



OPT Machine Vision Tech Co.,Ltd.

Stock Code: 688686.SH

2025

Environmental Social and Governance Report



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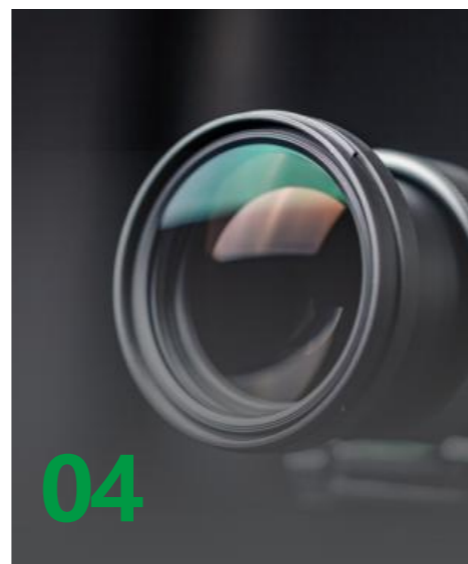
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About this report

Report Scope

This report is prepared with OPT Machine Vision Tech Co., Ltd. as the principal entity and includes its branches and subsidiaries. Unless otherwise specified, the scope of this report is consistent with the scope of the consolidated financial statements of the Company.

Terminology

OPT Machine Vision Tech Co., Ltd. — referred to as “OPT”, “the Enterprise”, “the Company”, or “We”

Abbreviation	Full Company Name
“OPT”, “the Enterprise”, “the Company”, or “We”	OPT Machine Vision Tech Co., Ltd.

Data Statement

All information and data cited in this report are sourced from OPT’s official documents, statistical reports and financial reports, as well as sustainability practice information from various functional departments and operating units that has been collected, aggregated and reviewed by the Company.

The Company undertakes that the information and data cited in this report are objective and truthful. Unless otherwise specified, all monetary amounts in the report are denominated in Renminbi (RMB).

Report Statement

This report is prepared based on the authentic circumstances of OPT in 2025 regarding strengthened environmental protection, optimized corporate governance, safeguarded employee rights and interests, and fulfilled social responsibilities. It comprehensively presents the Company’s ESG performance as well as its actions and commitments in sustainable development.

Access to the Report

You may download the Chinese and English versions of this report from OPT’s official website (www.optmv.com) and the Shanghai Stock Exchange website (www.sse.com.cn). In the event of any inconsistency between the Chinese and English versions, the Chinese version shall prevail.

Reporting Standards

This report has been prepared in accordance with :

- ◆ Guidelines No. 14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies — Sustainability Report (Trial)
- ◆ Guide No. 13 for Self-Regulatory Supervision on Listed Companies of the SSE STAR Market — Compilation of Sustainable Development Reports



01

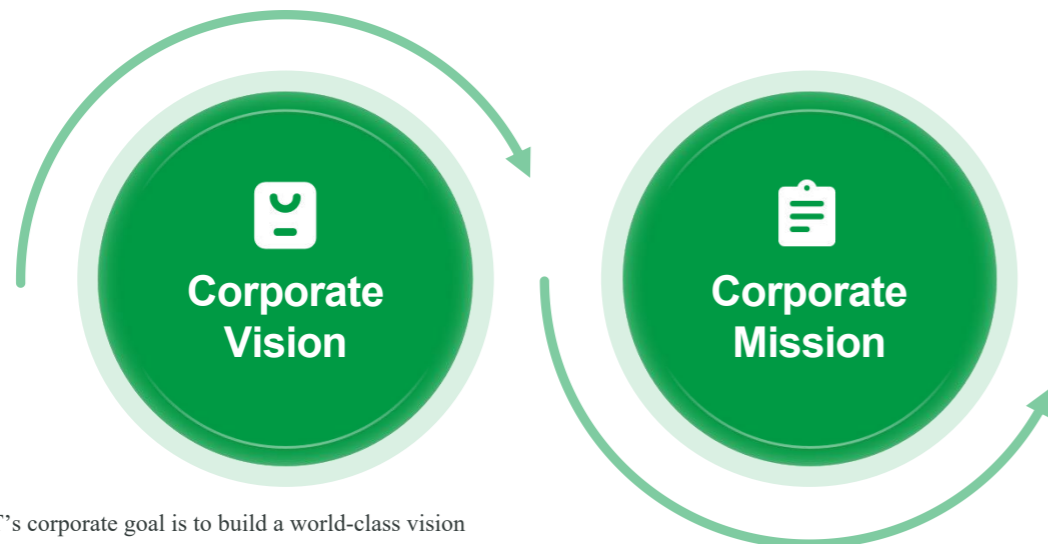
Company Overview

- Company Profile
- Corporate Culture
- Chairman's Message



Company Profile

OPT Machine Vision Tech Co., Ltd. (hereinafter referred to as “OPT” or “the Company”) was established in 2006 and is a national high-tech enterprise specializing in the research, development, production, and sales of core software and hardware products in the field of machine vision. With machine vision software and hardware products as its core, the Company has extended its reach into sensor and Motion Control Products lines based on machine vision technology. It has established a dual-track development strategy focused on industrial automation and intelligent robotics, and is committed to building a comprehensive product matrix of “Vision + Sensing + Motion + AI.” This enables deep integration and synergistic empowerment of technologies and products, allowing OPT to provide customers with one-stop solutions covering the entire process of “perception – decision-making – execution.” Leveraging its profound technical accumulation in machine vision, broad product line coverage, and global market service capabilities, OPT has become a leading enterprise in the industry. The Company is dedicated to delivering efficient and intelligent automation solutions to customers and continuously promoting the advancement of industrial intelligence.



OPT’s corporate goal is to build a world-class vision enterprise and, through technological innovation and product expansion, advance the development of industrial automation and become a core component supplier to the global automation industry.

OPT is committed to bringing vision products to the global stage, contributing to societal progress while fostering corporate prosperity and enhancing the well-being of all employees.

Corporate Overview

01

Markets and Clients

OPT’s products and solutions have been applied in over 20 countries and regions, with more than 30 branches and distributors worldwide, we serve more than 15,000 clients, including numerous Fortune Global 500 companies and globally renowned equipment manufacturers, focusing on industrial automation. The company has become a trusted partner for global customers and is in a leading position in the field of machine vision application technology.

02

Products and Technology

OPT possesses a comprehensive portfolio of core machine vision software and hardware products. Its proprietary product lines fully cover vision algorithm libraries, intelligent vision platforms, industrial AI, light sources, light source controllers, industrial lenses, industrial cameras, smart code readers, 3D sensors, and measurement systems. At the same time, leveraging its core optical technologies, OPT has increased its investment in research and development in the field of advanced industrial sensors and continues to introduce a diverse range of industrial sensor products. Supported by its capital strengths, the Company has also expanded into the motion control product segment through the acquisition of mature and synergistic enterprises, thereby broadening its product portfolio. In the field of intelligent robotics, the Company has established a presence in four major product directions, namely dToF cameras, iToF cameras, binocular structured light, and smart cameras.

03

Team & Talent

As of the end of 2025, the company has a total of 3,188 employees, including 979 R&D and technical personnel. OPT places great emphasis on technological innovation and talent development, and is committed to providing employees with a platform to realize their self-worth.



Company Mission

Develop automation technology, contribute to the development of the motherland and social progress, and achieve a win-win situation for both company development and employee growth.



Company Positioning

Core components supplier for automation



Core Values



OPT has always adhered to the core value of “People-Oriented”, and is committed to creating a vibrant, united, and collaborative corporate culture atmosphere.



Company Goal



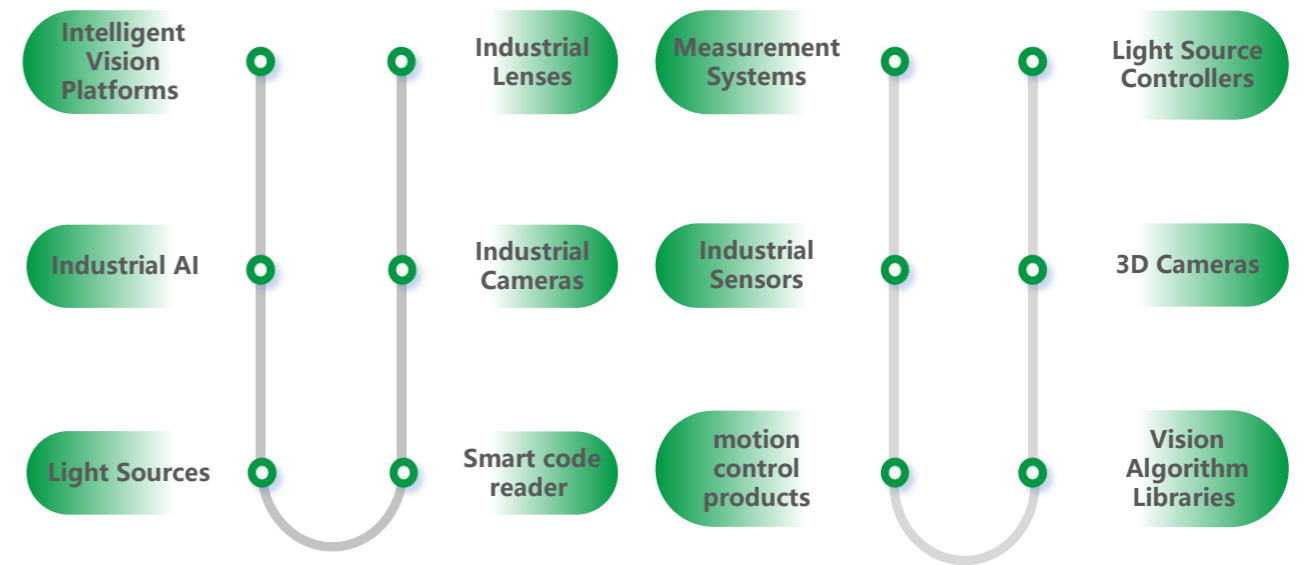
Build a world-class vision company and create a platform for employees to realize their self-worth.



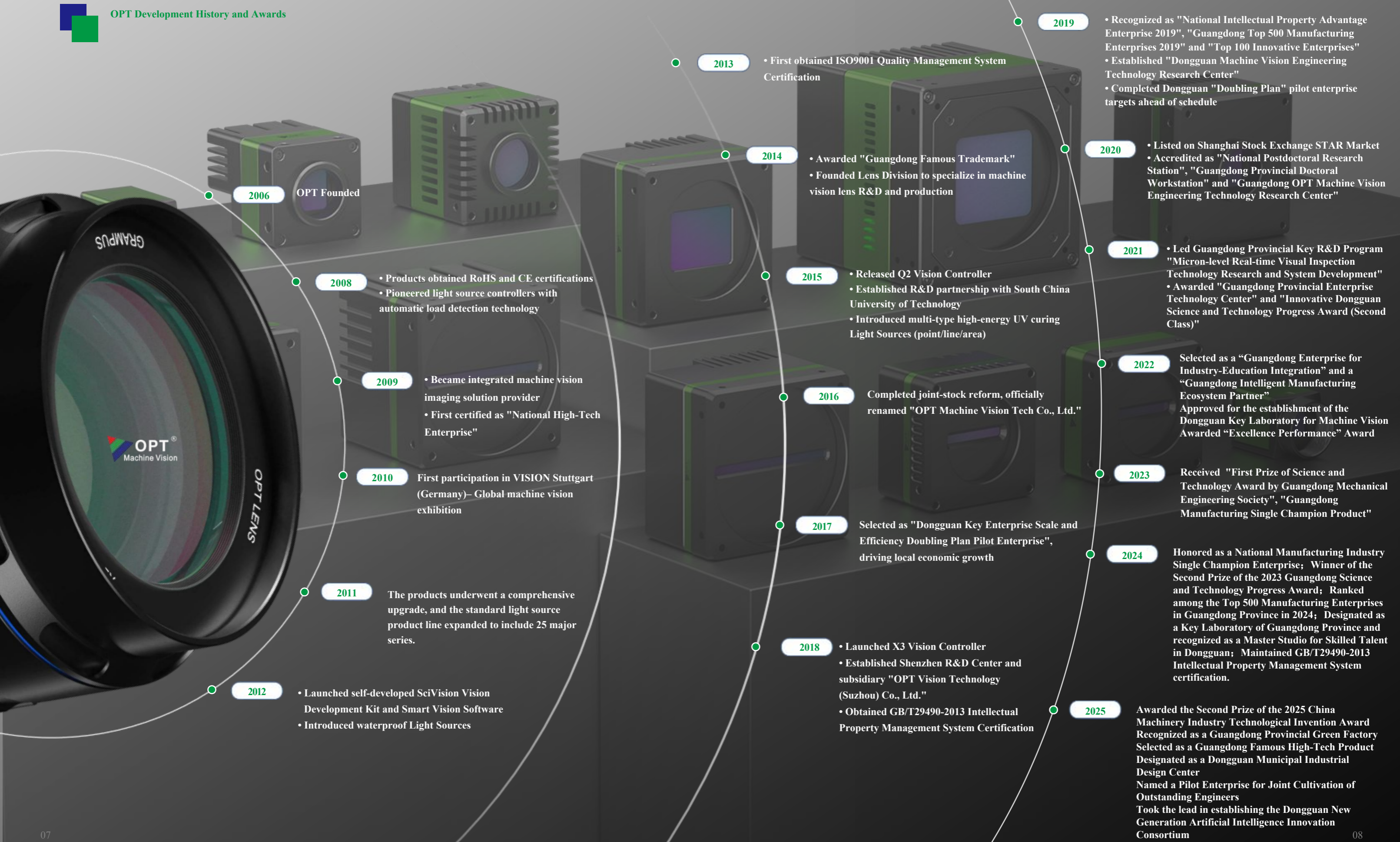
OPT People's Attitude Toward Our Cause



A group of people One lifetime One single mission



OPT Development History and Awards



2006 OPT Founded

2008

- Products obtained RoHS and CE certifications
- Pioneered light source controllers with automatic load detection technology

2009

- Became integrated machine vision imaging solution provider
- First certified as "National High-Tech Enterprise"

2010 First participation in VISION Stuttgart (Germany)– Global machine vision exhibition

2011 The products underwent a comprehensive upgrade, and the standard light source product line expanded to include 25 major series.

2012

- Launched self-developed SciVision Vision Development Kit and Smart Vision Software
- Introduced waterproof Light Sources

2013

- First obtained ISO9001 Quality Management System Certification

2014

- Awarded "Guangdong Famous Trademark"
- Founded Lens Division to specialize in machine vision lens R&D and production

2015

- Released Q2 Vision Controller
- Established R&D partnership with South China University of Technology
- Introduced multi-type high-energy UV curing Light Sources (point/line/area)

2016 Completed joint-stock reform, officially renamed "OPT Machine Vision Tech Co., Ltd."

2017 Selected as "Dongguan Key Enterprise Scale and Efficiency Doubling Plan Pilot Enterprise", driving local economic growth

2018

- Launched X3 Vision Controller
- Established Shenzhen R&D Center and subsidiary "OPT Vision Technology (Suzhou) Co., Ltd."
- Obtained GB/T29490-2013 Intellectual Property Management System Certification

2019

- Recognized as "National Intellectual Property Advantage Enterprise 2019", "Guangdong Top 500 Manufacturing Enterprises 2019" and "Top 100 Innovative Enterprises"
- Established "Dongguan Machine Vision Engineering Technology Research Center"
- Completed Dongguan "Doubling Plan" pilot enterprise targets ahead of schedule

2020

- Listed on Shanghai Stock Exchange STAR Market
- Accredited as "National Postdoctoral Research Station", "Guangdong Provincial Doctoral Workstation" and "Guangdong OPT Machine Vision Engineering Technology Research Center"

2021

- Led Guangdong Provincial Key R&D Program "Micron-level Real-time Visual Inspection Technology Research and System Development"
- Awarded "Guangdong Provincial Enterprise Technology Center" and "Innovative Dongguan Science and Technology Progress Award (Second Class)"

2022

- Selected as a "Guangdong Enterprise for Industry-Education Integration" and a "Guangdong Intelligent Manufacturing Ecosystem Partner"
- Approved for the establishment of the Dongguan Key Laboratory for Machine Vision
- Awarded "Excellence Performance" Award

2023 Received "First Prize of Science and Technology Award by Guangdong Mechanical Engineering Society", "Guangdong Manufacturing Single Champion Product"

2024 Honored as a National Manufacturing Industry Single Champion Enterprise; Winner of the Second Prize of the 2023 Guangdong Science and Technology Progress Award; Ranked among the Top 500 Manufacturing Enterprises in Guangdong Province in 2024; Designated as a Key Laboratory of Guangdong Province and recognized as a Master Studio for Skilled Talent in Dongguan; Maintained GB/T29490-2013 Intellectual Property Management System certification.

2025

- Awarded the Second Prize of the 2025 China Machinery Industry Technological Invention Award
- Recognized as a Guangdong Provincial Green Factory
- Selected as a Guangdong Famous High-Tech Product
- Designated as a Dongguan Municipal Industrial Design Center
- Named a Pilot Enterprise for Joint Cultivation of Outstanding Engineers
- Took the lead in establishing the Dongguan New Generation Artificial Intelligence Innovation Consortium

Technology Awards Received

Project Name	Award	Awarding Authority
Machine Vision Light Sources	National Manufacturing Single Champion Enterprise	Ministry of Industry and Information Technology
Key Technologies and Applications for Variant Design and Integrated Optimization of Lithium Battery Production Lines	Second Prize for Technological Invention in the Machinery Industry	China Machinery Industry Federation & China Mechanical Engineering Society
Machine Vision Light Sources	Guangdong Provincial Manufacturing Single Champion Product	Department of Industry and Information Technology of Guangdong
High-Compatibility Key Technologies and Applications for Industrial Visual Inspection	Guangdong Provincial Science and Technology Progress Award (Second Class)	People's Government of Guangdong Province
High-Compatibility Key Technologies and Applications for Industrial Visual Inspection	First Prize of Guangdong Machinery Industry Science and Technology Award	Guangdong Mechanical Engineering Society
High-Compatibility Key Technologies and Applications for Industrial Visual Inspection	First Prize of Science and Technology Award by Guangdong Mechanical Engineering Society	Guangdong Mechanical Engineering Society
Constant-Current Controller	2016 Dongguan Outstanding Patent Award	Dongguan Municipal People's Government
Key Technologies and Applications for Online 3D Measurement of Moving Objects Based on Structured Light	Second Prize of Scientific and Technological Achievements by Henan Education Department	Department of Education of Henan Province
Core Hardware and Software Technologies for Intelligent Visual Inspection	2021 Innovative Dongguan Science and Technology Progress Award (Second Class)	Dongguan High-Tech Industry Association
Sensors	Third Prize in Innovative Applications Category	China Instrument and Control Society
OPT HD 5MP Fixed-Focus Lens Series	Innovative Product Award	14th China Automation Annual Selection
OPT SCIVision Development Kit	Intelligent Control Award	15th China Automation and Intelligence Annual Selection
OPT SCI-M3 Smart Camera	Intelligent Inspection Award	17th China Automation and Intelligence Annual Selection

National, Provincial, and Municipal research and development platforms owned

Platform Name	Platform Level	Administrative Authority
National Postdoctoral Research Station	National Postdoctoral Research Station	National Postdoctoral Management Committee
Guangdong OPT Machine Vision Engineering Technology Research Center	Provincial-level Engineering Technology Research Center	Department of Science and Technology of Guangdong
Guangdong Provincial Key Laboratory	Provincial-level Key Laboratory	Department of Science and Technology of Guangdong
Guangdong Provincial Doctoral Workstation	Provincial-level Doctoral Workstation	Department of Human Resources and Social Security of Guangdong
Dongguan Machine Vision Key Laboratory	Municipal-level Key Laboratory	Dongguan Science and Technology Bureau
Dongguan Machine Vision Engineering Technology Research Center	Municipal-level Engineering Technology Research Center	Dongguan Science and Technology Bureau



Other Qualifications and Honors

 Guangdong Enterprise Brand Development Promotion Association award Top 500 Guangdong Brands with Global Competitiveness	 Jinan University Industry Economics Research Institute, Guangdong Manufacturing Association, Guangdong Development and Reform Research Institute award Top 500 Manufacturing Enterprises in Guangdong Province
 Zhongshang Industrial Research Institute award China's Top 10 Most Promising Enterprises in Visual Sensor Industry	 Zhongshang Industrial Research Institute award China's Top 10 Most Promising Industrial Camera Enterprises
 Zhongshang Industrial Research Institute award China Computer Vision Enterprise Core Competitiveness Ranking	 Zhongshang Industrial Research Institute award Global Machine Vision Industry Most Promising Enterprises Ranking
 New Fortune award New Fortune Growth Value Ranking of Listed Robotics Companies	 Zhongshang Industrial Research Institute award Ranking of China's Most Promising Machine Vision Enterprises
 Shenzhen Federation of Industrial Associations, Guangdong Bay Area New Economy Research Institute, Shenzhen Association for Science and Technology, Shenzhen Lihe Sci-Tech Innovation Co., Ltd., Shenzhen Commercial Daily, Shenzhen Innovation Development Research Institute, Guangdong Innovation Competitiveness Economic Research Institute award Greater Bay Area Enterprise Innovation Capability Ranking - Innovation Achievement List	



广东奥普特科技股份有限公司

OPT Machine Vision Tech Co.,Ltd.



2025 ESG Honors

July

- Shanghai Huazheng Index Information Service Co., Ltd.
- ◆ “TOP 50 2025 A-Share Listed Companies Corporate Governance (G) Dimension Best Practices TOP50”
 - ◆ “TOP 20 2025 A-Share Listed Companies Industrial Sector ESG Performance TOP20”
 - ◆ “TOP 100 2025 Top 100 A-Share Listed Companies for ESG Excellence ”

September

- China Fund News
- ◆ “2025 China Listed Companies Yinghua Awards Outstanding Board Secretary”
 - ◆ “2025 China Listed Companies Yinghua Awards Outstanding CFO”
 - ◆ “2025 China Listed Companies Yinghua Awards A-Share Value Demonstration Case”

November

- China Quality Certification Center
- ◆ “CQC Sustainability Pioneer Award ”

December

- China Listed Companies Association
- ◆ “2025 Listed Companies Board Office Best Practices”
- Shenzhen Value Online Information Technology Co., Ltd.
- ◆ “2025 AI Frontier Innovation Award ”
 - ◆ “2025 Best Practice Award for Digital Innovation in Board Offices ”
 - ◆ “2025 Outstanding Investor Relations Development Award for Listed Companies”
 - ◆ “2025 Listed Company ESG Value Transmission Award”
- Cailian Press
- ◆ “2025 Cailian Press Best Investor Relations Team Award”
- People's Daily Overseas Edition, China Environmental Protection Federation, China Quality Certification Center
- ◆ “2025 China Corporate Sustainable Supply Chain Excellence Case”
 - ◆ “Certificate of China Corporate ESG 100 Index”
- Acquisition by the company
- ◆ “2025 Top 100 ESG Enterprises Among China's Non-Financial Listed Companies”
- Shanghai Huazheng Index Information Service Co., Ltd.
- ◆ “2025 Huazheng A-Share and Hong Kong-Listed Companies Mechanical Manufacturing Industry ESG Performance Excellence List”
- Dongguan Listed Companies Association
- ◆ “Best Dongguan Listed Company”





Chairman's Message

Dear Shareholders, Partners, Friends from All Walks of Life, and All Employees:

Greetings!

In an era where the strategy of building a manufacturing powerhouse is advancing deeply, and the manufacturing sector is accelerating its transformation toward high-end, intelligent, and green development, machine vision—as a core enabler of intelligent manufacturing—is playing an increasingly vital role. Since its inception, OPT has remained deeply focused on the machine vision field. Through years of technological accumulation and continuous innovation breakthroughs, we have grown into a leading enterprise in the industry, steadfastly upholding our original mission: to build a world-class vision enterprise and create a platform for employees to realize their self-worth.

In the Governance (G) dimension

We have established a scientific and comprehensive three-tier ESG governance structure—“Decision-Making, Planning, and Execution.” The Board’s ESG Committee provides overall leadership, with clearly defined responsibilities and efficient collaboration across all levels, ensuring stable and compliant operations. We strictly adhere to laws, regulations, and industry standards, continuously improving our internal control and compliance systems while strengthening business ethics education for all employees. We have fortified defenses against fraud and commercial bribery, earning widespread recognition from the market and stakeholders through transparent information disclosure and standardized governance practices. At the same time, we have deepened investor relations management by establishing diverse communication channels, engaging in open and candid dialogues with investors to build consensus for development.

In the Environmental (E) dimension

We have integrated green development principles throughout our entire operations. With “green transformation driving innovative change” as our core focus, we have comprehensively advanced our green strategy upgrade and successfully achieved national-level Green Factory certification. In product R&D, we incorporate low-carbon concepts, optimizing technologies to reduce product energy consumption and environmental impact. In production and operations, we continuously refine processes, promote resource recycling, and increase the use of renewable energy to minimize pollutant emissions at the source. We also collaborate with upstream and downstream supply chain partners to jointly build a green industrial ecosystem, taking concrete actions to support China’s “dual carbon” goals and contribute to the green transformation of manufacturing.



In the Social (S) responsibility dimension

We uphold the core value of “people-oriented” development, integrating employee growth and social value into the lifeblood of the enterprise. We prioritize talent cultivation and recruitment, building robust career development platforms and training systems while safeguarding employees’ legitimate rights, occupational health, and safety. Through diverse care initiatives, we enhance employees’ sense of belonging and well-being. We deepen industry-academia-research collaboration, partnering with multiple universities to establish training bases and joint cultivation programs, delivering professional talent to the industry and advancing the integration of education and industry. Meanwhile, we actively engage in public welfare, contributing to rural revitalization and fulfilling our responsibilities as a corporate citizen to support broader social development.

Innovation remains the core engine of OPT’s growth. We continue to focus on cutting-edge industry technologies, guided by customer needs, while steadily increasing R&D investment and refining our innovation mechanisms and systems. We have achieved key breakthroughs in industrial AI, 3D vision, and intelligent robotics. The Company is advancing a “machine vision + intelligent robotics” dual-wheel drive strategy, deeply integrating high-precision perception with AI decision-making to empower flexible manufacturing and complex automation scenarios. We have built a complete lineup of core machine vision hardware and software products, delivering full-chain customized solutions that serve numerous renowned global enterprises and assist customers in upgrading to intelligent manufacturing. This has earned us strong reputation across industries such as consumer electronics, lithium batteries, semiconductors, and automotive. Looking ahead, OPT will continue to adhere to the principles of high quality, high performance, and high reliability. Guided by technological innovation and ESG principles, we will deepen our focus on core machine vision domains, expand into new tracks such as intelligent robotics, and tackle key industry technological challenges. We will further strengthen green manufacturing practices, enhance supply chain collaboration, and cultivate more industry talent, making sustained contributions to the high-end, intelligent, and green development of manufacturing.

The journey is long, yet the wind is favorable; bearing heavy responsibilities, we set forth once more. We extend our sincere gratitude to our shareholders for their steadfast trust, to our partners for their collaboration, to all employees for their dedicated efforts, and to society at large for its strong support. In the future, OPT will stay true to its original aspiration, forge ahead with perseverance, lead the machine vision industry to new heights, and join hands with all stakeholders to create long term value together with all stakeholders!

02

Sustainable Development Strategy and Management

OPT remains steadfast in promoting the concept of sustainability on a global scale, upholding its ambitious vision of “Be a global first-class machine vision enterprise and create a platform for our staff to succeed with self-value.” While continuously advancing technological capabilities and leveraging innovation to drive industrial progress, the company persistently refines and enhances its sustainability governance system, striving to achieve a balanced integration of economic, social, and environmental development. During the Reporting Period, the Company’s sustainable development performance received further recognition from the capital market, and it was included as a constituent of the SSE STAR Market ESG Index (000691).

- Governance
- Strategy
- Impact, Risk, and Opportunity Management
- Issues Assessment
- Stakeholder Engagement

Governance

Sustainable Development Governance Framework

The company actively strengthens communication channels with stakeholders, fully integrating ESG principles throughout its entire value chain. This comprehensive approach enhances sustainable development capabilities and business resilience against risks, driving the steady creation and continuous growth of long-term corporate value.

To enhance ESG governance effectiveness, OPT has established a comprehensive ESG governance system. The company has set up a Board ESG Committee, supported by an ESG Working Group, forming a three-tier ESG governance structure comprising the Board, ESG Committee, and ESG Working Group, responsible for “decision-making, planning, and execution.” The Board ESG Committee strictly adheres to the company’s “Board ESG Committee Operating Procedures,” clearly defining it as a specialized body under the Board. Comprising three directors with a Chairperson, its term aligns with the Board’s. An ESG Working Group handles daily operations. Committee members are nominated and elected, eligible for re-election, with vacancies promptly filled. Its core responsibilities include researching and proposing recommendations for the company’s ESG initiatives, overseeing the implementation of ESG vision and strategies, guiding and supervising the Task Force in conducting ESG risk management, stakeholder engagement, and material issue identification and assessment. It reviews ESG-related reports for submission to the Board for deliberation. The exercise of its authority must comply with relevant regulations, and relevant company departments are required to cooperate. The committee operates under formal rules of procedure, holding regular and ad hoc meetings. Clear requirements govern meeting convening, notification, attendance, and voting. Resolutions require approval by a majority of all committee members. Meeting minutes are retained by the Board Office for no less than ten years. Committee members and attendees bear confidentiality obligations, and interested parties must recuse themselves. This ensures the committee conducts ESG-related work independently, standardly, and efficiently, reporting to and accountable to the Board of Directors.

In due diligence, the ESG Working Group collects internal and external information to thoroughly analyze potential sustainability risks. Information gathering covers internal operational management, employee conditions, external industry trends, and policies/regulations. The Working Group identifies and assesses the nature, severity, and likelihood of risks based on established evaluation criteria and methodologies. Significant risks identified by the ESG Working Group are promptly submitted to the Board’s ESG Committee for review. The Committee determines material issues and their relative importance based on the company’s strategy, business characteristics, and stakeholder expectations. This approach enables effective mitigation of negative impacts and risks related to sustainability, achieving balanced development across the company’s economic, social, and environmental objectives.

Primary Responsibilities of the ESG Committee and Working Group



Strategy

OPT integrates sustainability into its corporate strategy, starting with the company’s vision and focusing on three foundational aspects: internal control, compliance, and talent development, to strengthen its core competitiveness. Based on this foundation, and in alignment with the 17 United Nations Sustainable Development Goals (SDGs) and industry development trends, OPT conducted in-depth analysis in 2025, incorporating the International Sustainability Standards Board (ISSB) IFRS S1 & S2, while also benchmarking the Guidelines No. 4 for Self-Regulatory Supervision of Listed Companies on the Shanghai Stock Exchange – Preparation of Sustainability Reports. Following a dual-materiality analysis, OPT has further expanded the scope and focus of its sustainability strategy, contributing to global sustainable development.

Impact, Risk, and Opportunity Management

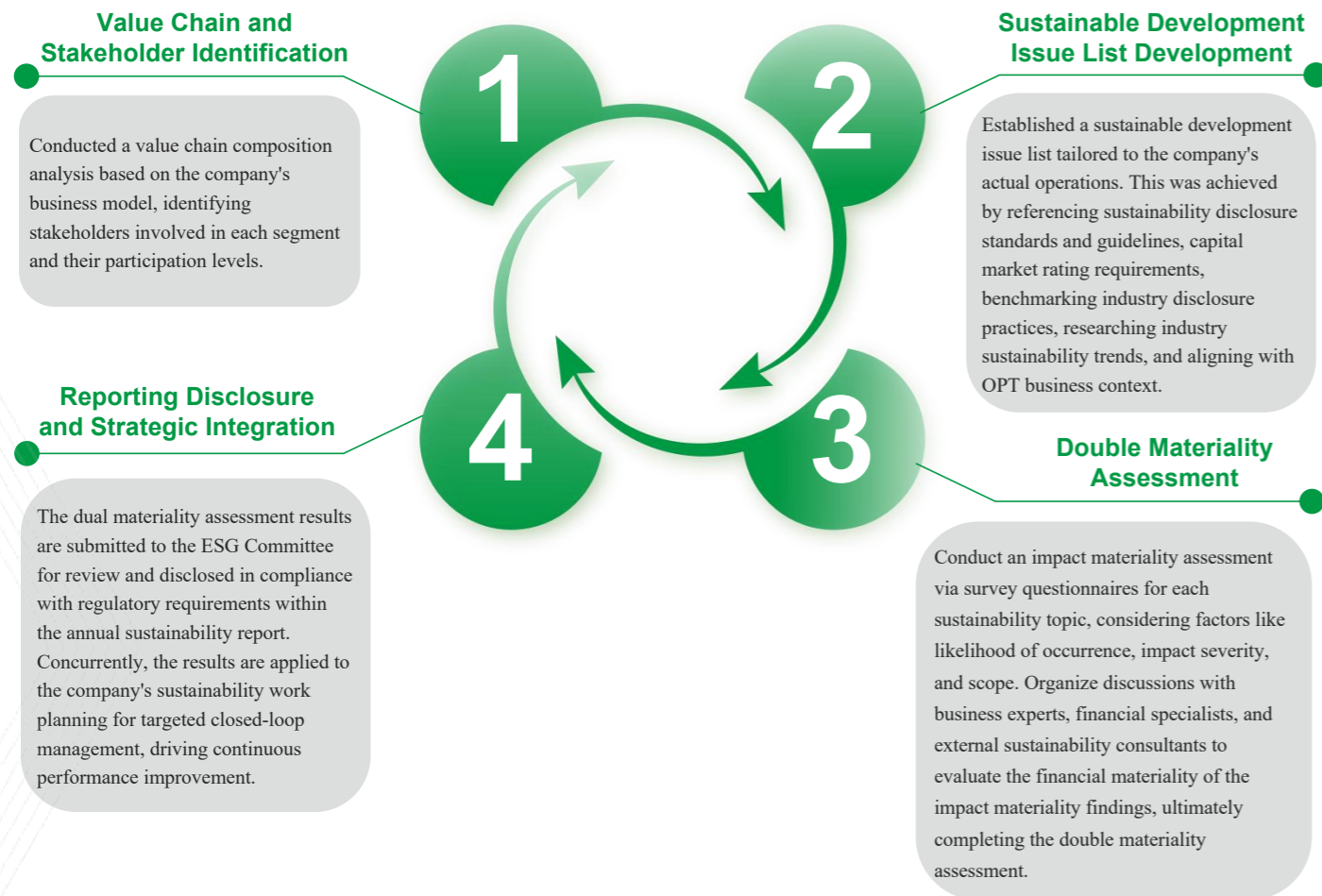
OPT has established a comprehensive, multi-tiered risk management system to ensure the company’s sustainable development. At the corporate governance level, the Board of Directors is responsible for comprehensively reviewing the company’s internal control and risk management systems, ensuring their alignment with ESG strategic objectives and effective operation. The Board authorizes the Audit Committee to evaluate ESG-related internal controls and risk management systems across the company and its subsidiaries, providing support for Board decision-making. The company’s “three lines of defense” in risk management play a critical role in ESG practices.

The first line of defense comprises business units that integrate ESG into daily operations—such as considering environmental impacts during product development and safeguarding the company’s social reputation during market expansion. The second line encompasses internal control teams at the corporate level, second-tier unit internal control teams, and business functional departments. These entities formulate ESG risk management rules, organize training to enhance employee ESG awareness, and oversee execution by business units. The third line of defense is the internal audit department, which conducts comprehensive

risk category	Specific Risks	Corresponding Opportunities
Policy & Regulations	Tighter environmental standards increase compliance costs	Capture green product markets and secure policy subsidies
Technology & Innovation	Rapid technological iteration, accelerated AI development	Breakthroughs in independent R&D, import substitution, technological leadership
Market & Competition	“Dual Carbon” policies and rising energy costs indirectly heighten competitive pressure and compliance thresholds	Leverage “dual carbon” strategy to deepen government-enterprise collaboration; empower clients with AI+vision+robotics for energy savings, carbon reduction, and green upgrades to gain policy support and competitive edge
Supply Chain	Raw material price volatility impacts profitability	Develop eco-friendly materials to reduce resource dependency
Social Responsibility	Employee skill gaps with intelligent transformation	Establish “OPT Academy” to strengthen industry talent barriers

Issues Assessment

In 2025, the company organized a financial materiality evaluation analysis meeting involving over 30 internal experts from key sustainability departments alongside external specialists. Following three rounds of comprehensive review by industry experts, the 2025 dual materiality issue analysis and assessment was completed. OPT established a four-step dual materiality assessment methodology, achieving a closed-loop process from dynamic issue identification to strategic integration management.



◆ The company identified **21** ESG issues

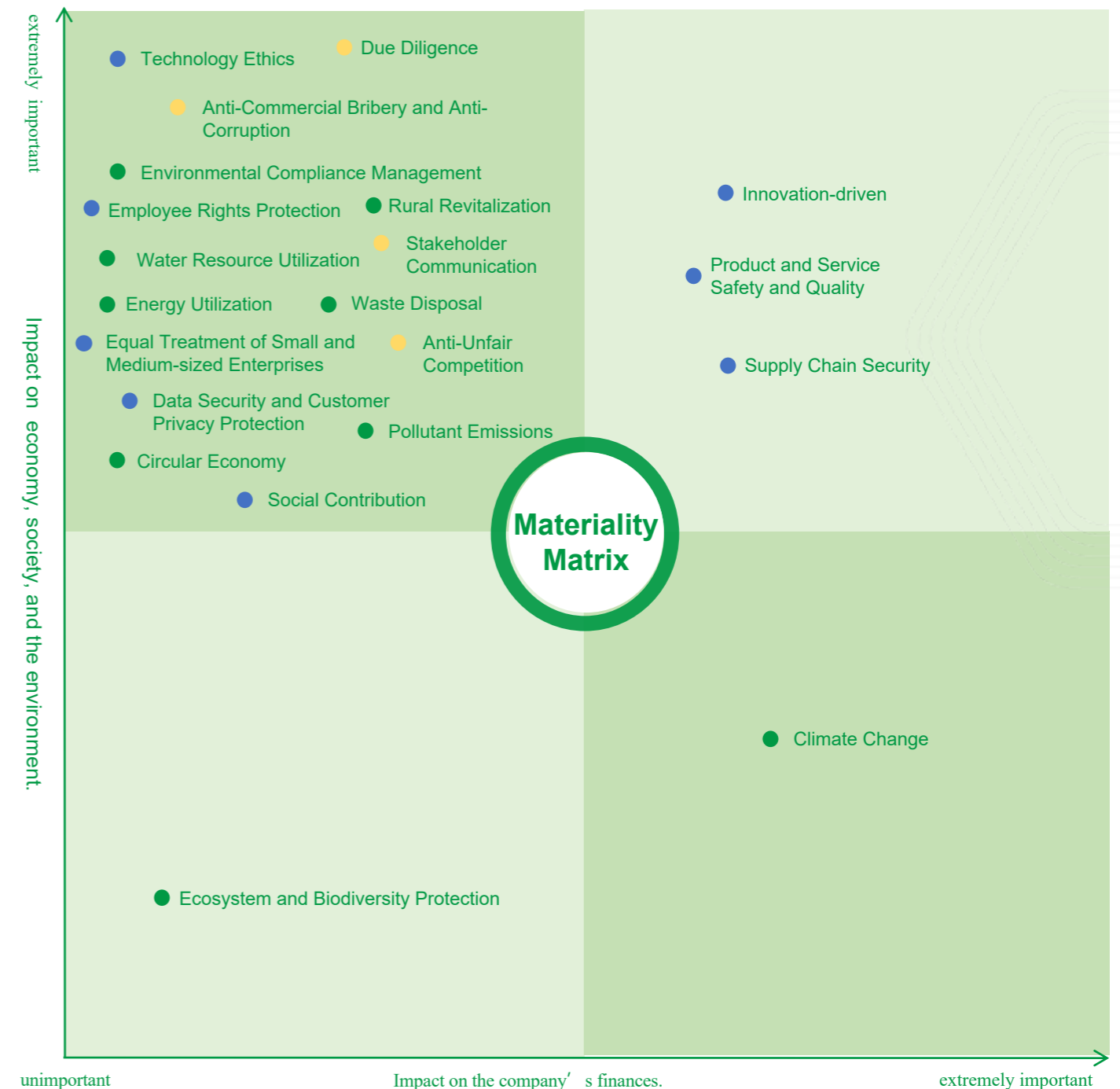
◆ **4** were solely financially material,

◆ **14** were solely impact-material

◆ **3** were dual-material

◆ Based on this issue list, the company comprehensively arranged the materiality issue matrix, with ESG issues within the same quadrant listed in no particular order.




Results of the 2025 assessment of company-level priority topics.



Stakeholder Engagement

OPT actively engages in dialogue and collaboration with stakeholders, maintaining diverse communication channels and methods to listen to their voices. This provides valuable insights for identifying sustainability opportunities, strengthening sustainability capabilities, and improving the quality of information disclosure. OPT has established smooth and diverse communication mechanisms with its stakeholders. Depending on the relevance of stakeholders to specific business areas, corresponding departments take the lead in communication efforts. After fully understanding the concerns and expectations of all parties, the company integrates stakeholder concerns, demands, opinions, and suggestions into its operational management, sustainability strategy, risk and opportunity identification and response, and the setting and management of goals and indicators, striving to achieve harmonious coexistence and mutual growth between the company and its stakeholders.

Key Stakeholders	Expectations and Demands	Communication Channels
 Shareholders and Investors	<ul style="list-style-type: none"> ◆ Generate investment returns ◆ Safeguard shareholder rights ◆ Disclose materiality information ◆ Ensure operational stability 	<ul style="list-style-type: none"> ◆ Regular disclosures ◆ Shareholders' meetings ◆ Investor roadshows ◆ Hotline and email
 Suppliers	<ul style="list-style-type: none"> ◆ Build a responsible supply chain ◆ Adhere to business ethics ◆ Honest performance of contracts 	<ul style="list-style-type: none"> ◆ Supplier audits ◆ Surveys ◆ Daily management
 Customers	<ul style="list-style-type: none"> ◆ Product research and development innovation ◆ Product quality and safety management ◆ Occupational health and safety ◆ Adhere to business ethics 	<ul style="list-style-type: none"> ◆ Needs surveys ◆ Complaints hotline ◆ On-site visits ◆ Account managers
 Employees	<ul style="list-style-type: none"> ◆ Ensure basic rights and benefits ◆ Skills training ◆ Clear promotion channels ◆ Competitive compensation ◆ Safe working environment 	<ul style="list-style-type: none"> ◆ Satisfaction surveys ◆ Leadership forums ◆ Manager mailbox ◆ Labor union

Key Stakeholders	Expectations and Demands	Communication Channels
 Government and Regulatory agencies	<ul style="list-style-type: none"> ◆ Create employment opportunities ◆ Environmental compliance ◆ Pay taxes in accordance with the law ◆ Energy saving and consumption reduction 	<ul style="list-style-type: none"> ◆ Regulatory reporting ◆ Disclosures ◆ Briefings ◆ Policy meetings
 Communities	<ul style="list-style-type: none"> ◆ Do not impact the ecological and living environment ◆ Provide employment opportunities ◆ Conduct public welfare activities 	<ul style="list-style-type: none"> ◆ Public disclosures ◆ Community hotline ◆ Recruitment platforms
 Public and Media	<ul style="list-style-type: none"> ◆ Protect the environment ◆ Compliance operations ◆ Information transparency 	<ul style="list-style-type: none"> ◆ Media interviews ◆ Industry events ◆ Report disclosures

03

Sound Management - Strengthening Corporate Governance

A sound corporate governance framework serves as the cornerstone and a vital safeguard for OPT's sustainable development. We operate with integrity and full compliance, strictly adhering to national laws and regulations, requirements of regulatory authorities, and corporate governance policies. We emphasize robust risk management and internal controls, continuously strengthen our compliance system, and actively engage with investors to support the company's long-term, steady development. We firmly believe that best governance practices help clarify responsibilities, protect shareholder interests, enhance corporate value, and enable the company to share the fruits of development with all stakeholders.

- Robust Corporate Governance
- Building a Compliance Ecosystem
- Upholding Business Ethics
- Strengthening Risk Management

Strengthened the corporate governance system, enhanced investor communication and information disclosure, and safeguarded shareholder interests.



Improved internal control systems and business ethics guidelines, fostered a strong culture of compliance across the organization, and effectively mitigated operational risks.

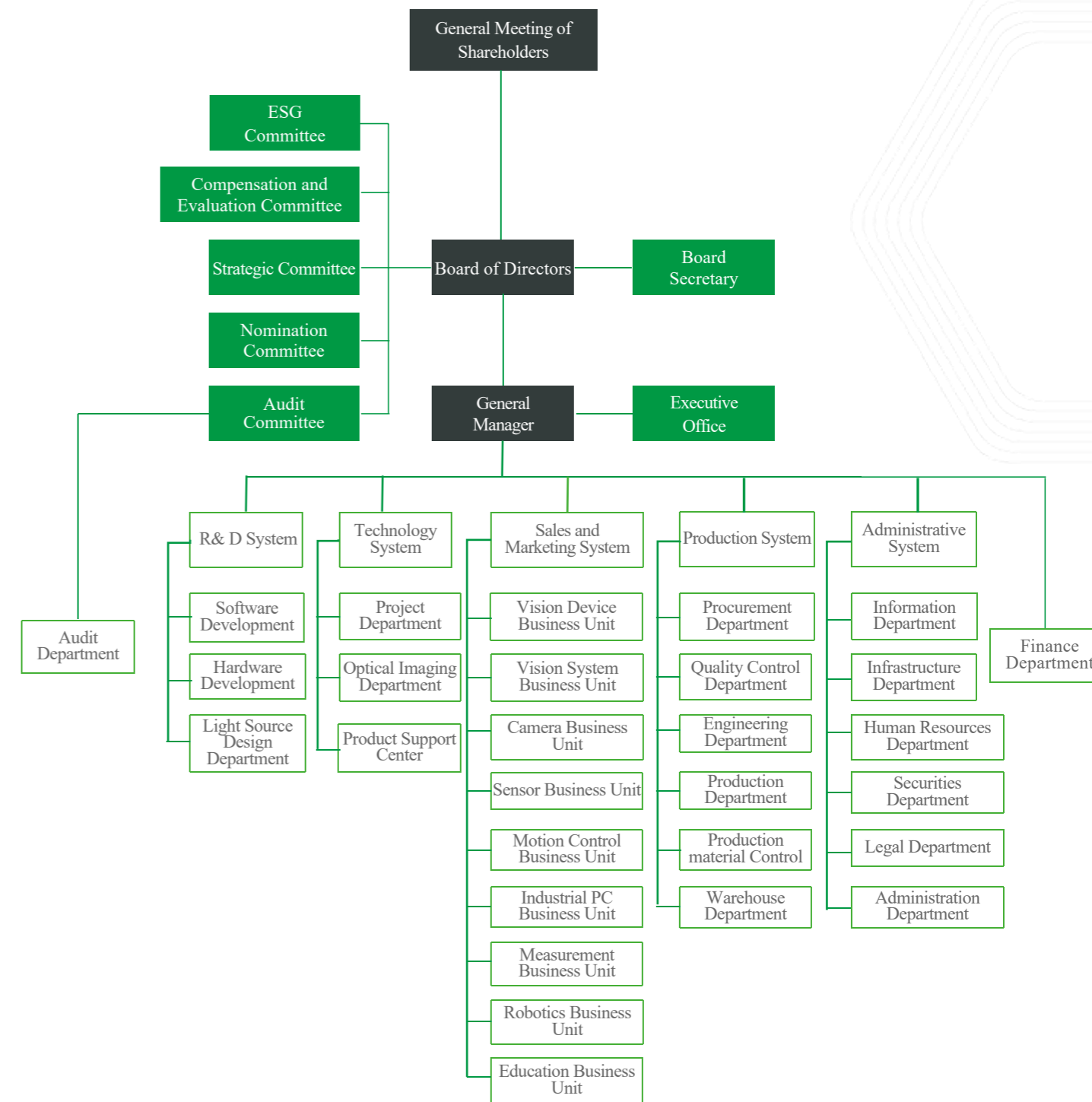
Our Achievements

Board of Directors Meeting in 2025 11 Times	Supervisory Board Meeting in 2025 (Cancelled at the time of this report's release) 5 Times	Shareholders' Meeting in 2025 3 Times	
Board Strategy Committee Meeting 2 Times	Board Nomination Committee Meeting 2 Times	Board Compensation and Evaluation Committee Meeting 5 Times	
Board Audit Committee Meeting 5 Times	Board ESG Committee Meeting 3 Times	Organized investor research activities 185 Times	Investor hotline response rate 100%
Hosted on-site visits and research by institutional investors 67 batches	Conducted exchanges and communications with investors on multiple occasions 1300+ person-times	Issued regular periodic announcements to the public 4 items	Issued temporary announcements as required 113 items

Strengthening Corporate Governance

The Company strictly complies with the relevant provisions of the Company Law of the People's Republic of China, the Securities Law of the People's Republic of China, the Code of Corporate Governance for Listed Companies, the Rules Governing the Listing of Stocks on the Science and Technology Innovation Board of the Shanghai Stock Exchange, and other applicable laws and regulations. The General Meeting of Shareholders serves as the highest authority, with the Board of Directors acting as the executive body. Under the Board of Directors, five specialized committees—the ESG Committee, the Remuneration and Assessment Committee, the Strategy Committee, the Nomination Committee, and the Audit Committee—have been established to assist the Board in fulfilling its responsibilities and to report their activities and resolutions to the Board on a regular basis. A Board Secretary is appointed to manage day-to-day affairs, while the Board of Directors appoints a General Manager who assumes overall responsibility for the Company's operational management. The General Manager directly oversees the five core systems: the R&D System, which includes the Software R&D Department and the Hardware R&D Department; the Technology System, which comprises the Project Department, the Optical Imaging Department, and the Product Support Center; the Marketing System, which encompasses the Vision Device Business Unit, the Vision System Business Unit, the Camera Business Unit, the Sensor Business Unit, the Motion Control Business Unit, the Industrial PC Business Unit, the Measurement Business Unit, the Robotics Business Unit, and the Education Business Unit; the Production System, which consists of the Procurement Department, the Quality Department, the Engineering Department, the Production Department, PMC, the Warehouse Department, and the Light Source Design Department; and the Integrated System, which incorporates the Information Department, the Infrastructure Department, the Human Resources Department, the Securities Department, the Legal Department, the Administration Department, and the Finance Department. In addition, the Audit Department reports directly to the Audit Committee, thereby jointly ensuring standardized, efficient corporate governance and operations.

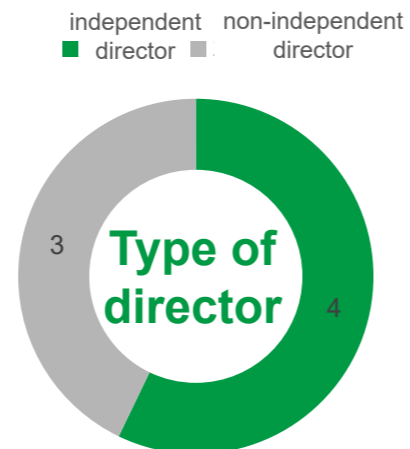
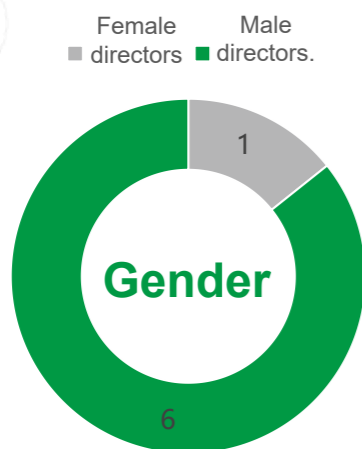
Company Organizational Structure



Board Diversity

OPT's Board of Directors is committed to diversity and comprehensively considers various factors such as members' age, educational background, ethnicity, and professional expertise to ensure that the Board can provide professional decision-making from multiple perspectives and enhance the Company's sustainable development capabilities. In 2025, the Board consists of a total of 7 members with diverse backgrounds, including expertise in accounting, law, and specialized professional fields, among whom there is 1 female director and 4 independent directors, with independent directors accounting for 57.14% of the total number of directors.

Name	Position	Board	Audit Committee	Nomination Committee	Compensation and Evaluation Committee	Strategic Committee	ESG Committee
Shenglin Lu	Chairman	√				√	√
Zhilin Lu	Director	√			√	√	
Xueliang Xu	Director	√					√
Yanqin Zhang	Independent Director	√		√	√		√
Dingyuan Deng	Independent Director	√	√	√		√	
Guilinn Chen	Independent Director	√	√		√		
Chunxiao Xie	Independent Director	√	√	√			



Investor Communication Channels

To strengthen information communication between the Company and investors as well as potential investors, enhance investors' understanding and recognition of the Company, and improve the Company's credibility, the Company adheres to the principles of "compliance, equality, proactivity, and honesty and good faith." In accordance with relevant laws, regulations, and normative documents, the Company has formulated investor relations-related systems including the Investor Relations Management System, the Management System for Investor Research and Media Interview Reception, and the Public Opinion Management System. To improve the Company's ability to respond to various types of public opinion, establish a rapid response and emergency handling mechanism, promptly and properly address the impact of public opinion on the Company's stock price, business reputation, and production and operational activities, and effectively safeguard the legitimate rights and interests of investors, in 2025 the Company revised the Information Disclosure Management System, the Accountability System for Material Errors in Annual Report Information Disclosure, the Registration and Management System for Insiders of Material Information, the Internal Reporting System for Material Information, and the Management System for Suspension and Exemption of Information Disclosure, further promoting standardized operations of the Company. In 2025, to further regulate market value management practices and actively enhance the Company's value and the level of investor returns, the Company newly formulated the Market Value Management System. In August 2025, the Company conducted a comprehensive revision of the aforementioned systems.



Best Investor Relations Team Award at the 6th Luanlu & Cailianshe Elite Board Secretary Awards 2025



2025 Excellence in Investor Relations Development Award for Listed Companies



Investor Relations Management Initiatives

To enhance investors' understanding of the Company's operations, management, financial condition, and development strategy, promote face-to-face communication, strengthen mutual trust, foster positive interactions and shared development, and cultivate investors' rational and value-oriented investment philosophy, the Company continues to organize the investor open-day event, inviting investors for on-site visits and discussion sessions. In addition, the Company participated in the 2025 Guangdong Region Listed Companies Investor Relations Management Month event, and after actively attending specialized investor protection training, it held an online Investor Reception Day to promptly address investors' concerns. To fully protect investors' rights and interests and actively reward investors, the Company has implemented a series of actions:

1 **In 2025** the Company held a total of 3 performance briefings, achieving 100% coverage for performance briefings following the release of periodic reports.

2 **In 2025** the company had engaged with over 1,300 individuals and conducted 185 research activities. This included hosting 67 on-site investor visits and 59 online meetings, while participating in 59 brokerage strategy sessions. The company maintained a 100% call answer rate for investor inquiries and a 100% response rate on the Shanghai Stock Exchange e-Interaction platform.

3 **In 2025** In 2025, the Company organized a total of 3 "Visit Listed Company – OPT" investor activities, effectively increasing the frequency of communication with shareholders, particularly retail and small-to-medium shareholders.



Visit Listed Companies – Northeast Securities



Visit Listed Companies – Huatai Securities



Visit Listed Companies – Lianhe Securities

4 **In June 2025** the Company held its 2025 Product Launch Event, announcing its dual-track strategic layout transitioning from industrial automation to intelligent robotics. The event was attended by more than 50 investors at the on-site venue in Suzhou. Mr. Xu Xueliang, Vice General Manager and Board Secretary, led the visitors on a tour and exchange session, providing detailed introductions to the Company's strategy, products, and other aspects, which received widespread recognition from the investors;

5 **In June 2025** the Company participated in the "Sci-Tech Innovation 3 Minutes · Executive Open Mic" event hosted by the Shanghai Stock Exchange, themed "The Advancement Path of OPT's Machine Vision." Mr. Lu Zhilin, the controlling shareholder, actual controller, director, and General Manager, introduced the Company's R&D efforts, industry positioning, and other key aspects, showcasing the Company's strengths to a broad audience of investors;



Sci-Tech Innovation 3 Minutes · Executive Open Mic Event: The Advancement Path of OPT's Machine Vision

6 **In September 2025** the Company participated in the Guangdong Region Investor Collective Reception Day and Mid-Year Performance Briefing for Listed Companies in the Region, engaging in thorough communication with investors.

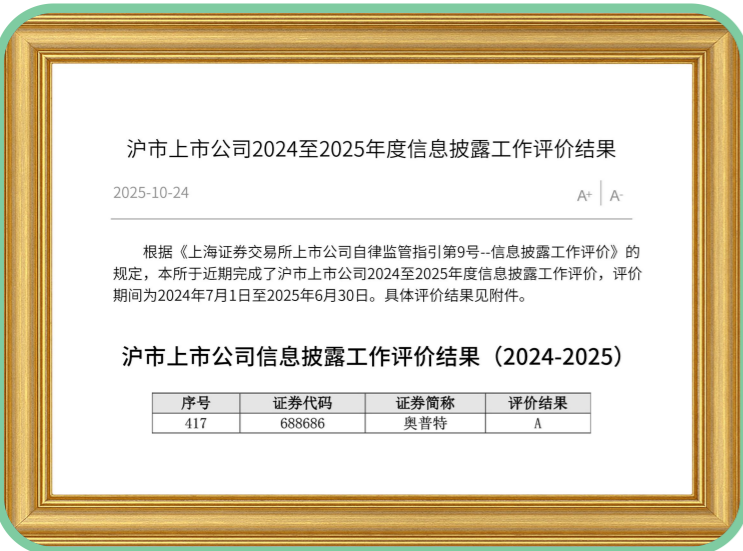
7 **In November 2025** the Company took part in the 2025 Shanghai Stock Exchange International Investors Conference, themed "Value Leadership, Open Empowerment – New Opportunities for International Capital in Investment and Mergers and Acquisitions."

Information Disclosure and Transparency

In 2025, the Company cumulatively disclosed 4 periodic reports and 113 temporary announcements, providing detailed disclosures on matters including the Company’s performance, share repurchases, equity incentives, profit distribution, use of raised funds, board re-election, cancellation of the supervisory board, and system improvements. Through continuous enhancement of its corporate governance structure, the Company received an A rating in the Shanghai Stock Exchange’s 2024 Annual Information Disclosure Evaluation and was awarded the “Best Practice for Board Office of Listed Companies 2025” by the China Association for Public Companies.

Organized investor research activities 185times	Conducted exchanges and communications with investors on multiple occasions 1300+person-times
Investor hotline response rate 100%	Issued regular periodic announcements to the public 4items
Hosted on-site visits and research by institutional investors 67batches	Temporary announcements 113items

SSE Information Disclosure Evaluation for Listed Companies for 2024–2025



2025 Best Practice for Board Office of Listed Companies



Building a Compliance Ecosystem

Institutional construction

In September 2025, the Company completed the optimization of its governance structure following the implementation of the new Company Law, officially abolishing the Supervisory Board and transferring its supervisory functions to the Board Audit Committee. At the same time, the Company revised 32 existing supporting policies, including the Articles of Association, Rules of Procedure for Shareholders' Meetings, and the System for Preventing Misappropriation of Funds by Major Shareholders and Other Related Parties, thereby fully strengthening the institutional framework and ensuring legal and compliant corporate governance.

Compliance Requirements and Training

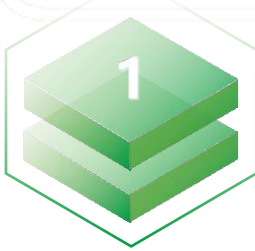
The Company regularly conducts diversified compliance and legal training programs, achieving 100% coverage for new employees in mandatory onboarding training on anti-bribery, business ethics, and anti-unfair competition. Following onboarding, the Company continues to provide regular training to all employees, covering professional skill enhancement, interpretation of the latest industry developments and trends, reinforcement of compliance management requirements, and other areas, thereby improving employees' ability to control various risks during business operations. In addition, the Company explicitly requires all employees and their family members to strictly implement necessary recusal measures when holding shares, taking positions, engaging in part-time work, conducting or recommending business, in order to avoid any conflicts of interest. Through these measures, OPT is committed to continuously improving corporate governance, enhancing governance capabilities, promoting coordinated ESG development, and creating greater value for shareholders and society. All employees have signed a Letter of Commitment to Integrity in Employment, and all personnel in the procurement department have signed Sunshine Procurement Agreements.



Upholding Business Ethics

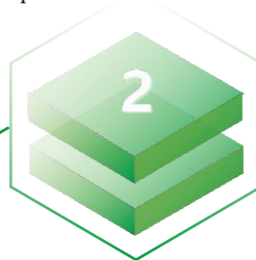
The Company adheres strictly to the business ethics of honesty, integrity, and fair competition, and has established rigorous internal prevention and management systems to ensure that both the Company and its employees comply with business ethics standards.

Anti-Fraud



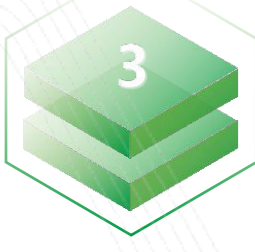
OPT has established a comprehensive anti-fraud system through the Anti-Fraud Audit Work System, which clearly defines the scope of anti-fraud audits, covering key areas such as verification of the authenticity and compliance of financial revenues and expenditures, screening for fraud risks in business processes, and supervision of internal power checks and balances. The system follows a rigorous audit process, with detailed and standardized procedures at each stage—from clue discovery, preliminary verification, in-depth analysis, to report submission. In 2025, the Company organized 36 specialized anti-fraud training sessions, cumulatively covering 1,505 person-times. By strengthening institutional constraints, improving internal control processes, and standardizing business procedures, the Company has built a robust risk prevention and control system. To date, no fraud incidents have occurred, effectively safeguarding the order of business operations and the culture of integrity, and providing solid internal governance assurance for high-quality development.

Anti-Commercial Bribery and Anti-Corruption



During the reporting period, the Company fully established and continuously improved its anti-commercial bribery and anti-corruption institutional framework, comprehensively integrating prevention, monitoring, and handling processes, and precisely defining the responsibilities and operational norms of each department and position in resisting commercial bribery and corrupt practices. Upon onboarding, new employees immediately receive integrity and clean office training, while key departments such as the Procurement Department simultaneously conduct integrity training to reinforce the clean conduct defense line. The Company regularly carries out commercial bribery and corruption risk assessment activities, led by internal audit and coordinated with legal, compliance, and other professional teams, covering all business areas and personnel at all levels. In core business processes—such as external collaborations, procurement, and sales—strict approval mechanisms and compliance guidelines are established to ensure that commercial operations remain within legal boundaries and uphold integrity principles. Through case analysis, industry risk insights, and internal process reviews, potential risks are thoroughly identified and quantified. As of the end of the reporting period, neither the Company, nor its directors, senior management, nor employees have been involved in any litigation related to commercial bribery or corruption.

Anti-Unfair Competition



The Company conducts its business activities in accordance with the principles of voluntariness, equality, fairness, and good faith, firmly opposes unfair competition, and strictly complies with relevant laws and regulations such as the Anti-Monopoly Law of the People's Republic of China and the Anti-Unfair Competition Law of the People's Republic of China. The Company actively guides employees to maintain proper business conduct and upholds the order of fair competition in the industry. In 2025, the Company did not experience any litigation or material administrative penalties arising from unfair competition practices.

Whistleblower Protection



The Company has established a comprehensive complaint and reporting system through the Complaint and Reporting System. This system covers multiple reporting channels, including telephone hotlines, email, online platforms, and others, to enable employees, customers, and other stakeholders to file complaints and reports conveniently. The system details the methods of reporting, investigation and reporting procedures, confidentiality measures, penalties, and reward mechanisms. It also specifies a detailed investigation and reporting process to ensure that every complaint or report is handled promptly, fairly, and effectively. In terms of confidentiality, the system stipulates strict protective measures to safeguard the whistleblower's information in all aspects, preventing any adverse consequences resulting from the act of reporting. Furthermore, corresponding penalty and reward measures are in place: individuals confirmed to have violated rules will face serious penalties, while whistleblowers who provide valid clues will receive appropriate rewards to encourage active public participation in the Company's supervision and management. In 2025, the Company received no complaint or reporting incidents.

Number of compliance trainings held (including but not limited to anti-corruption, anti-commercial bribery, etc.)

103 times;

Number of participants in compliance trainings (including but not limited to anti-corruption, anti-commercial bribery, etc.) **2,944 persons.**

Strengthening Risk Management

Improving the Risk Control System



OPT places high importance on risk management and has established a comprehensive and rigorous risk management system. By conducting quarterly special audits covering key areas such as the use of raised funds, transactions with related parties, related-party transactions, external guarantees, and external investments, while ensuring smooth linkage between daily audit summaries and the next quarter's plans, the Company maintains strict control from multiple dimensions. This effectively safeguards the compliance of operations and genuinely protects the legitimate rights and interests of the Company and its shareholders.

Optimizing Project Management



In response to the specific requirements outlined in the regulatory letter received in 2025, OPT responded promptly and proactively adjusted its strategies. In terms of raised funds management, the Company organized reporting meetings for directors, supervisors, and senior executives, strengthened communication with the sponsor institution and internal staff training, and conducted a comprehensive review. By promoting deep collaboration between the audit and finance departments, the Company ensured the compliance of fund usage; strict accountability and criticism were imposed on those responsible for over-planned expenditures to reinforce the seriousness of fund management. At the project management level, the Company vigorously advanced the rectification of the Marketing Network Center project, promptly disclosed information on adjustments to the investment structure, and rationally reallocated funds to achieve optimized allocation. At the same time, the Company scientifically planned other fundraising investment projects, accelerated construction progress, and disclosed updates to the public in a timely manner, making project management more refined, transparent, and efficient.

Strictly Implementing Departure Audits



OPT has specifically established the Departure Audit System, which clearly stipulates that audit content covers key aspects such as compliance of financial handling, completeness of business handover, protection of intellectual property rights, and fulfillment of confidentiality obligations. The Company strictly follows the established standardized procedures, commencing a series of orderly tasks—from collecting materials, conducting detailed reviews, and performing precise analysis—immediately upon receipt of a resignation application, until the issuance of an objective and accurate final audit report. In addition, the Company actively conducts departure audit training to continuously enhance the professional competence and business capabilities of audit personnel. The Audit Department reports quarterly to the Audit Committee on special audits (Funds Raised, Related-Party Fund Transactions, External Guarantees, Report on External Investments) as well as the audit plan for the upcoming quarter. Through a sound institutional framework and rigorous procedures, OPT has achieved effective risk control in the departure process, with no related risk issues occurring to date.

04

Innovation Leadership – Building High-Quality Products

In the high-tech industry, technological innovation serves as the core driving force for development and the key to maintaining a competitive edge. OPT positions innovation as the central engine of sustainable growth, with comprehensive and in-depth strategic deployment across multiple critical areas, including data security, customer privacy protection, technological innovation, product quality, brand promotion, and supply chain management, thereby laying a solid foundation for the high-quality development of its products and services.

Guided by ESG principles, OPT implements multiple parallel initiatives to elevate product quality across all dimensions. In network and information security, the Company has strengthened its management framework and enhanced emergency response mechanisms to safeguard data and operational security, fortifying its business defenses. In customer service, it has refined its service system, protected customer privacy, deeply understood customer needs, and responded swiftly—optimizing products while effectively increasing user stickiness and customer satisfaction. In the field of technological innovation, OPT adopts advanced R&D models, attracts professional technical talent, and solidifies the technological foundation of its products, driving enhanced product competitiveness through innovation. The Company maintains strict control over product quality, continuously optimizes performance, improves user experience, and builds an outstanding brand image. Brand promotion leverages diverse channels to increase influence, foster multi-party exchanges and cooperation, construct a positive brand ecosystem, convey corporate values, and accelerate product iteration. In supply chain management, OPT upholds the principle of “responsible procurement,” refines its supply chain management mechanisms, effectively mitigates risks, empowers all links in the chain, and ensures the quality and stability of raw material supply. Through coordinated efforts across innovation, security, service, quality, brand, and supply chain dimensions, OPT establishes a strong foundation for creating superior products, actively practices ESG development principles, and advances sustainable enterprise growth.

- Product and Technological Innovation • Empowering Brand Promotion Innovation
- Enhancing Product Quality Experience • Building a Solid Foundation for Supply Chain Management

✓ Adapted R&D models to align with product and solution characteristics, enabling precise response to needs and improved R&D quality.



Our Actions

✓ Advanced green strategy upgrades and issued special verification reports on waste reduction, energy conservation, and emission reduction improvements.

✓ Established industry-academia-research centers and refined mechanisms for talent cultivation and recruitment.

✓ Continuously improved the full-process supplier evaluation system to prevent various supply chain risks, while promoting suppliers' ESG performance through responsible collaboration.

The “Key Technology and Application Project for Intelligent Inspection in Critical Processes of High-End Manufacturing” was approved as a major science and technology project in Dongguan City (key area R&D – critical technology breakthrough), focusing on intelligent high-precision inspection technologies and equipment.



The “Research and Application Project of Key Technologies for Intelligent Industrial Terminals Based on Collaborative Large and Small Models” was selected for the Guangdong Provincial Flagship Project + Dongguan Innovation Consortium and included in the 2025–2026 Guangdong Provincial Key R&D Plan under the “New Generation Artificial Intelligence” special category.

Information Security and Technology Ethics

In 2025, OPT strictly adhered to national and industry standards for technology ethics in the intelligent domain, treating information security and privacy protection as a core focus of its ESG efforts. During the R&D process of intelligent technologies, the Company eliminated any possibility of algorithmic discrimination and fully safeguarded data security and user information privacy. Within its development philosophy, network and information security are not only fundamental industry requirements but also the cornerstone for driving product innovation and delivering secure, high-quality user experiences. Centered on internal information control and customer privacy protection, the Company implemented multi-dimensional measures—including improving institutional systems, building technical protection platforms, conducting professional training, strengthening full-process system control, and establishing risk emergency response mechanisms—resulting in zero data security incidents throughout 2025.

01

Improve the system framework.

Strengthening Institutional Systems and Establishing Professional Management Framework. The Company established a comprehensive information security and confidentiality management system covering all scenarios, including network security, system management, internet usage behavior, risk response, and campus/equipment management. It formulated key policies such as the Network Information Security Management Measures, Information System Management System, Computer Internet Usage Behavior Management Measures, and Information Security Management Procedures, and issued documents including the Notice on Activating the Visitor Management System, Campus Access Control and Visitor Management Regulations, and Computer Equipment Management Regulations. A network information security management system led primarily by the Information Department was established to systematically elevate the network security level of products and systems. The Company implemented a user tiered authorization management mechanism, assigning data operation and viewing permissions in core systems such as ERP based on job roles, preventing cross-dissemination of information from the management level and achieving refined information access control. Additionally, confidentiality agreements were signed with 100% of all employees, reinforcing the information security defense line at both institutional and personnel levels.

02

Establish a comprehensive system of hardware and software protection.

Building Software and Hardware Protection Systems to Strengthen Technical Security Barriers. The Company adopted a combination of software and hardware to construct a multi-layered technical protection network. On the hardware side, firewalls were deployed for external network risk control, and endpoint security protection was implemented for IT devices. On the software side, comprehensive security controls were applied, including network security controls (firewalls, IDS/IPS, isolation between office and production networks, VPN remote access control), system and host security (regular patching, anti-virus/anti-ransomware, disabling unnecessary ports and services), and account and permission controls (least privilege allocation, strong passwords with regular changes, multi-factor authentication, and administrator tiering). Furthermore, Sangfor internet behavior management systems were deployed to regulate employee internet access permissions, while key departments and positions adopted Green Shield terminal security management systems for real-time data encryption. Encryption software was fully installed on IT equipment in the marketing system, preventing unauthorized data transmission and leakage from the technical source.

03

Conduct training and dissemination activities.

Conducting Training and Awareness Campaigns to Enhance Overall Security Awareness. The Company carried out multi-format training and awareness campaigns focused on information system applications and information security. Hands-on user training for systems such as ERP, OA, and MES was conducted as needed, with each session lasting 2 hours. An online knowledge base platform was established to enable employees to query system operation methods and independently resolve technical issues at any time. Regular company-wide security risk awareness campaigns were maintained, with security risk announcements issued every six months. In 2025, announcements such as the Notice on Strengthening Email Application Security Risk Prevention were released, routinely disseminating information security preventive measures and risk alerts through formal channels, achieving 100% coverage of security risk awareness communication. These efforts effectively raised employees' information security awareness and operational capabilities, ensuring sustained high vigilance across the organization.

04

Deepen system construction and control.

Deepening System Development and Control for Centralized Information Management. The Company introduced multiple core information systems—including ERP, OA, MES, BI, and CRM—to centrally manage key areas such as supply chain, production and manufacturing, finance and costing, HR, documents, business data, and customer relationships. ERP integrated multiple business modules, OA enabled intelligent office workflows, MES empowered manufacturing execution, BI provided data-driven decision support, and CRM strengthened customer relationship management, achieving efficient enterprise-wide operations. A full-process information system control mechanism was established, and the Zabbix intelligent monitoring platform was deployed for real-time monitoring of system operating status. Upon detection of system faults, alerts are triggered for rapid response and closed-loop recovery, effectively mitigating operational risks. The newly launched WMS system in 2025 incorporated heightened information security requirements, interfacing only with upstream document synchronization and accounting write-back functions, without displaying sensitive customer data or procurement information. Operational and reporting permissions were strictly controlled, and dual-machine hot standby was implemented to ensure 24/7 system stability.

05

Regulate employees' online behavior.

Regulating Employee Internet Behavior to Reduce Security Risks at the Source. Based on the Computer Internet Usage Behavior Management Measures, the Company formulated clear internet behavior policies and implemented multiple specific controls: (1) explicit prohibitions against accessing illegal or high-risk websites, engaging in non-work-related online entertainment during work hours, or using unauthorized external software/tools; (2) deployment of technical monitoring tools to real-time monitor network access records and traffic usage, issuing early warnings and blocking sensitive data transmissions to prevent leakage of corporate confidential information; (3) fine-grained network permission allocation based on job needs and functions, strictly following the principle of least privilege (e.g., finance staff have access only to specific financial systems and databases, while ordinary employees have no such access), thereby reducing security risks from employee misoperation or malicious actions.

06

Establish an emergency response mechanism.

Establishing Emergency Response Mechanisms to Ensure Controllable Data Security. The Company developed and refined a data breach emergency response plan, clearly defining procedures for handling network security threats, and implemented measures such as encryption systems and permission controls to secure critical information systems and equipment. Internal communication channels, including enterprise WeChat work groups and company announcements, were established to immediately notify all employees of system maintenance, security incidents, and other matters, reminding them to perform data backup and other protective operations to avoid data loss. A standardized risk response system was built through comprehensive information security prevention mechanisms and processes. In 2025, no data security incidents occurred, and related risk prevention and control efforts achieved effective closed-loop management.

07

Upgrade smart office capabilities.

Upgrading Intelligent Office Capabilities for Digital Information Management. The Company deepened data analysis and intelligent office development, creating a visual early-warning platform that enables business dashboard display and automatic push notifications for key information. Real-time alerts are delivered for issues such as overdue sales order delivery dates, material shortages, pending approval documents, and overtime statistics, realizing digitalized and intelligent office operations and information management. This not only improves enterprise operational efficiency but also ensures more timely business information transmission and more effective control.

Looking ahead, the Company will continue to raise standards for information security and customer confidentiality, continuously optimize its information security protection system, promote deep integration between informatization construction and information security management, further strengthen data security and privacy protection capabilities, institutionalize and refine information security work on an ongoing basis, and deepen ecological collaboration with partners. With information security as its foundation, OPT will drive sustainable enterprise development.

Intelligent Technology Driving Upgrades in Customer Service

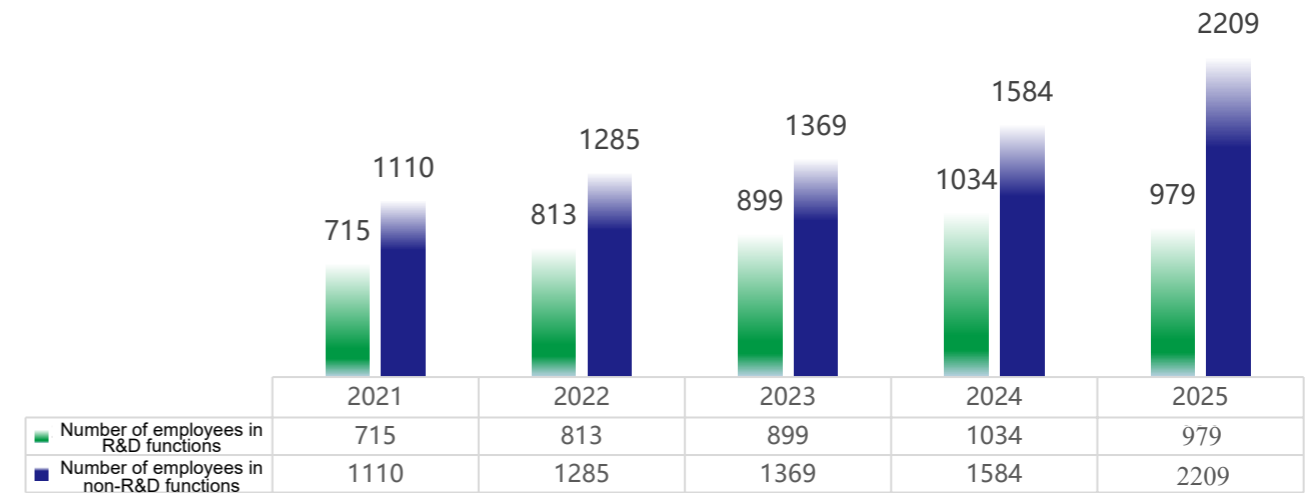
With the goal of building a world-class vision enterprise, OPT actively expands into new fields, develops new technologies, and launches new products, providing customers with diversified solutions and a full range of hardware and software products to enable intelligent manufacturing upgrades.

01

Technology R&D and Innovation Investment

Since its establishment, the Company has consistently prioritized technological upgrades and R&D innovation for its products. Over the past three accounting years, cumulative R&D expenditure accounted for 20% of cumulative operating revenue, ensuring sufficient resources for exploring new technologies and developing new products. The Company has assembled a high-caliber, professional R&D team comprising experts and outstanding talents in fields such as computer vision, image processing, artificial intelligence, mechanical engineering, and more. As of December 31, 2025, the total number of R&D personnel reached 979, representing 30.71% of the Company's total workforce, providing a solid human resource foundation for technological innovation. In addition, the Company actively participates in industry standard formulation and technical exchange activities. It shares OPT's technical experience and innovation achievements at relevant international and domestic technical forums, seminars, and other platforms, while absorbing advanced concepts and technological trends from the industry. These efforts continuously enhance OPT's R&D capabilities and strengthen its influence within the sector.

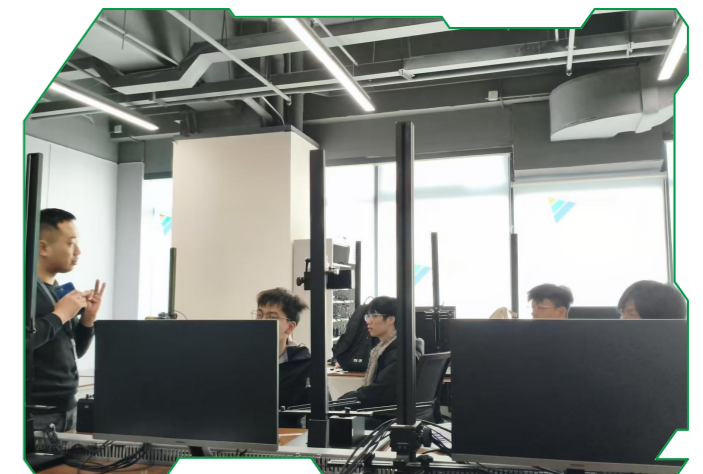
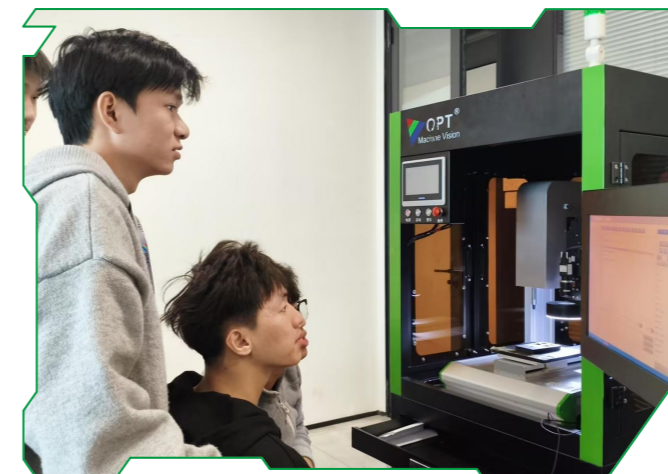
Key Performance Indicators



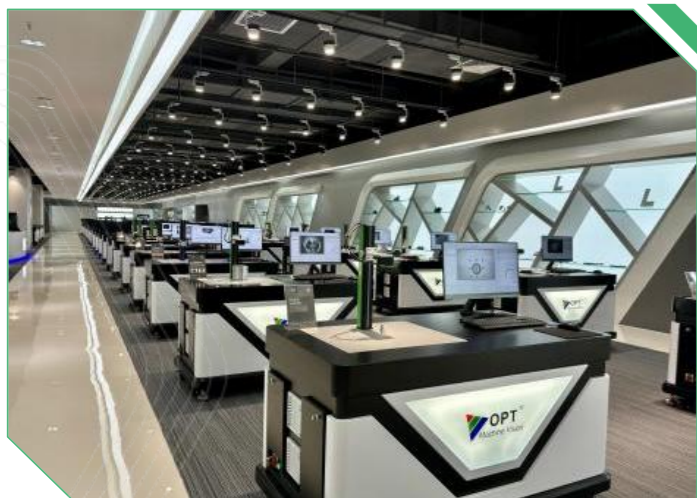
02

Building an Information Platform

In the process of building an information platform, the company relies on information systems to proactively address a wide range of risks, accumulating a wealth of successful examples and well-established procedural documentation. In terms of the management processes for information systems, the company has implemented strict procedures, including the Information System Requirement Application Form, which accurately records and strictly approves various system requirements, including key functional and performance aspects; the System Development Progress Form, which closely tracks the entire system development process, clarifying each stage's timeline and completion status; and the System Function Launch Application Form, which rigorously controls the process of launching new system functions, progressing according to functional testing results and launch plans. In the area of operations and maintenance (O&M) change management, the O&M change request form plays a crucial role. All system operation tasks such as configuration adjustments, software upgrades, and data migration are initiated through this form, which details the change specifics, timeline, responsible parties, and approval personnel. After rigorous approval, the changes are executed precisely according to O&M needs, effectively minimizing operational risks and ensuring the stable and efficient operation of the system, thereby laying a solid foundation for the core technology platform.



Machine Vision Practical Training Center

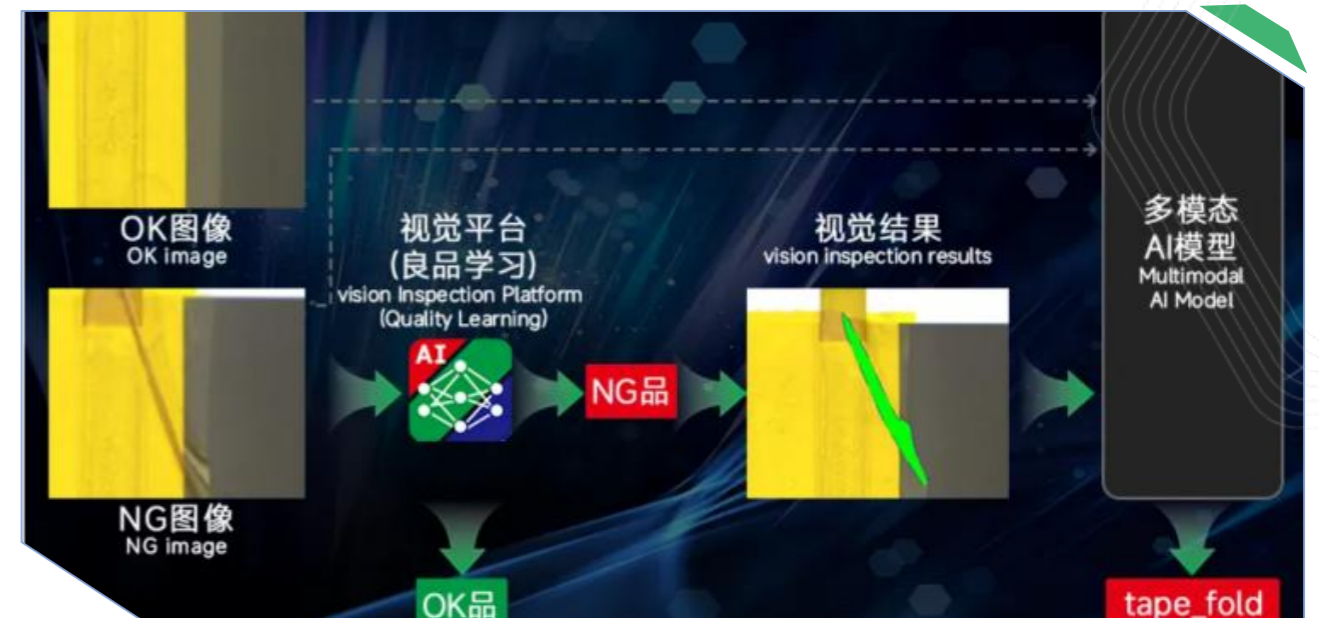
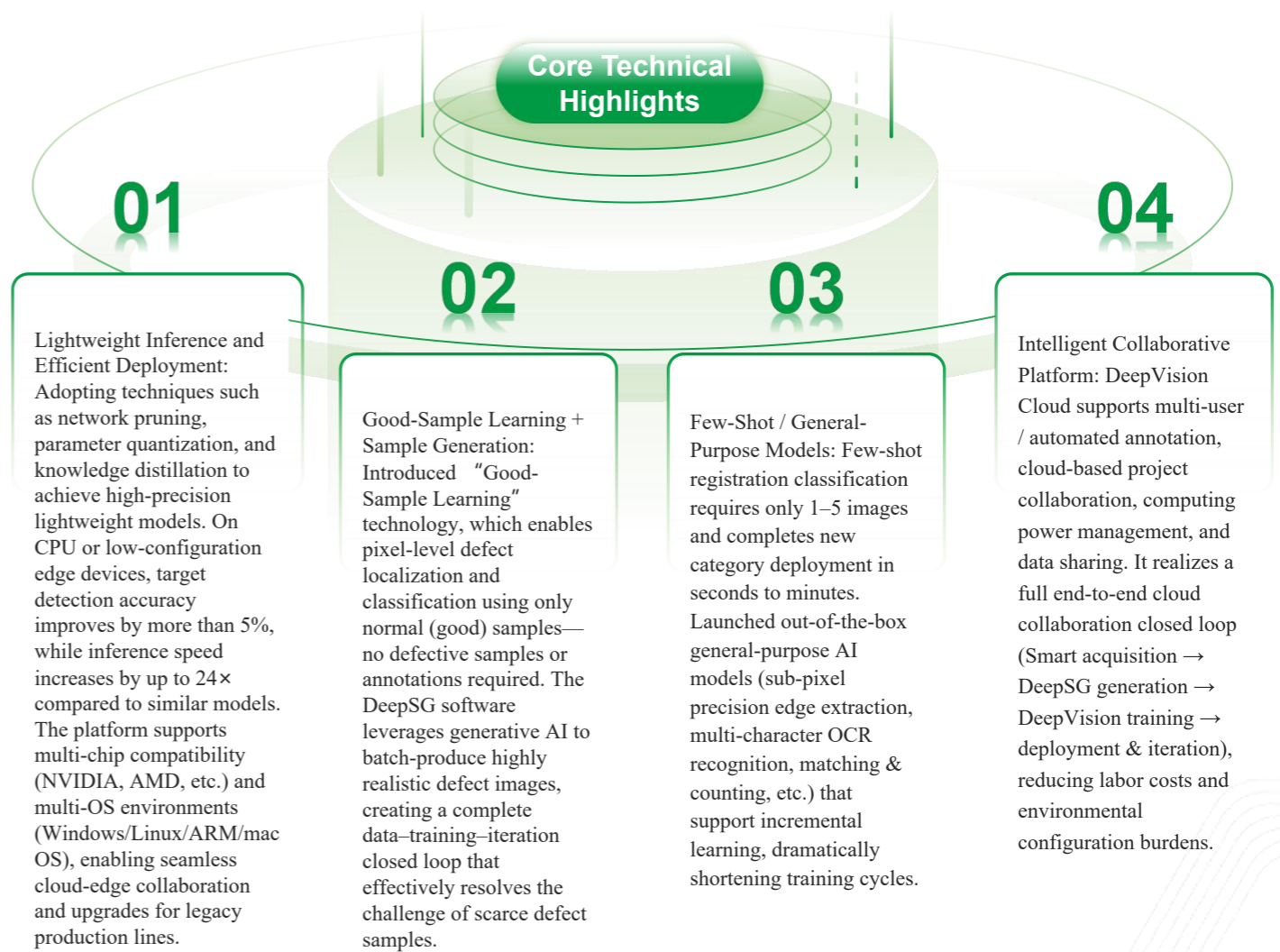


Global Exhibition Hall – Machine Vision Technology Application Center serves as a premier platform for technical exchange and collaboration

03

Lightweight Industrial AI Ecosystem Platform: Overcoming Implementation Challenges and Empowering Intelligent Manufacturing Upgrades

OPT continues to focus on the forefront of industrial AI, building an efficient and lightweight industrial AI platform that effectively addresses key industry pain points such as rising storage chip prices, high computing power costs, long deployment cycles, and poor model generalization. Through underlying algorithm optimization and ecosystem collaboration, the platform achieves a closed loop of “more efficient development and deployment + smarter platform + large-scale implementation,” significantly lowering the barriers to AI adoption and driving green and intelligent upgrades in manufacturing.



OPT Vision Large Model Schematic Diagram

Scale Application Achievements:

The platform has achieved successful large-scale deployment across multiple industries, including 3C, lithium battery, semiconductor, and automotive. Notable examples include: in semiconductors, counting tens of thousands of microscopic dies on wafers and detecting 28 categories of defects; in “AI + Robotics” collaboration: enabling disorderly sorting and flexible handling, allowing robots to achieve autonomous evolution through “running while learning and optimizing,” thereby advancing flexible manufacturing and green, low-carbon production.

The platform not only significantly reduces dependence on computing power and lowers deployment barriers, but also drives efficiency improvements and resource conservation through technological innovation. It empowers customers to upgrade to intelligent manufacturing, demonstrating the Company’s leading role and contribution to sustainable development in the industrial AI field.

04 Optimizing Intelligent Security and Protection System



Data Security and Privacy Protection

Institutional guarantee

The company’s confidential information includes relevant plans, business data, operational materials, and technical documentation. OPT has established a comprehensive customer data privacy protection framework, ensuring effective implementation of privacy safeguards. The system explicitly prohibits the leakage of customer information and establishes a robust accountability mechanism, along with an approval system for access requests. The application process involves submitting an OPT System Access Request Form via the company’s OA system, which is reviewed and approved sequentially by the department supervisor, system management leadership, and the general management office, before the IT department grants access. This system effectively governs access to sensitive customer-related information, ensuring that privacy is strictly protected.



Technical Protection

At the equipment level, top-tier antivirus software is installed on servers and terminal computers. In terms of network security, the company is equipped with local firewalls, IPS/IDS devices, and uses advanced firewall filtering at the gateway, with daily updates to the rule database, ensuring comprehensive protection of customer privacy data. During the reporting period, the company did not experience any incidents of customer privacy data breaches.

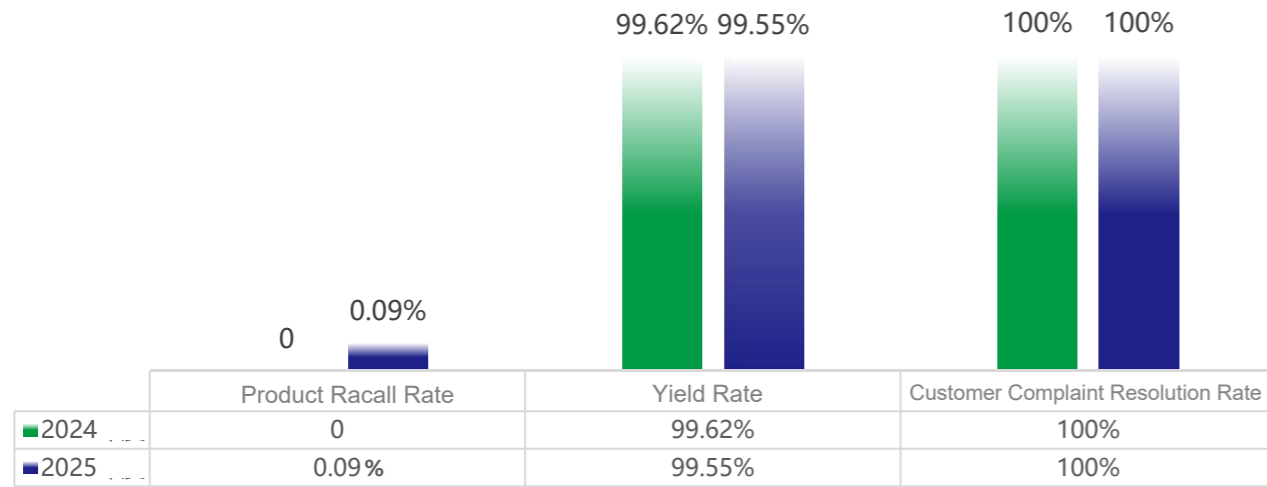
Product Recall in Compliance with Regulations

In 2025, the Company handled the recall of defective products in accordance with the procedures set out in the Measures for the Management of Customer Complaints, Returns and Exchanges. With respect to after-sales service and product recall management, the Company has established a corresponding institutional framework and ensured its effective implementation. To address customer complaints, the Company has set up dedicated complaint handling channels and standardized detailed processing procedures. The Company consistently responds to and resolves all types of customer complaints in a proactive and appropriate manner, striving to provide customers with a high-quality service experience and safeguard their legitimate rights and interests.

Product Return and Repair Procedure



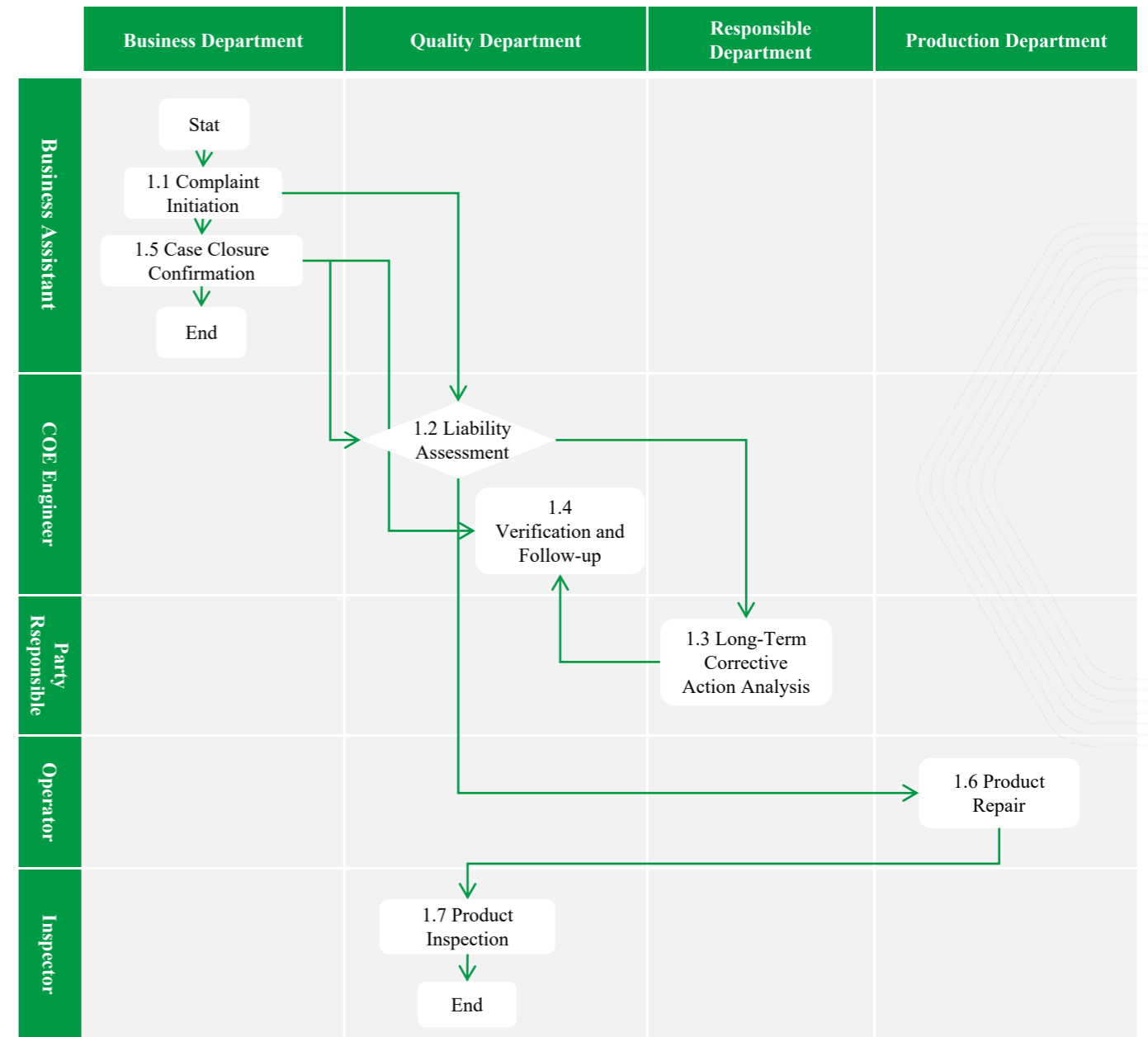
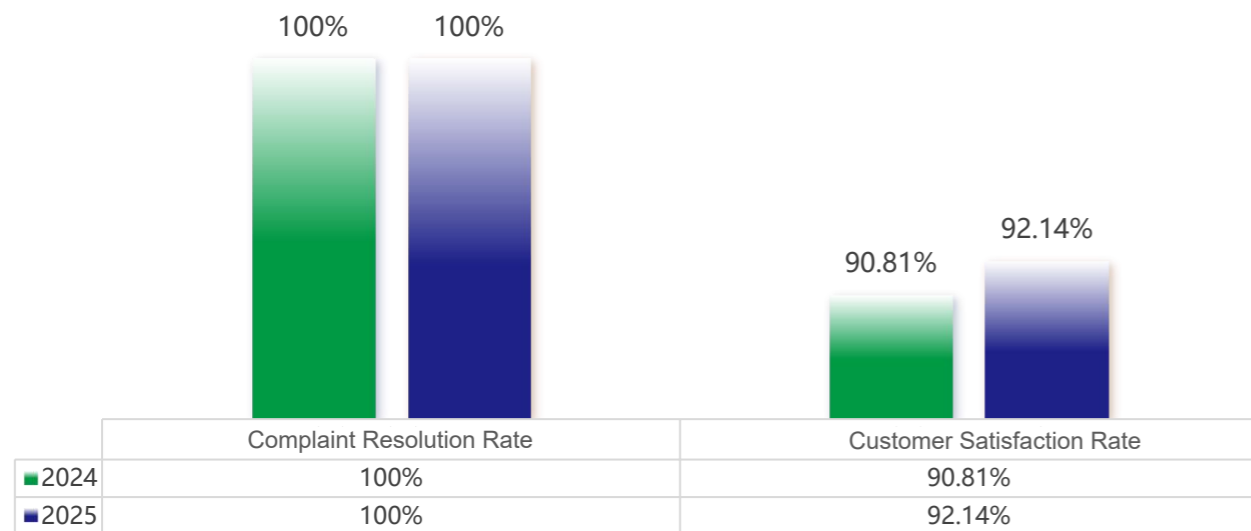
Key Performance Indicators



Standardized Handling of Customer Complaints

The company has implemented the Customer Complaint Handling Procedures to address complaints proactively. Complaints are analyzed in conjunction with feedback from business departments, the product’s operating environment, and product conditions to generate improvement plans. The repaired products are returned to the business department for follow-up with the customer. For products that are returned for repairs without complaints, both product repair and quality improvement are carried out simultaneously to resolve customer issues as swiftly as possible. Customer feedback is addressed within 4 hours with a temporary solution and within 72 hours with a long-term improvement plan. In 2025, the complaint resolution rate reached 100%.

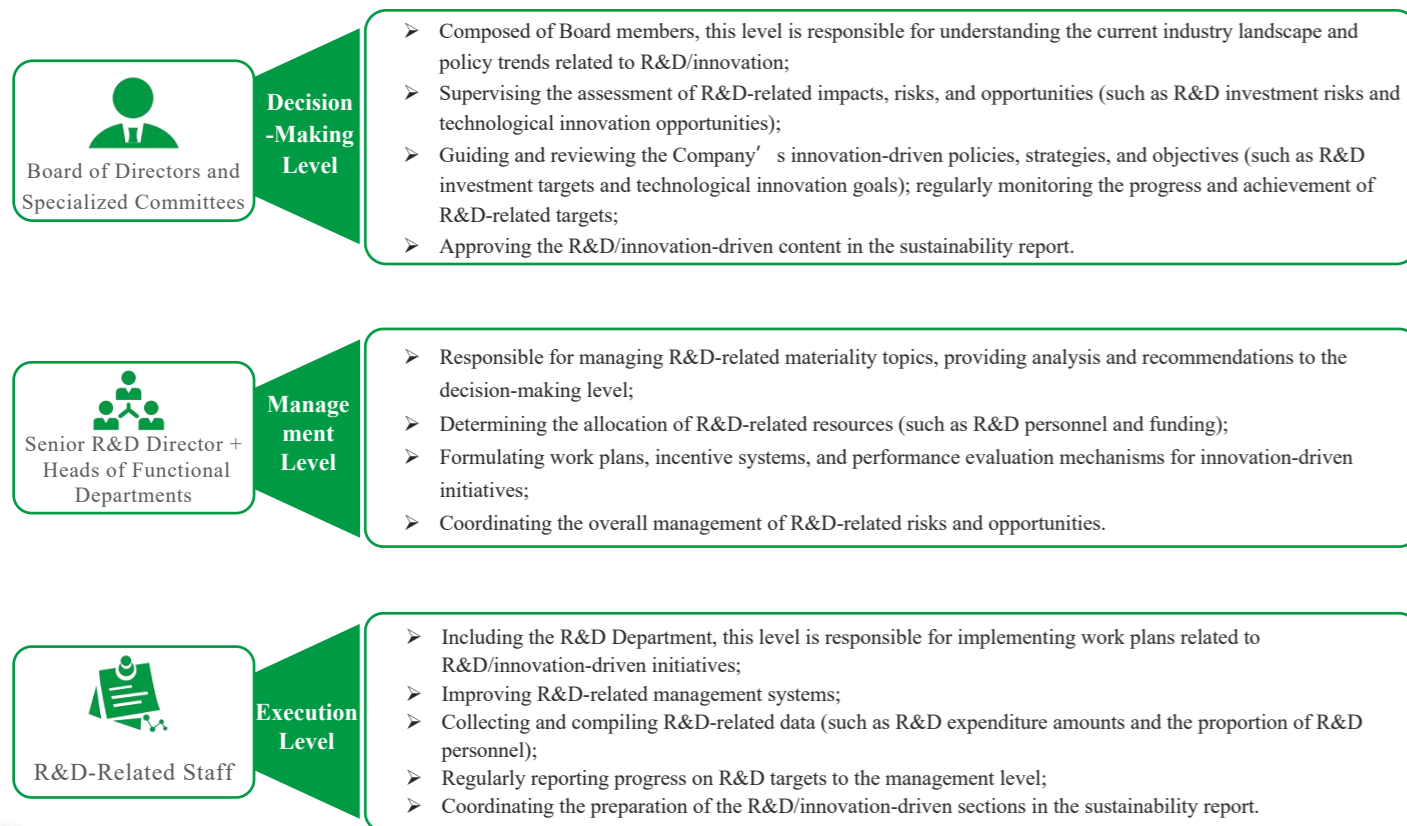
Key Performance Indicators



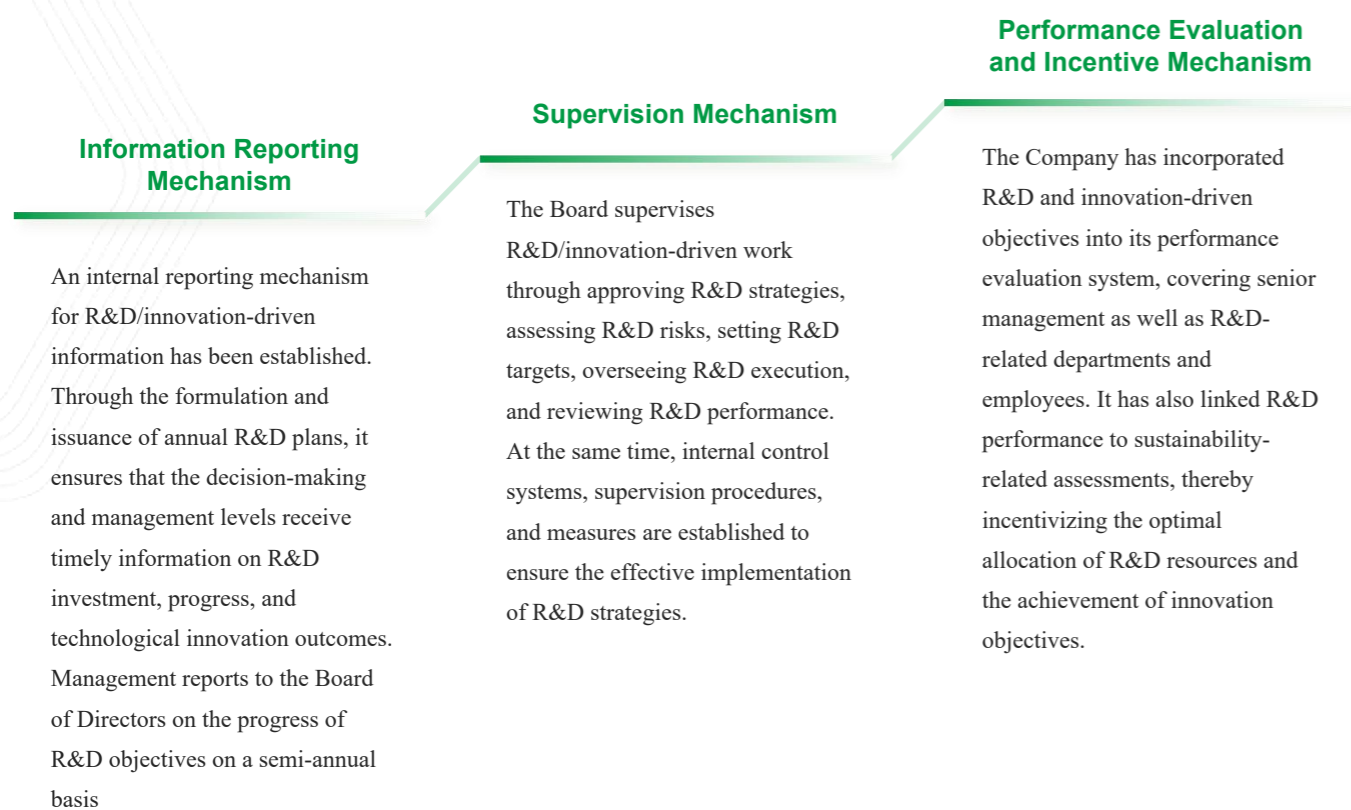
Product and Technological Innovation

Governance

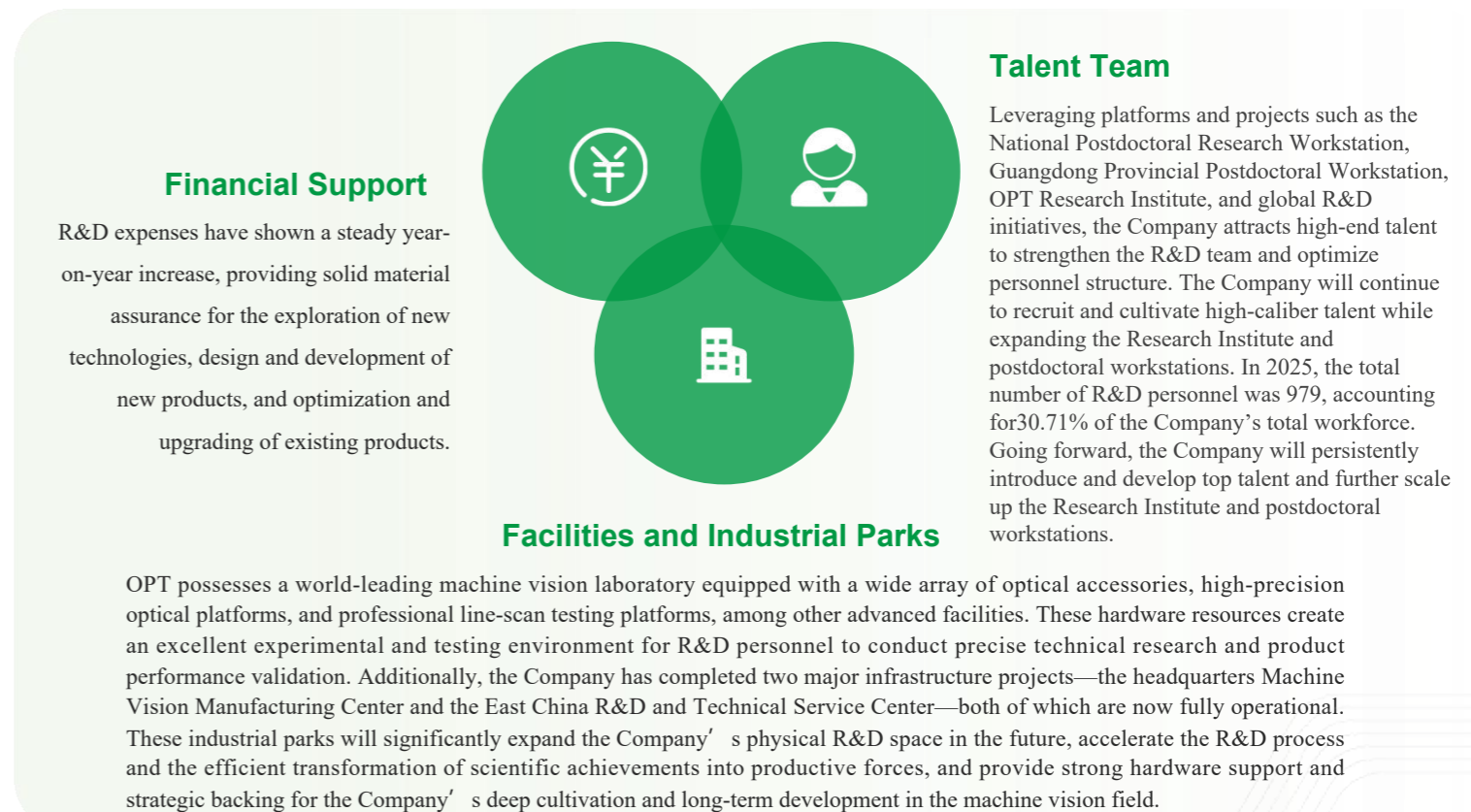
R&D, as a dual-materiality topic, is integrated into the Company’s overall sustainable development governance framework, which is structured in three levels: decision-making, management, and execution. Each level’s responsibilities for managing R&D/innovation-driven topics align with the requirements of sustainable development governance:



Supporting Governance Mechanisms for R&D



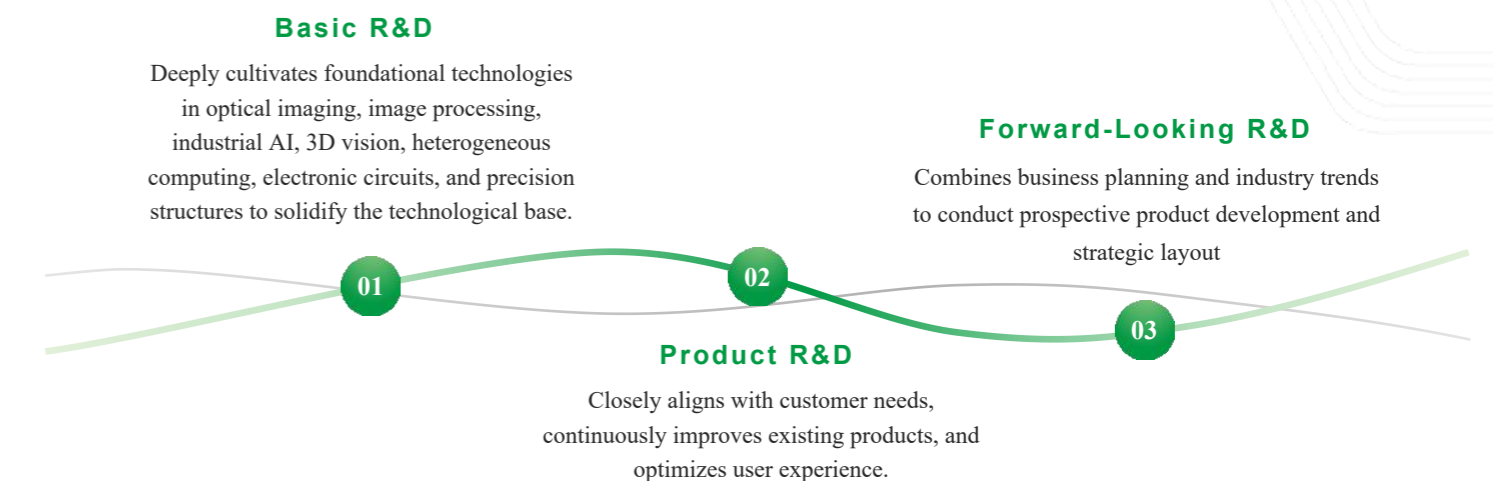
Innovation-Driven Resource Support



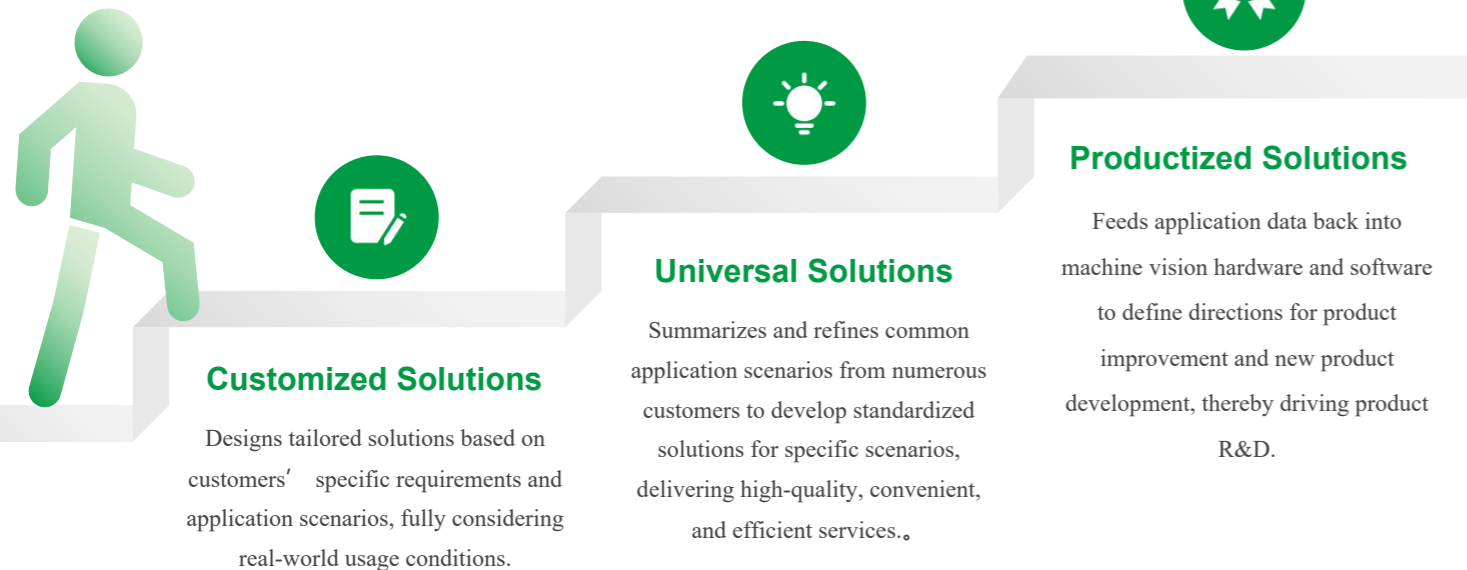
R&D Models

The Company's R&D efforts are primarily focused on the development of machine vision products and solutions, industrial sensor products, and motion control products. To meet diverse R&D needs and improve the overall quality of R&D outcomes, OPT employs two complementary R&D models.

►“Three Parallel Lines” Product R&D Model



► “Three-Layer Design” Solution R&D Model



Strategy

Since its inception, OPT has placed great emphasis on technological upgrades and R&D innovation for its products. Currently, the performance and quality of its products have reached industry-leading levels and are highly recognized by top-tier domestic and international customers. In 2025, the Company continued to increase its investment in R&D, with a strong focus on cutting-edge vision technologies such as industrial AI, 3D processing and analysis, image perception and fusion, and hardware acceleration for image processing and analysis, while simultaneously strengthening capabilities in light sources and control, lenses, smart cameras, and vision processing and analysis software.

Looking ahead, machine vision hardware will evolve beyond ultimate performance optimization toward comprehensive intelligence, green energy efficiency, and flexible customization. First, hardware will fully integrate AI modules and edge computing capabilities to achieve the integration of “image acquisition + data processing + intelligent decision-making.” Industrial cameras will acquire self-perception, self-calibration, and self-optimization capabilities, enabling them to automatically adjust parameters in response to environmental changes and thereby improve imaging quality. Second, in alignment with the dual-carbon strategy, the Company will introduce low-power, green, and energy-efficient hardware products, such as portable visual inspection devices powered by photovoltaic energy and industrial cameras designed for full life-cycle recyclability, while also optimizing thermal management design to reduce energy consumption. Third, development will move toward flexible customization through the launch of flexible machine vision hardware modules that can be rapidly adapted to different production lines and workpieces, support quick equipment changeovers and reconfiguration, and meet the evolving needs of flexible manufacturing.

Impact, Risk, and Opportunity Management

Innovation-Driven Development

The Company has established a scientific, effective, and robust institutional assurance framework and quality management system internally, while continuously optimizing the supporting network of systems. This precisely standardizes R&D processes and models, effectively accelerating the development of new products and the iterative upgrading of existing products, ensuring that products consistently meet market demands, industry development trends, and legal and regulatory requirements.

In the innovation and development process of 2025, OPT maintained the valid status of its Intellectual Property Compliance Management System Certification, further strengthening intellectual property protection and compliance management, thereby providing solid assurance for technological innovation and market competitiveness.



R&D Management

OPT has established a comprehensive internal management system that clearly stipulates the ethical principles to be followed in scientific and technological activities. All research projects are required to undergo a technology ethics risk assessment prior to project initiation to ensure compliance with ethical standards. During project execution, regular checks and supervision of ethical compliance are conducted. In terms of institutional development, the Company has formulated a series of policies, including the Regulations on the Management of Scientific Research Projects, Departmental Management Methods, R&D Expenditure Accounting System, Management and Incentive System for the Transformation of Scientific and Technological Achievements, System for the Recruitment, Cultivation, and Performance Evaluation of R&D Personnel, and Measures for the Implementation of the Equity Incentive Plan, which comprehensively regulate the R&D and innovation process. Additionally, confidentiality agreements are signed with customers to ensure that collected and processed customer data comply with privacy regulations.

Plan

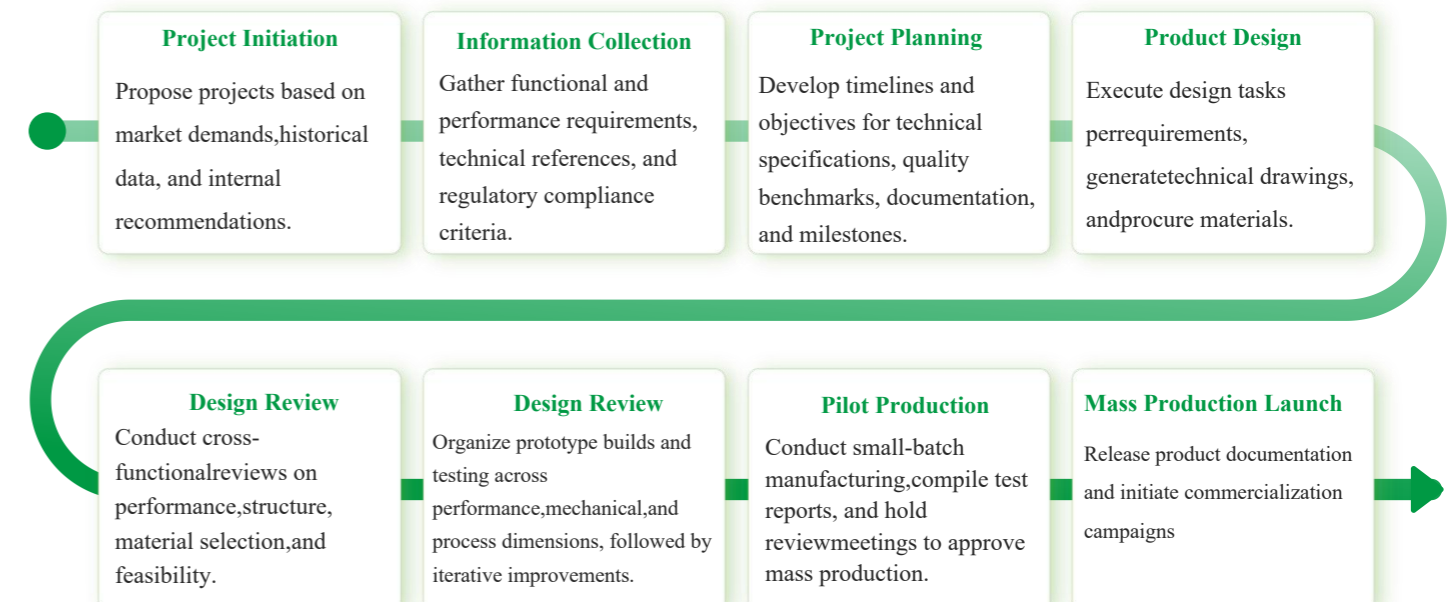
In March 2025, the Company formulated the 2025 Restricted Stock Incentive Plan to motivate 146 key employees across various systems, including 1 senior executive, 2 core technical personnel, and 143 other incentive recipients. The plan proposes to grant a total of 1,203,070 restricted shares to the incentive recipients, representing 0.9842% of the Company’s total share capital of 122,235,455 shares as of the announcement date of the draft plan. Of these, the initial grant is 962,460 shares, accounting for 0.7874% of the total share capital on the announcement date and 80.0003% of the total granted rights under this plan; the reserved grant is 240,610 shares, representing 0.1968% of the total share capital on the announcement date and 19.9997% of the total granted rights.

In April 2025, the conditions for granting the restricted shares were met. The Company determined April 2, 2025, as the grant date and granted 962,460 restricted shares to 146 eligible incentive recipients at a grant price of RMB 48.87 per share.

Through the effective implementation of these systems, not only is the orderly conduct of R&D activities ensured, but employee innovation enthusiasm and sense of responsibility are also greatly stimulated, providing solid support for the Company’s long-term development and enhancement of market competitiveness. Furthermore, the Company has established a management structure of “General Manager – Vice General Manager (Technology) – R&D Department,” with the Chairman directly overseeing technical R&D work and the Vice General Manager (Technology) reporting directly to the Chairman. This structure ensures high-level attention and strong support for R&D activities, effectively improving the efficiency of technological innovation and product development, and promoting the Company’s sustained development in the field of core automation components.

R&D Process

To standardize the full-cycle management from project initiation to outcome delivery and ensure the orderly execution of new product development, the Company has established the New Product R&D Control Procedure. This procedure clearly defines the responsibilities of each department throughout the product development process, enabling comprehensive planning and control of new product R&D, thereby improving R&D efficiency and product quality.



Industry-Academia Cooperation

The company implements a multi-dimensional talent strategy to build a sustainable talent ecosystem, laying a solid foundation for long-term development. Recruitment follows the principles of fairness, justice, and transparency, ensuring equal employment opportunities. The company actively promotes technological knowledge sharing, deeply integrates industry-academia-research collaboration, and consolidates resources from multiple parties to complement each other's strengths in nurturing high-quality talent. The company has established deep strategic partnerships with universities and vocational training institutions to create diverse internship and training programs. It provides a practical platforms for university graduates, accelerating the transformation of theory into practice, injecting innovative energy, fostering local talent growth, and contributing to regional economic prosperity.

Deepening Industry-Academia-Research Cooperation, Accelerating the Transformation of Research Achievements

The company actively builds an industry-academia-research integration center, with a strong focus on the key area of transforming research outcomes. By deeply integrating resources from universities, research institutions, and businesses, the company works to break down the barriers between academia and industry, enabling efficient conversion of scientific research from theoretical to practical applications. This initiative has significantly driven the company's technological innovation and product service upgrades, while also contributing to the technological advancement and industrial upgrading of the industry. It has successfully established a virtuous cycle between scientific innovation and industrial development, providing strong momentum for promoting sustainable social development. OPT has actively engaged in university-enterprise collaboration. To date, the Company has partnered with more than 160 universities to carry out a wide range of university-enterprise cooperation initiatives. Among these, OPT jointly established the "OPT-South China University of Technology Postgraduate Joint Training Base" and co-built a "Postdoctoral Innovation Practice Base" with South China University of Technology, as well as the "Guangdong Provincial Postgraduate Joint Training Base" with Dongguan University of Technology. The Company has also conducted postgraduate training and research collaborations with institutions including Shantou University, Dongguan University of Technology, Guangdong University of Technology, Henan University of Technology, and University of Electronic Science and Technology of China..

Project Name	Project Field	Special Program Name	Role	Partner Institutions	Current Status
Key Technology and Application for Intelligent Inspection in Critical Processes of High-End Manufacturing	Dongguan Major Science and Technology Project – Key Area R&D Project – Critical Technology Breakthrough Project	Intelligent High-Precision Inspection Technology and Equipment	Lead Organization	Guangdong University of Technology Dongguan South China Design Innovation Institute	Project Approved
Research and Application of Key Technologies for Intelligent Industrial Terminals Based on Collaborative Large and Small Models	Guangdong Provincial Flagship Project + Dongguan Innovation Consortium	2025–2026 Guangdong Provincial Key Area R&D Plan – “New Generation Artificial Intelligence” Special Program	Lead Organization	Foshan University South China University of Technology Dongguan New Generation Artificial Intelligence Research Institute	Project Approved

Implementation of Industry-Academia Collaboration

01

Educational Partnerships and Talent Development

Collaborates with Guangdong Electromechanical Polytechnic and Jiangxi Industrial Trade Vocational College to establish industry-tailored classes, nurturing professionals aligned with sector needs. OPT experts teach courses at Dongguan Polytechnic and Guangzhou Panyu Polytechnic, enhancing students' practical skills through industry-education integration.

02

Curriculum Design and material Development

Publishes textbooks such as Fundamentals of Computer Vision Technology and Industrial Machine Vision Applications, promoting technical standardization and resource sharing. Develops courses like Intelligent Sensing and Inspection Technologies at Shenzhen Polytechnic University to elevate teaching quality.

03

Research and Technological Innovation

Supports industry-sponsored projects including LOGO character detection systems and metallographic inspection systems, driving industrial upgrades. Participates in R&D initiatives like cylindrical metal surface inspection and glass machining path positioning, advancing industry technologies.

04

Skills Competitions and Training Labs

Sponsors competitions at Hangzhou Technician College and Guangzhou Electromechanical Technician College to enhance practical abilities. Collaborates on lab construction with Guangdong Electromechanical Polytechnic and Jiangxi Industrial Trade Vocational College, improving training infrastructure.

05

Industry Standards and Vocational Development

Leads drafting of Machine Vision System Maintenance Technician occupational standards. Partners with Shenzhen Robotics Association to establish skill certification systems, fostering industry standardization.

06

Public Training and Industry Forums

Participated in the Robotics Development and Challenges Seminar to promote the exchange of cutting-edge industry technologies; took part in the national-level vocational education training base project to promote the high-quality development of vocational education.



The “Machine Vision Technology Order Class” jointly organized by OPT and Guangxi Water Conservancy and Electric Power Vocational and Technical College was successfully completed. After nearly two weeks of intensive training, the first cohort of students successfully graduated with solid skills and received employment offer letters issued by the Company, achieving efficient linkage from training to employment.

Promoting Knowledge Sharing to Empower Rural Revitalization

OPT regards knowledge sharing as a vital social responsibility, integrating into the industry-academia-research innovation ecosystem to foster synergistic development between the industry and education. Actively responding to the rural revitalization strategy, we provide internship opportunities for rural school students. In 2025, we established an off-campus practical teaching base for college students with Maoming Vocational and Technical College. We also offer 3D project solution support to institutions like Shunde Polytechnic, assisting in the construction of the Industrial 4.0 Skills Competition Training Center project for the School of Intelligent Manufacturing. Through collaboration, we co-created a machine vision technology application training lab, encompassing a machine vision system development platform, a deep learning innovation application platform, and teaching resource development. We conduct practical training projects for positions in lithium batteries, consumer electronics, pharmaceuticals and healthcare, semiconductors, packaging and printing, and other industries. Concurrently, it advances operational tasks including curriculum resource development, training program design, and scientific research project execution. This initiative not only enhances students' employability and faculty research capabilities but also serves local economic development, comprehensively supporting institutional talent cultivation and the elevation of vocational education quality. It further assisted Wuhan University in conducting research on the “High-Precision BeiDou Vision Fusion Intelligent Monitoring System for Complex Water Conservancy Engineering Scenarios” for the China International University Innovation and Entrepreneurship Competition.

Objectives and Metrics

R&D Performance

In 2025, the functionality and stability of all products will continue to improve. While meeting the diverse needs of different user groups, we will minimize system resource consumption, reduce computational energy consumption while enhancing computational accuracy, and lower carbon emissions. Through comprehensive optimization and upgrades at the underlying level, functionalities, and modules, we will enhance stability, enrich feature sets, and boost processing efficiency. This will reduce energy consumption per unit of product output, driving the green transformation of downstream products. Product applicability in industrial scenarios will be strengthened, particularly facilitating process optimization and efficiency gains in specialized industrial segments such as photogrammetry, production monitoring, and quality inspection. This report primarily discloses OPT’s industrial cameras, 3D sensors, smart barcode readers, smart cameras, and vision software, which have been recognized as Dongguan Municipal Industrial Design Centers.

3D Cameras

- The Company completed the comprehensive iteration and upgrade of its four core product series—CC (small-area array), CH (high-speed/large-area array), CL (line scan), and CM (multispectral)—thereby further consolidating its core market advantages:
- ①Enhanced efficiency and functionality: New core features, including overclocked image acquisition and storage acquisition, were introduced. Without any changes to the hardware, acquisition efficiency increased by approximately 45%, significantly improving the takt time of industrial inspection.
- ②Optimized imaging quality: Advanced ISP functions, such as adaptive CCM and dynamic noise reduction, were incorporated to enhance imaging performance under complex lighting and noisy conditions, ensuring stable and outstanding performance in demanding operating environments.
- ③Innovative structural design: A new-generation compact structure was launched for the CC series, supporting multi-side installation and improved heat dissipation efficiency, thereby better accommodating confined spaces and complex installation scenarios.
- ④Expanded professional line scan offerings: The Company introduced multiple true-color line scan cameras with high color fidelity, outperforming conventional pseudo-color cameras and meeting the needs of precise color inspection. These products also integrate professional features such as FFC, variable-length acquisition, and time-sharing strobe control, further broadening their application scenarios.

3D Sensors

- Product Overview: Built on vision technology development, the product matrix includes LP line laser, FP stripe structured light, LS speckle structured light series, and supporting software platforms, offering a complete product lineup.
- ESG Practices: For safety, the LPF2 line laser series has power as low as 6 mW, achieving Class 2 laser safety rating. In environmental aspects, compliant suppliers are selected from chips to cables, standardized production systems are established, international standard certifications are obtained, environmental certifications are promoted, employment is created, and employee health and public welfare are prioritized.

Smart Code Readers

- Product Overview: Used for barcode and 2D code recognition, these devices support enterprise automation and digital upgrades. The vision is to solve complex code-reading scenarios, with complete specifications, over 400 models, and non-standard customization available.
- ESG Practices: In environmental risk management, products have CE and RoHS certifications, are produced in cleanrooms to reduce water and electricity waste and emissions, use eco-friendly materials, and promote green supply chain development. In social risk management, fair employment opportunities are provided, compensation and benefits systems are improved, training is organized, occupational health and safety are ensured, customer production transformation is supported, and green supply chains are built.

Vision Software

Five standard versions have been released with the following performance optimizations:

- ① Hardware Access & Support
Integrated support for self-developed 3D structured-light and speckle structured-light cameras, with combined hardware-software delivery and one-stop selection solutions, significantly reducing customer selection time and learning costs.
- ②Performance & Time Optimization
Optimized time consumption in key processes such as multi-contour operator ROI masking, scheme saving, general page, dongle software, and structured-light acquisition, improving system response speed and production efficiency.
- ③ Function Expansion & Tool Additions
Added operator block editing controls, event settings (including new events, event addition, stop-running events), consistency tools, image-running tools, and file operation tools, enriching functional options, addressing user pain points, and perfecting the product ecosystem.
- ④ User Configuration & Experience Optimization
Supported calibration board DM parameter calibration, configurable user operation logs (size, count, switch, directory, filename), enhanced log window functions, and RMS output for calibration matrices, improving operational flexibility, troubleshooting efficiency, and visualized calibration accuracy experience.
- ⑤ System Stability & Reliability Enhancement
Reduced downtime caused by communication disconnections, ensuring continuous system operation stability.

Improved Production Efficiency

Machine vision software excels at performing monotonous, high-frequency, and repetitive long-duration tasks with precision, speed, and stability. It has already supported more than 15,000 enterprises.



The machine vision system enables automatic detection of product dimensions, shapes, colors, surface defects, and other attributes directly on the production line, ensuring consistent product quality. For example, in the automotive manufacturing industry, it is used to inspect vehicle body paint quality including scratches, dents, or color mismatches.

Adaptability and Reliability

Machine vision demonstrates strong environmental adaptability and is capable of maintaining stable operation under harsh and hazardous production conditions. At the same time, by adopting a non-contact inspection method, it avoids damage to workpieces, thereby offering significant advantages in high-risk processes such as stamping, pressure die casting, heat treatment, and welding.

Recognized as a Jiangsu Provincial Private Technology Enterprise in 2025

2025 China Machinery Industry Science and Technology Award



R&D Investment

Financial Resources



The Company formulates a scientific R&D budget system based on strategic planning and market demand. In terms of fund allocation, priority is given to core technology R&D and new product development projects to ensure sufficient funding for key initiatives. At the same time, resources are reasonably allocated for the procurement and upgrade of R&D equipment, purchase of experimental materials, patent applications, and other related areas. Over the past three years, the Company's R&D expenditure has shown continuous growth. This reflects the Company's high level of commitment to R&D and innovation, as well as its increasing investment in technological development, all aimed at enhancing product competitiveness through innovation and laying a solid foundation for sustainable development.

Human Resources



The Company maintains a professional R&D team composed of technical talents from multiple disciplines. In terms of human resource allocation, personnel are flexibly assigned based on the importance and urgency of projects. For critical technology breakthrough projects, top talents are concentrated to ensure smooth progress. The Company also emphasizes talent cultivation and recruitment, enhancing the professional skills of R&D personnel through internal training, external learning and exchanges, and other initiatives, while actively attracting outstanding industry professionals to inject new vitality into the team. In 2025, the Company cultivated 1 Dongguan Municipal Model Worker (from the R&D team) and 8 Dongguan Municipal Characteristic Talents.

Year	R&D Investment(RMB 10,000)	R&D Investment/Revenue(%)
2023	20,224.50	21.43
2024	21,695.99	23.81
2025	25,507.62	20.10

Enhancing R&D Capabilities

R&D Technical Training



The Company consistently regards employee education and training as a vital cornerstone of enterprise development, placing high importance on improving employees' professional competence and technical skills. Regular specialized skill training sessions are organized to elevate the overall team capability. Upon the release of new versions or new products, offline centralized training is typically adopted to enable employees to gain a more intuitive and in-depth understanding of the relevant content. For foundational product knowledge training, the Company primarily relies on the "R&D Classroom" format. Training covers a wide range of topics, from basic applications to 3D applications, industrial AI, product features, specialized technical subjects, and hardware support, helping employees master the latest technologies, enhance application capabilities, and adapt to rapidly evolving market demands and industry challenges.

Intellectual Property Protection



The Company strictly complies with relevant intellectual property laws and regulations, including the Patent Law of the People's Republic of China, the Trademark Law of the People's Republic of China, and the Enterprise Intellectual Property Management Norms. It has established and continuously improved its intellectual property management system and formulated policies such as the Intellectual Property Management Regulations. Clear incentive mechanisms for intellectual property achievements are defined, and protection mechanisms are refined to safeguard innovative outcomes, encourage employees to create and protect intellectual property rights, and thereby enhance the Company's overall competitiveness.

Total Valid Patents 951 Patents	Total Valid Software Copyrights 151 Items	Newly Granted Patents 311 Patents
New Software Copyrights 27 Items	New Invention Patents 51 Patents	New Utility Model Patents 240 Patents
New Design Patents 20 Patents	Certified as a National Intellectual Property Demonstration Enterprise	

Enhancing Product Quality Experience

Product Portfolio

OPT has established a comprehensive portfolio of core machine vision software and hardware product lines, covering vision algorithm libraries, intelligent vision platforms, industrial AI, light sources, light source controllers, industrial lenses, industrial cameras, smart code readers, 3D cameras, and measurement systems. Building on its core optical technologies, the Company continues to increase its R&D investment in the field of advanced industrial sensors and, leveraging its capital strengths, further expands its motion control product lines. The Company's core products are outlined below:

3D Cameras

OPT has established the most comprehensive full-matrix lineup in China (line laser, projection structured light, binocular speckle, TOF sensing), covering scenarios from micron-level high precision to ultra-large field of view. The line laser series introduced the domestically produced Sensor-based E2 series (balancing low power consumption and high cost-performance), with ultra-high-precision models achieving repeatability of 0.1 μm and doubled material compatibility. Projection structured-light models reduced volume by 30% and sheet metal consumables by 40%, while elevating Z-axis repeatability to 0.09 μm (industry-leading). Binocular speckle frame rate increased to 20 fps (highest in industrial applications). Guided by the strategy of "scenario-driven, hardware-software synergy, and standard co-construction," the Company is driving 3D vision from "usable" to "user-friendly" and from single-point to system empowerment, achieving large-scale deployment in leading battery, 3C, and automotive sectors, breaking foreign monopolies, and providing critical 3D perception support for embodied intelligence in robotics—enabling independent control, quality improvement, efficiency gains, and value leaps in precision assembly, defect detection, dimensional measurement, and other key processes.

Smart Code Readers

The underlying architecture has been fully restructured, forming a complete tiered matrix of "high-end flagship – mainstream general-purpose – entry-level economy." The S series reduced volume by 40% and supports multi-focal-length coverage for narrow workstations; flagship models achieve 100 fps to eliminate high-speed missed reads. V25.0 software compresses debugging time to minutes, improves recognition rate by 9.05%, significantly enhances low-resolution decoding, adds 17 new code types and upgraded OCR, and deeply covers semiconductors, logistics, and other fields. Evolving from a mere "code scanning tool" to the "gatekeeper of intelligent manufacturing data," it lowers entry barriers and empowers small and medium-sized enterprises in intelligent transformation.

Smart Cameras

Launched the universal AI camera SCD1 (training and deployment with only 3–10 images in minutes, reducing model changeover debugging from days to minutes); the wafer-specialized SCD3 addresses low-light/darkroom ID reading challenges; the laser-calibrated coaxial instrument enables closed-loop correction, improving assembly yield and stability.

Vision Software

Iterated the Smart general-purpose software and SciVision algorithm library, supporting multi-platform deployment and vision-control integration. New additions include 3D/deep learning tools and AI assistance (guided programming, AI registration learning, AI 3D pose calculation), achieving optimal algorithm speed/accuracy with up to 99.89% reduction in time consumption. Expanded from 2D to multi-dimensional inspection, improving detection rates and deployment efficiency. Products undergo rigorous security scanning to ensure threat-free release. The software enables continuous high-risk operations, reduces costs, enhances quality consistency and environmental adaptability.

These innovations significantly reduce dependence on computing power, deployment barriers, and labor costs, while creating demand for high-skilled positions. Through collaboration with universities and alliances, the Company conducts large-scale vision industry training programs annually, helping frontline workers transition to intelligent collaboration, aligning personal value growth with industrial upgrading, and demonstrating leadership in technology and social responsibility.

Product Quality

Governance

The Company has established a comprehensive quality management system in accordance with ISO 9001 requirements, constructing a three-tier document system of "top-level guidelines – process control – grassroots execution" and an internal audit management structure led by management and involving cross-departmental collaboration. Through annual management reviews, it forms a clear division of responsibilities, closed-loop processes, and full-department coverage management pattern.

Three-Tier Document Governance Foundation



The Management Manual serves as the top-level guideline, clearly defining the overall management framework; various procedural documents detail management across the full business chain, including human resources, production, procurement, and R&D, specifying departmental and positional responsibilities; operational management measures and work instructions act as grassroots execution standards, ensuring management requirements are implemented in specific daily work.

Internal Audit Specialized Management Structure

Led by the Management Representative (Vice General Manager), the Company coordinates the full internal audit process, attends opening and closing meetings, and provides support and decision-making guidance. Department heads and above actively cooperate. In 2025, a 15-member cross-departmental internal audit team was formed, with members distributed across Operations, Business Department, Design, Human Resources, Administration, R&D, Quality, Production, Procurement, and other departments (3 each from Quality and Production; 2 each from Human Resources, Administration, and Procurement; 1 each from Operations, Business, and Design), achieving professional full-coverage audit capabilities.



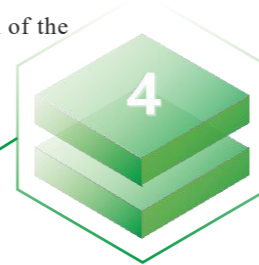
Full Closed-Loop Management Process



A complete closed-loop internal audit process has been established, covering audit plan formulation, Management Representative approval, audit notification, on-site auditing, nonconformity improvement, follow-up auditing, internal audit report preparation, and record archiving. Complementary control mechanisms for internal audits and management reviews are in place, with system engineers specifically tracking the implementation and verification of corrective and preventive actions for nonconformities in each department, forming a governance closed loop of “audit – problem identification – rectification – verification – optimization” to ensure the compliant and effective operation of the management system.

Full-Department Coverage

The governance scope encompasses the General Manager/Management Representative, R&D Department, Business Department, Human Resources Department, Administration Department, Finance Department, Production Department, Quality Department, Engineering Department, Procurement Department, Warehouse Department, PMC Department, and all other departments, ensuring the quality/environment/occupational health and safety management systems are implemented across the entire operational chain.



A performance evaluation system has been built with core focus on management system compliance execution, target achievement, and effectiveness of problem rectification. The evaluation covers both departmental and individual levels, supported by quantitative data and oriented toward continuous improvement, linking evaluation results with rectification requirements and incentive mechanisms.

Core Evaluation Benchmarks



Quality/environment/occupational health and safety objectives are broken down to each functional department, with target achievement serving as the basic basis for performance evaluation. Compliance with management system documents is a mandatory requirement, with no major nonconformities as the basic evaluation standard.

Key Evaluation Indicators

The completion rate of rectification for minor nonconformities identified in internal audits and the effectiveness of corrective measures serve as core indicators. Departments failing to complete rectification within the prescribed period or failing to develop effective preventive measures face evaluation constraints. Emphasis is placed on the execution effectiveness of high-frequency core clauses in quality management, including implementation of the quality policy, documented information management, operation planning and control, identification traceability, and product/service release, which are incorporated into focused evaluation scope.



Strategy

The Company’s core strategy revolves around the sustained and effective operation of the quality management system, with the central objective of “meeting customer requirements through product quality and continuous improvement.” This is implemented through three major directions: product innovation, quality assurance, and customer service & supply chain optimization, ultimately aligned with the long-term vision of “To build a world-class vision enterprise and create a platform for employees to realize their self-worth..”

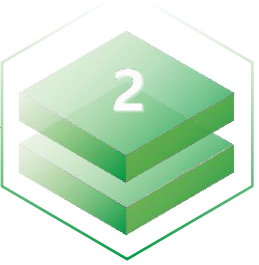
Core Strategic Orientation



Based on ISO 9001:2015, the Company establishes, implements, and continuously optimizes the management system to elevate overall management standards and risk control capabilities, ensuring compliance with relevant laws and regulations and possessing the core ability to prevent nonconformities and meet customer requirements.

Product Innovation Strategy

The Company focuses on core machine vision domains and has established standardized new product development processes covering the R&D processes for core products such as light sources, code readers, lenses, cameras, sensors, and motion control products. Standardized procedures are also defined for non-standard product design and production. Through rigorous R&D management, the Company drives technological innovation to strengthen its core competitiveness in the vision field.



Quality Assurance Strategy



A full-process quality control system covering “incoming materials – in-process – outgoing shipment” has been built. Multi-stage inspections—including incoming material inspection, in-process and finished product inspection, and outgoing inspection—are implemented, combined with nonconforming product control, product identification, traceability management, and other measures to safeguard product quality across materials, production, and delivery. Regular internal audits identify and address execution gaps in quality processes, with corrective and preventive actions developed to achieve continuous optimization of quality control.

Customer Service & Supply Chain Strategy

The Company continuously improves service quality by collecting customer feedback, conducting customer satisfaction management, standardizing customer relationship maintenance, and handling complaints to meet diverse customer needs. Supply chain management is optimized through supplier management, procurement processes, material safety stock management, and outsourced processing controls to ensure supply stability and efficiency, supporting market expansion and sustained business growth.



All-Employee Development Strategy



Employee development is integrated into the corporate strategy. Through employee training, performance evaluation, reward and discipline systems, the Company enhances full-staff awareness and professional capabilities in quality, environment, and occupational health & safety. This builds a professional management and execution team and creates a platform for employees to realize their self-worth, embodying the philosophy of “a group of people dedicating their lifetime to one mission” to drive effective strategy implementation.

Impact, Risk, and Opportunity Management

01 Optimizing Quality Management

In 2025 quality management process, the company strictly adhered to a series of rigorous quality management standards, including the Product Inspection Management Procedure, Incoming Material Inspection Management Measures, Process and Finished Product Inspection Management Measures, Shipping Inspection Management Measures, and Quality Inspection Management Measures. This established a comprehensive, multi-tiered quality control network and led to the re-certification of the ISO 9001 Quality Management System. Throughout the year, several key and effective initiatives were implemented to enhance product quality:

01

To address process anomalies, an innovative daily, weekly, and monthly meeting communication system has been established. Through high-frequency, systematic meetings and discussions, we closely track issue resolution progress, precisely monitor improvement outcomes, ensure stable and controllable process quality, and achieve refined and dynamic quality management.

04

Enhance equipment management by establishing a three-tier maintenance system encompassing daily, periodic, and specialized upkeep. Standardize commissioning procedures for three categories: new equipment installation, mass production processes, and fault recovery. Implement a quantitative evaluation framework based on technical (40% weight), economic (30% weight), and managerial (30% weight) dimensions. Concurrently enforce critical management requirements including asset ledgers, personnel certification, and spare parts inventory to comprehensively ensure equipment operational stability and production efficiency.

In managing product safety, quality, and major liability incidents, the company consistently adheres to the Environmental Substance Risk Management Measures, executing all tasks with a rigorous approach and strict standards.

02

Comprehensively review and thoroughly revise all product quality and process documentation, refining every detail with an unwavering commitment to excellence. Standardize operational procedures to establish authoritative, standardized documentation that underpins end-to-end quality assurance, thereby solidifying the foundation of quality.

05

Significantly enhance supplier guidance efforts by introducing specialized training courses on process quality standards. This initiative will empower suppliers to elevate their product quality awareness and manufacturing capabilities, ensuring raw materials and components meet stringent quality requirements from the supply chain's source. It will drive collaborative quality improvement across the industrial chain, a total of 12 supplier quality improvement training sessions were conducted in 2025

03

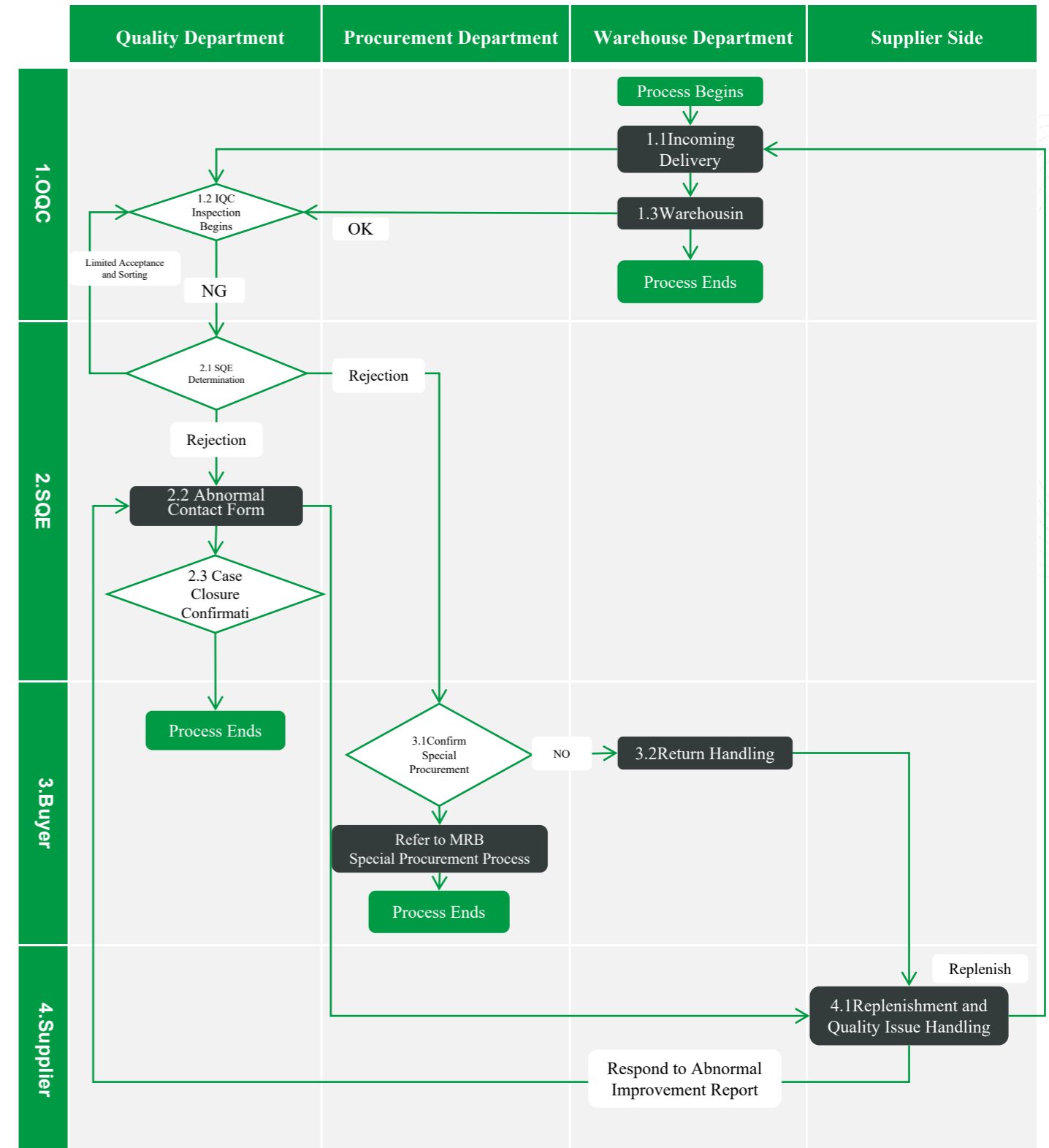
The successful integration of equipment and personnel traceability modules into the MES system has significantly enhanced the precision and depth of quality control. Leveraging advanced information technology, the system enables rapid root cause analysis when quality issues arise, accurately identifies responsible parties, and promptly initiates targeted corrective actions, thereby effectively mitigating quality risks.



Quality Management System Certification

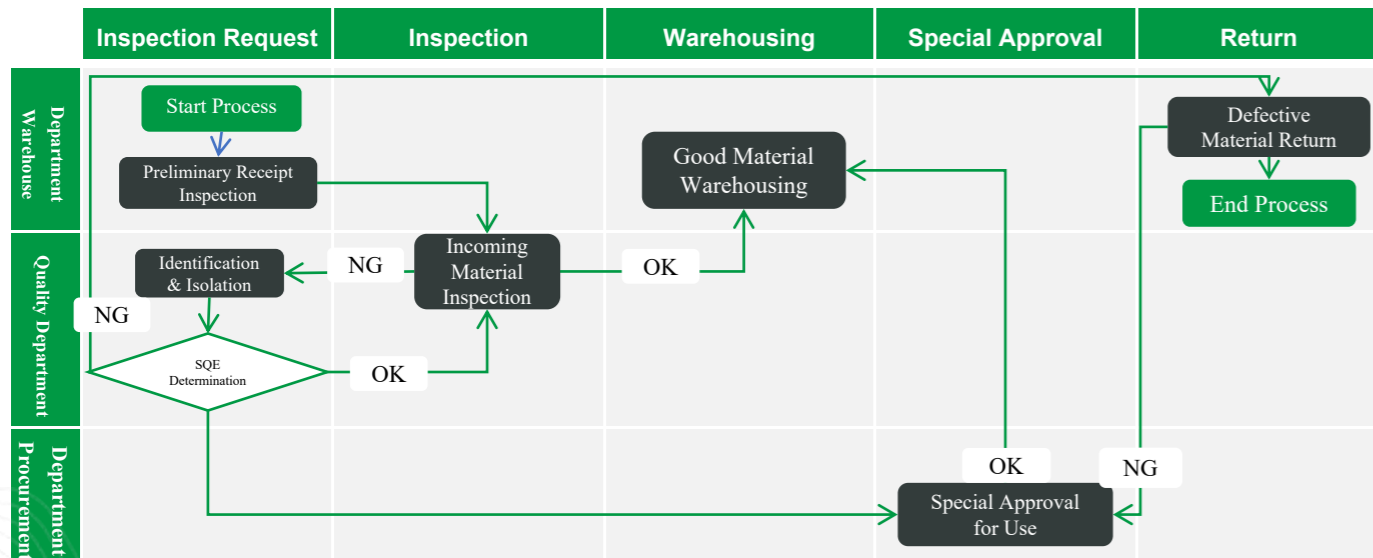
► Incoming material Anomaly Handling

OPT established a streamlined anomaly resolution workflow via the OA system, utilizing the Incoming material Inspection Anomaly Form and Process Anomaly Form to address and rectify non-conforming material. These workflows enable thorough root cause analysis and preventive action planning. Dedicated personnel follow up on corrective measures to ensure closure and prevent recurrence.

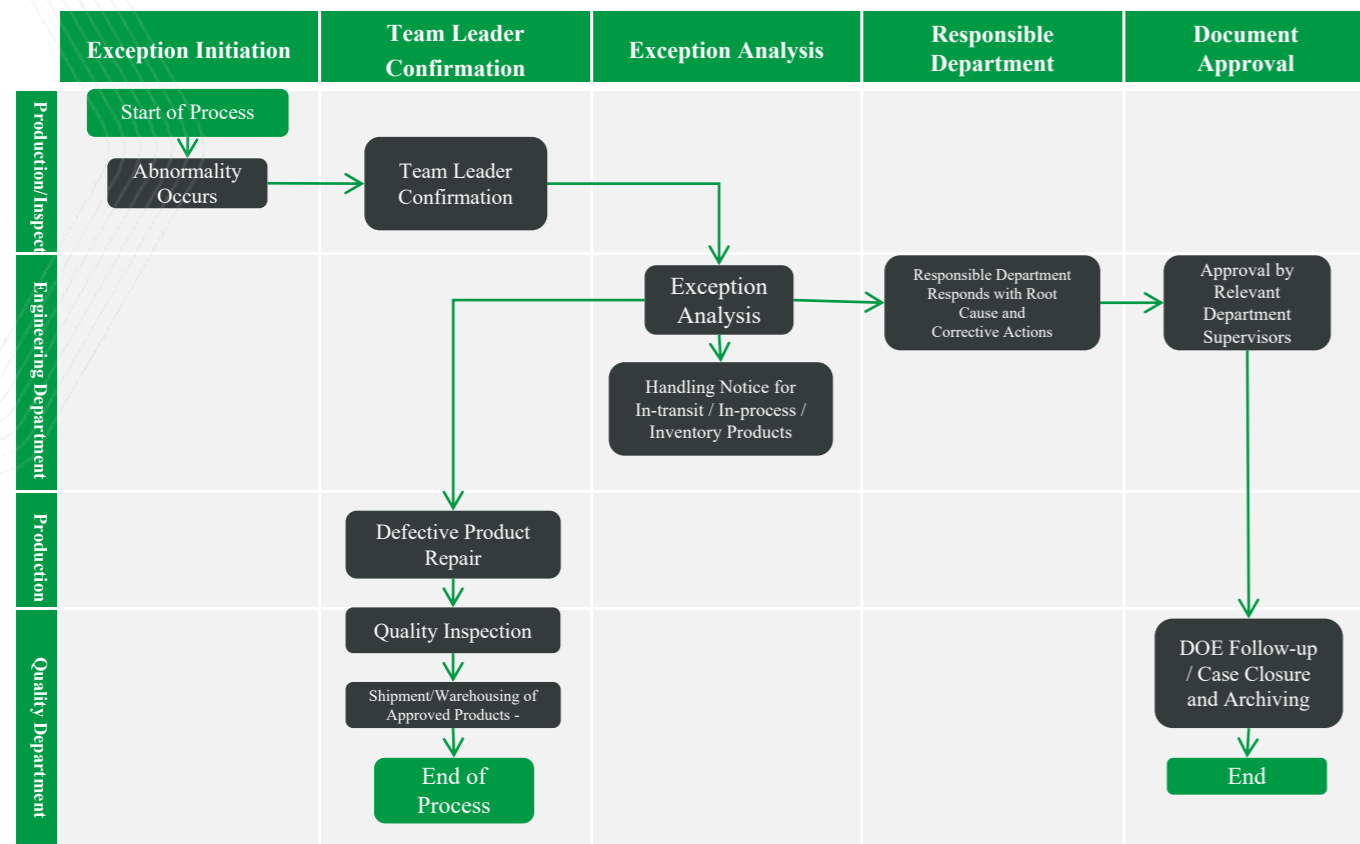


► Non-Conforming Product Control

OPT enforces the Non-Conforming Product Control Procedure, and all incidents are managed in accordance with the Quality Anomaly Management Policy. Employees receive dedicated training focused on proper handling of non-conforming products. Training covers rework procedures, special approvals, identification and segregation techniques, and failure severity assessments. Root cause analysis extends to upstream inventory checks and supplier batches. When customer-affecting issues are identified, immediate communication is triggered. This approach strengthens workforce capability and safeguards product integrity.



Incoming Material Inspection Exception Flowchart



Process Exception Report Flowchart

02 Advancing Product Certifications

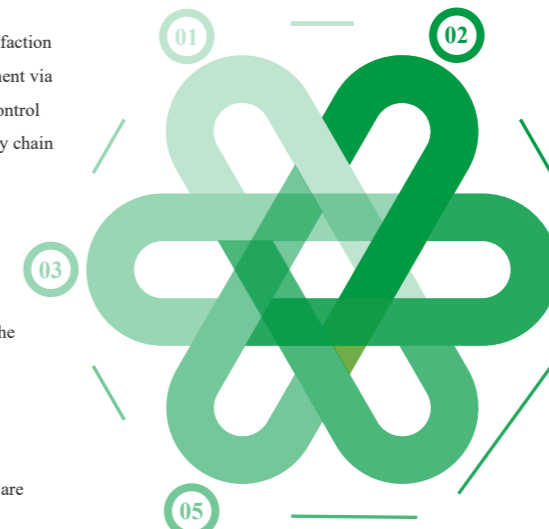
OPT has established a rigorous and standardized manufacturing system, ensuring that every process step aligns with operational safety and eco-efficiency principles. The company successfully obtained certification under the EMVA1288 standard from the European Machine Vision Association, aligning product performance testing standards with the international cutting-edge level. Additionally, OPT proactively advances environmental certifications across all headquarters and subsidiaries, securing national fire safety certifications and ensuring that waste disposal practices comply fully with legal requirements. No penalties or regulatory actions were issued by governmental authorities during the reporting period.

Customer Service and Supply Chain Strategy:

Collect customer feedback through the Customer Satisfaction Control Procedure, optimize supply chain management via the Supplier Control Procedure and Procurement Control Procedure, enhance customer satisfaction and supply chain stability, and support market expansion strategies.

Risk Identification and Evaluation:

The scope of risk identification is defined through the Risk and Opportunity Management Procedure, covering areas such as quality, safety, environment, and supply chain. In conjunction with the Hazard Identification, Risk Evaluation, and Management Procedure, hazards in the field of production safety are specifically identified, forming a risk inventory and conducting graded evaluations.



Product Innovation Strategy:

Leveraging the New Product Development Control Procedure, Controller/Reader New Product Development Procedure, and Lens New Product R&D Control Procedure, we advance core product R&D in optical imaging and controllers. This clarifies new product development processes and supports our technological innovation strategy. Quality Assurance Strategy: Centered on the "Product Inspection Control Procedure," "Nonconforming Product Control Procedure," and three-tier inspection documents (e.g., "Incoming Inspection Management Measures," "Outgoing Inspection Management Measures"), establish comprehensive quality control across the entire "incoming - in-process - outgoing" workflow to ensure product quality and uphold brand reputation.

Risk Response Measures:

Develop specialized response plans for different risk types. For instance, quality risks are addressed through the Nonconforming Product Control Procedure, emergency risks are managed by establishing response plans based on the Emergency Preparedness and Response Control Procedure, and supply chain risks are mitigated by ensuring material supply through the Material Safety Stock Management procedure.

Monitoring and Improvement:

Continuously monitor the effectiveness of risk responses through the Monitoring and Measurement Control Procedure and the Environmental Monitoring and Measurement Control Procedure. In conjunction with the Nonconformity, Corrective, and Preventive Action Control Procedure, develop preventive measures for unresolved risks and dynamically optimize the risk management system.

Objectives and Metrics

Throughout company's operations in 2025, the company successfully maintained a flawless record with zero product safety and quality incidents as well as major liability accidents, and achieved its annual quality objectives. The company's products primarily serve industries including consumer electronics, lithium batteries, semiconductors, automotive, and photovoltaics. During the reporting period, revenue from the Company's renewable energy-related products and energy efficiency-related products exceeded RMB 370 million, accounting for more than 29% of the Company's total operating revenue.

Consumer Electronics Applications

OPT Smart Sensors integrate cutting-edge optical technology, high-end chips, extensive algorithm libraries, and proprietary software. Leveraging high-speed and high-precision capabilities, they enable rapid and accurate situational awareness and detection during critical manufacturing processes, enhancing production line quality and efficiency. Through high-precision 3D scanning and industrial AI processing, they capture relative positional data of modules and adhesive paths. This information guides robots to perform tasks such as AOI defect detection, adhesive path guidance, and dispensing quality analysis. This approach effectively reduces manual operational errors and product defect rates while boosting production efficiency and product quality.

Lithium Battery Applications

As a global core component supplier for visual inspection in lithium battery cell manufacturing, OPT Vision's applications now cover the entire lithium battery production process. By deeply integrating multi-dimensional vision technologies including 2D, 3D, and industrial AI, we have overcome critical industry inspection challenges in key processes. These include detecting burrs on electrode sheet edges, inspecting tab welding appearance, and examining blue film appearance on battery cells—achieving major breakthroughs with zero missed defects and extremely low false-positive rates. By leveraging 3D sensing to capture workpiece data and employing advanced algorithms for precise defect detection, we have reduced missed inspection rates by over 50% at critical workstations for renowned lithium battery manufacturers.

Semiconductor Applications

OPT machine vision products find extensive application in the semiconductor industry, primarily in scenarios such as wafer inspection, chip packaging inspection, and chip appearance inspection. For instance, AOI inspection equipment utilizes advanced optical imaging systems—including high-resolution cameras, precision optical lenses, and light sources—to detect minute defects on chips, such as particle contamination, scratches, twins, and standing crystals. By delivering stable and reliable vision solutions, the company helps the semiconductor industry enhance production efficiency and product quality.

Automotive Applications

OPT has developed a range of advanced machine vision products and solutions to empower intelligent automotive manufacturing, which have been widely applied on industrial automation production lines. These products and solutions cover the core process segments of automotive manufacturing, including adhesive dispensing systems, workpiece presence detection, vision-guided systems, visual quality inspection systems, and online measurement systems.

Photovoltaic Applications

OPT has successfully integrated its smart code reader products into multiple process stages of the photovoltaic industry, including silicon wafers, slicing, cells, and modules, achieving full-process information traceability. Taking photovoltaic module production as an example, OPT's smart code readers can effectively address barcode reading challenges in processes such as film lamination, hot pressing, and lamination.

Empowering Brand Promotion Innovation

OPT deeply integrates the ESG sustainable development philosophy into the entire marketing process. With the construction of a compliant marketing system as the foundation, customer value enhancement as the core, and industry collaborative development as the orientation, the Company achieves coordinated development between marketing operations, environmental, and social values through systematic marketing implementation, diversified brand operations, and comprehensive customer service, while building diverse channels for disseminating the Company's ESG philosophy.

01 Establishing a Comprehensive Responsible Marketing Management System

To practice ESG principles and uphold business ethics and compliance bottom lines, the Company has established a responsible marketing management system covering all entities and full processes, tailored to the characteristics of the machine vision industry and global operations needs, embedding compliance requirements throughout all marketing activities.

01

Strict Compliance with Laws, Regulations, and Industry Initiatives

The Company strictly complies with relevant laws and regulations, including the Advertising Law of the People's Republic of China, the Measures for the Administration of Internet Advertising, the Anti-Unfair Competition Law of the People's Republic of China, the E-Commerce Law of the People's Republic of China, and the Personal Information Protection Law of the People's Republic of China. It continues to standardize its marketing practices and customer information management, clearly defining compliance boundaries for marketing activities and strictly prohibiting false or misleading publicity, disparagement of competing products, and the unlawful acquisition or use of customer information, so as to ensure that marketing content is truthful, accurate, and transparent, and that customer leads are obtained through lawful and compliant channels. At the same time, the Company actively follows industry initiatives and relevant standards, and upholds the principles of verifiability and traceability in marketing information. It ensures that technical parameters such as frame rate and resolution are presented accurately, with clear conditions and verifiable results. Customer cases are cited in a truthful and prudent manner, and where desensitization has been applied, this is clearly indicated. In addition, the Company makes reference to relevant national standards and industry association standards in fields such as machine vision and industrial cameras, so as to maintain the standardization and consistency of marketing content in terms of terminology, metric definitions, and professional expression.

02

Establishing Four Core Marketing Principles

Applicable to the Company and all wholly-owned and controlled subsidiaries, as well as external partners, the core principles include: Compliance and Integrity Principle (marketing information must be true, accurate, complete, and verifiable); Value Synergy Principle (marketing incorporates green development and intelligent manufacturing concepts aligned with the "dual carbon" strategy); Responsibility Extension Principle (extending responsible requirements to the entire marketing chain of partners); Stakeholder Orientation Principle (safeguarding customers' right to know and choose, responding to reasonable demands from all parties).

03

Establishing a Three-Level Marketing Content Review Mechanism

A hierarchical review system is built: initial review by business departments, secondary review by compliance and legal departments, and final review by management. Business departments ensure content alignment with reality; compliance and legal departments screen legal risks; management conducts final review for major activities such as global exhibitions and core product launches, ensuring marketing content highly aligns with the Company's ESG strategy and brand positioning.

02 Building Diverse Channels for ESG Philosophy Dissemination

In 2025, the department completed full-category marketing content upgrades, large-scale marketing event execution, benchmark showroom construction, and other work, forming a systematic marketing vehicle to support the dissemination of the Company's ESG philosophy and technological achievements. Specific results are as follows:

01

Systematic Output and Update of Marketing Content

Completed updates to single-product brochures and comprehensive catalogs for full product lines including 3D cameras, code readers, smart cameras, etc., as well as production and final approval of key account materials; completed PPT production for ten product lines and updated the 2025 catalog. Throughout the year, a total of 31 articles were published on the Company's official WeChat account, with an average readership of 1,901 and an average of 111 shares per article. In addition, 74 short videos were reviewed and released, with total views across Douyin, WeChat Channels, and Bilibili exceeding 1 million. Also completed special marketing content outputs including 2026 calendar copy planning, intelligent manufacturing case collection, industrial AI large model external promotion, and industry case compilation.

02

Large-Scale Execution of Major Marketing Events

Successfully held a 300-person Dongguan headquarters equipment supplier conference and a 500-person OPT 2025 Industrial Vision · Sensing · Motion Control & Embodied Intelligence Product Launch; established a touring ecosystem partner conference system, completing events in Dongguan, Chengdu, Wuhan, Beijing, and Suzhou stations, with Dongguan station providing execution guidance templates and Chengdu station completing initial template validation. Successfully hosted technical system product knowledge competitions and overseas product knowledge competitions, and smoothly received visits from multiple industry organizations including the Machine Vision Alliance, Robotics Association, and Hainan IVSM.

03

Suzhou Advanced Vision Showroom built from scratch and put into use

opening for first visits in June 2025; promoted 71 solution cases from review to on-site commissioning and debugging; completed writing of showroom videos, display boards, and other content, as well as visitor flow design and explanation plans, becoming an offline benchmark window for showcasing the Company's technological achievements and ESG philosophy.



OPT 2025 Industrial Vision, Sensing, Motion Control & Embodied



Germany Office Open Day Event



Germany Office Open Day Event



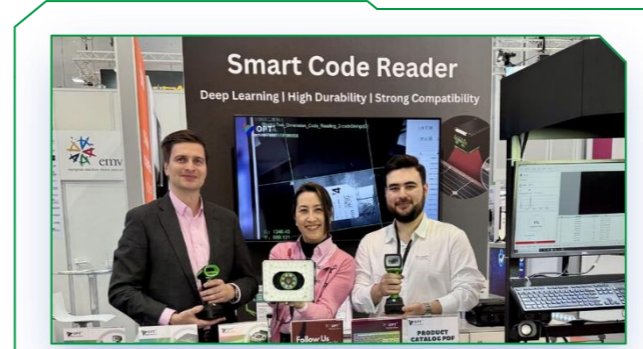
Thailand Automation Seminar



A3 Automate North America



Automatica automatica Munich, Germany



LogiMAT Germany



Korea Vision Show



Yokohama Exhibition, Japan



Auto Shanghai



Taipei Automation Exhibition



Lijia International Intelligent Equipment Exhibition, Chongqing



Control – International Trade Fair for Quality Assurance

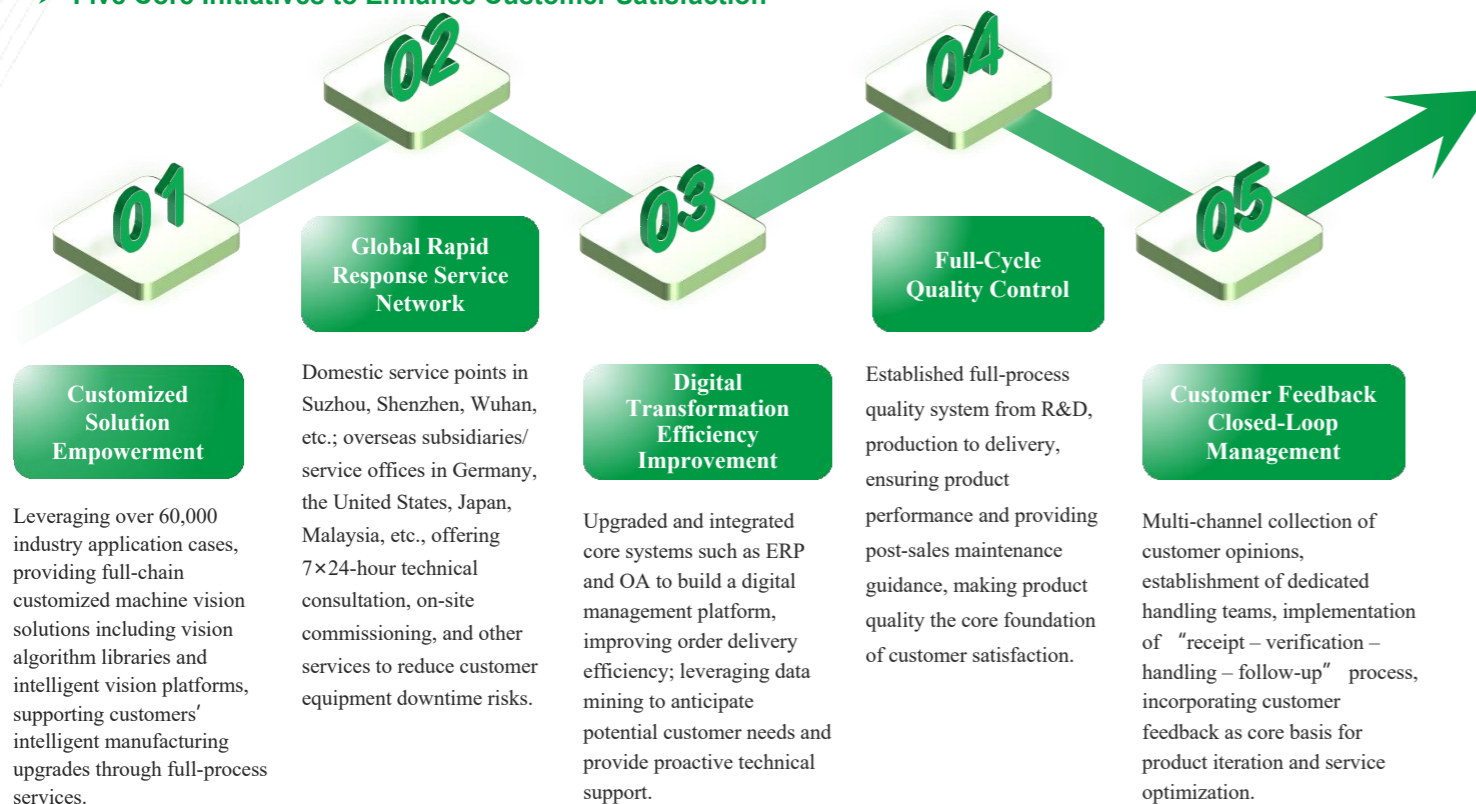


Bangkok Exhibition, Thailand

03 Focusing on Customer Satisfaction and Fulfilling Customer Service Responsibilities

Maintaining customer rights and enhancing customer experience are the core directions of the department’s ESG work. Through multi-dimensional measures to improve customer satisfaction, while specially advancing customer rights protection and service upgrades, the Company effectively safeguards customer interests.

➤ Five Core Initiatives to Enhance Customer Satisfaction



Customer Satisfaction Survey



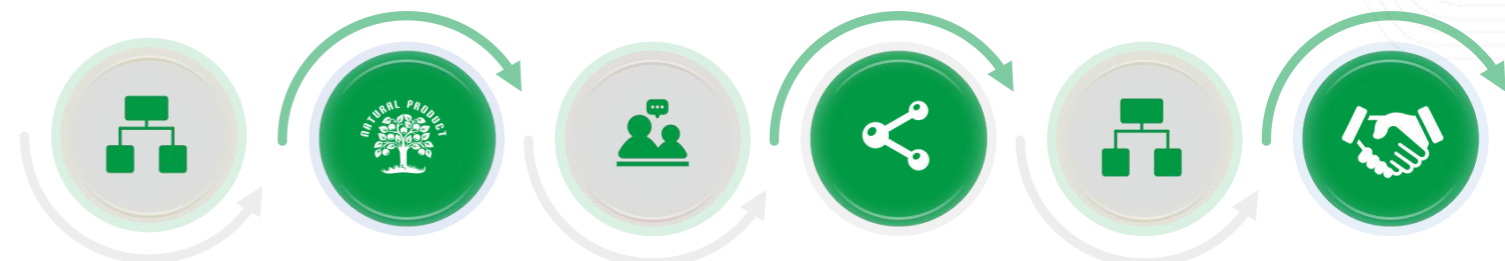
➤ Due to the inclusion of personalized customer evaluations, scores, and other core information involving commercial secrets and privacy, in compliance with the Personal Information Protection Law and fulfillment of confidentiality commitments, specific 2025 customer satisfaction data is not disclosed externally. The Company will present the implementation effectiveness of related initiatives to stakeholders in a non-confidential, aggregated form, with customer satisfaction reaching 92.14 points.



Conducted customer rights protection promotion:

- In 2025, nearly 10 related activities were organized through industry salons, ecosystem touring events, etc., covering over 1,200 customers and effectively enhancing customers’ industry right to know.
- Built a digital marketing service platform: Integrated technical cases, online consultation, and other resources; platform visits exceeded 3.4 million in 2025, with customer inquiry response efficiency improved by 40% compared to previous levels.

04 Promoting Industry Collaboration and Practicing Sustainability Responsibilities at the Industry Level



Took the lead in establishing the Dongguan New Generation Artificial Intelligence Innovation Consortium, promoting deep integration and implementation of AI technology and the machine vision industry.

Taking industry ecosystem building as the entry point, the Company assists the overall development of the machine vision industry through ecological cooperation, industry events, and technical collaboration, fulfilling its ESG responsibilities on the industry side.

Actively responded to calls from industry associations by hosting a series of activities including machine vision industry application tours, technical exchanges, and enterprise mutual visits, building platforms for industry exchange and cooperation.

Used equipment supplier conferences, ecosystem partner conferences, and other events as vehicles to construct an industry ecosystem cooperation system, promoting resource sharing and collaborative development within the industry.

Deepened the construction of a technical ecosystem closed loop by completing the acquisition of 51% equity interest in Dongguan Tailai Automation Technology co.,Ltd, further improving the full technical synergy system of “vision – sensing & motion control + AI”

Deeply collaborated with industry enterprises. to empower quality and efficiency improvements in subdivided areas like logistics automation sorting, driving intelligent upgrades in industry application scenarios.

05 Building Brand Value and Diversifying the Dissemination of ESG and Social Responsibility Concepts

In 2025, leveraging its superior products and brand strength, the Company won multiple prestigious industry awards while operating diversified self-media platforms to combine product technology dissemination with social responsibility promotion, comprehensively conveying the Company’s ESG philosophy.

- **Product Side:** The XYR Precision Three-Axis Direct-Drive Motor was awarded the “2025 Most Competitive Innovative Product in Direct-Drive Field” by China Transmission Network CDDIA Award.
- **Enterprise Side:** The Company received two major honors from China Industrial Control Network: “Top 50 Brands in China Automation + Digitalization Annual” and “Overseas Pioneer Enterprise Award.”



01 To Upstream Suppliers: Stable Cooperation and Technological Symbiosis

With twenty years of industry accumulation and six core technologies in optics, structure, etc., OPT relies on its full-stack product matrix for R&D and production needs, establishing stable supply chain partnerships with upstream suppliers and empowering Small and Medium-sized Enterprise Suppliers, including small and medium-sized enterprises. At the same time, focusing on the full machine vision industry chain technology R&D, OPT conducts technical collaboration with upstream partners, reversely driving their product and technology upgrades, achieving technological symbiosis and win-win outcomes, and solidifying the industrial technology foundation.

02 To Downstream Customers/Integrators: Deep Empowerment and Value Co-Creation

- ① **Deep Technical Empowerment**
OPT has built a full-stack product matrix covering vision · sensing · motion control · AI + embodied intelligence, realizing a perception–judgment–execution application closed loop and providing standardized integration solutions to reduce costs and improve efficiency. Full hardware and software openness and compatibility support mainstream software, platforms, and hardware, with developer mode enabled to empower partners in customizing differentiated products. The Company opens 2D–2.5D–3D full-dimensional vision inspection technologies and full-scenario solutions, sharing over 30,000 engineer-station hours and 400+ automated line real-world experience.
- ② **Comprehensive Resource Support**
OPT opens customer resource pools and business opportunity channels for collaborative customer public relations. For forward-looking fields, it forms specialized technical teams with partners, sharing R&D resources to accelerate project implementation. Domestic stations cover cities including Dongguan, Chengdu, Suzhou, Wuhan, and Beijing; international stations include Tokyo (Japan), Stuttgart (Germany), Penang (Malaysia), Seoul (Korea), and California (United States).
- ③ **Value Co-Creation**
Focusing on four major industries—3C, lithium batteries, etc.—OPT launches “vision + sensing + motion control + AI” multi-in-one integrated solutions, achieving 15% efficiency improvement and 30% cost reduction. It develops adaptive AOI platforms, semiconductor wafer inspection, and other customized solutions to address core industry pain points. The Company builds a deep value-aligned ecosystem cooperation system, clearly defining cooperation models and implementation paths, joining hands with partners to make breakthroughs in segmented fields, driving intelligent manufacturing upgrades, and realizing long-term stable development.

Building a Solid Foundation for Supply Chain Management

As a member of the Responsible Business Alliance (RBA), OPT places high importance on supply chain risk management and is committed to ensuring the security and stability of its supply chain. The Company has established clear supply chain risk management objectives: to build a comprehensive supplier management mechanism that ensures the quality of procured products and services, reduces supply chain risks, and promotes sustainable development of the supply chain. To achieve these objectives, the Company has formulated relevant policies and specific plans, including the Basic Procurement Contract, Supplier Control Procedures, Procurement Control Procedures, and others, covering ongoing improvement of related systems, strengthened supplier management and training, and establishment of effective risk response mechanisms. In 2025, the Company was selected as one of the Outstanding Practice Cases for Sustainable Supply Chain in Chinese Enterprises.



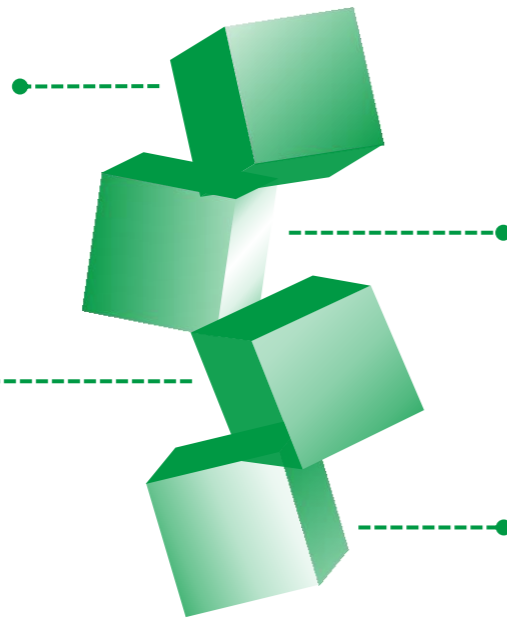
Certificate of Sustainable Supply Chain Practices for Chinese Enterprises

01 Supply Chain Risk Management

In 2025, the proportion of suppliers signing ESG-related agreements reached 91%, an increase of 1 percentage point compared to the previous year. The Company conducted 12 supply chain management-related training sessions, enhancing suppliers' ESG awareness and management capabilities. No major product quality or delivery issues arose due to supplier problems, thereby safeguarding product quality and reputation while improving the stability and competitiveness of the supply chain.

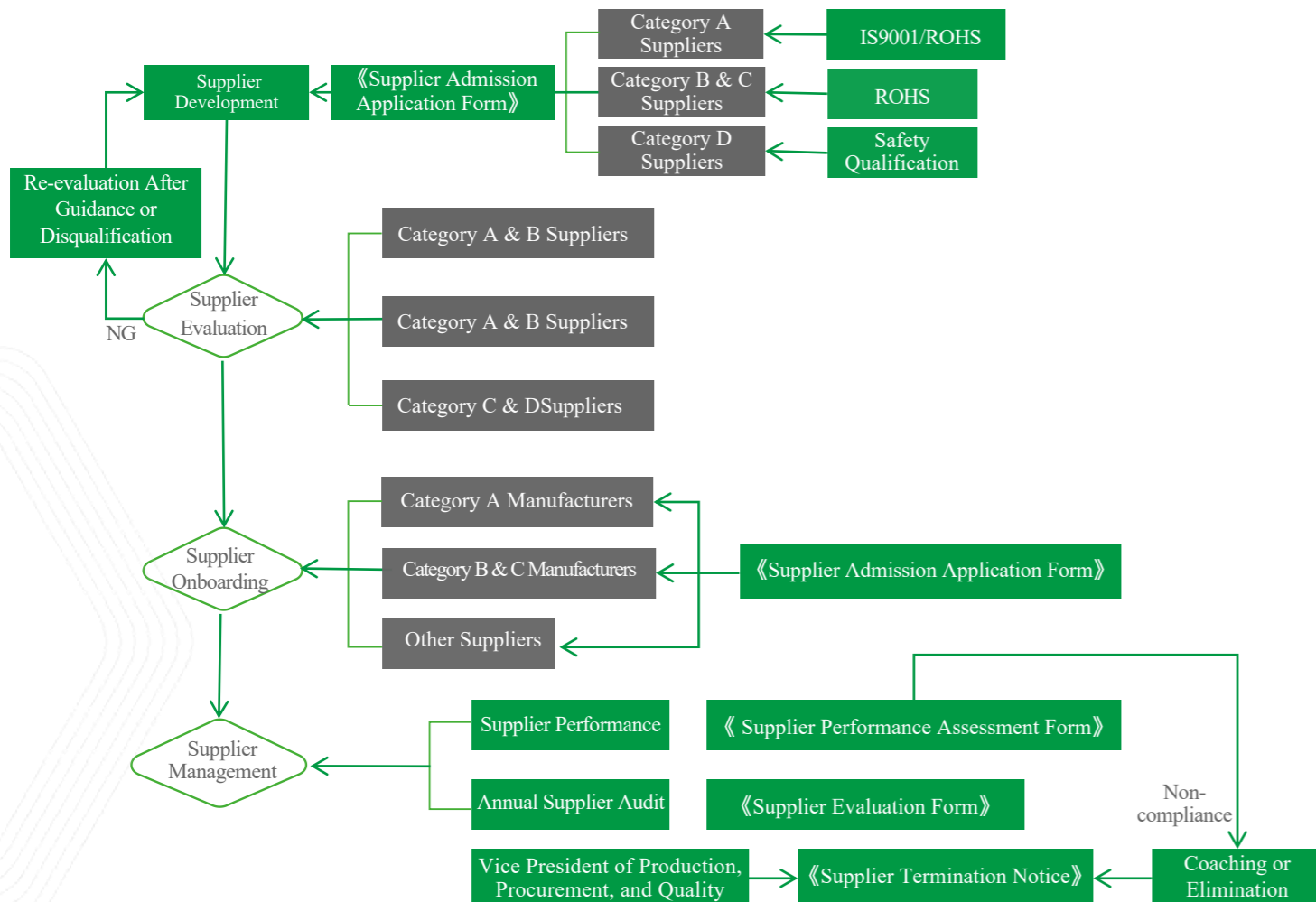
The Company has formulated and continuously revised documents such as the Basic Procurement Contract, Supplier Control Procedures, and Procurement Control Procedures, establishing a comprehensive supplier management mechanism. During the supplier admission stage, a thorough review is conducted of suppliers' ISO 9001, RoHS, or safety qualifications, with priority given to suppliers that emphasize environmental protection, social responsibility, human rights, and sustainable development, thereby reducing cooperation risks from the source. In 2025, a total of 35 suppliers were added to the Company's qualified supplier list, bringing the number of core suppliers to 427.

Documents such as the Supplier Admission Application Form, Supplier Assessment, and Supplier Evaluation Form have been formulated to strengthen effective control and management of suppliers. Suppliers are required to sign the Environmental Protection and Occupational Health Notification Letter to promote ESG concepts, and to sign integrity commitment letters to ensure clean and fair cooperation. In major procurement projects, multi-party participation and supervisory audits are introduced to guarantee compliance throughout the procurement process.



A strict supplier assessment and evaluation system has been established, with quarterly and annual assessment plans formulated in accordance with the Supplier Rating Management Specification. Quarterly assessments are conducted on quality, cost, technology, delivery, hazardous substances free (HSF), and social responsibility; annual audits focus on environment, health, and safety. Suppliers are classified into A, B, C, and D grades for differentiated management. Nonconforming suppliers are required to implement corrective actions, and those that fail to rectify are terminated. In 2025, a total of 18 supplier audits were conducted, effectively safeguarding suppliers' quality levels.

When suppliers experience major quality, delivery, environmental, or social violations, they are promptly removed from the supply chain system to minimize adverse impacts.



02 Supply Chain Security Assurance

01 Technological Innovation

The Company leverages its own technological advantages to assist suppliers and industry partners in upgrading resources and advancing capabilities. Through technical exchanges and collaboration, it improves suppliers' production technology levels and product quality, thereby enhancing the overall strength of the supply chain. For example, in certain key technology areas, the Company jointly develops with suppliers to improve product performance and quality, ensuring the security and stability of the supply chain.

02 Management Innovation

The Company integrates responsible procurement principles throughout the entire procurement process. It organizes Supplier Quality Engineers (SQE) to conduct regular evaluations of suppliers in accordance with the Supplier Performance Evaluation Form, including on-site inspections and documentary audits. The assessment covers multiple aspects such as quality systems, production capabilities, delivery performance, cost and pricing, etc. Through these evaluations, suppliers are prompted to continuously improve and elevate their standards, enabling the Company to secure stable, high-quality, and cost-effective products and services, thereby strengthening supply chain advantages.

03 Supplier Training

In 2025, the Company conducted a series of targeted supplier training activities. The training content covered raw material control, processing procedure standardization, abnormal issue handling, and quality standards, among other topics. Through these trainings, suppliers improved their capabilities in raw material selection, processing operations, and problem resolution, effectively ensuring the quality stability of the entire supply chain and promoting its sustainable development.

Key Performance Indicators

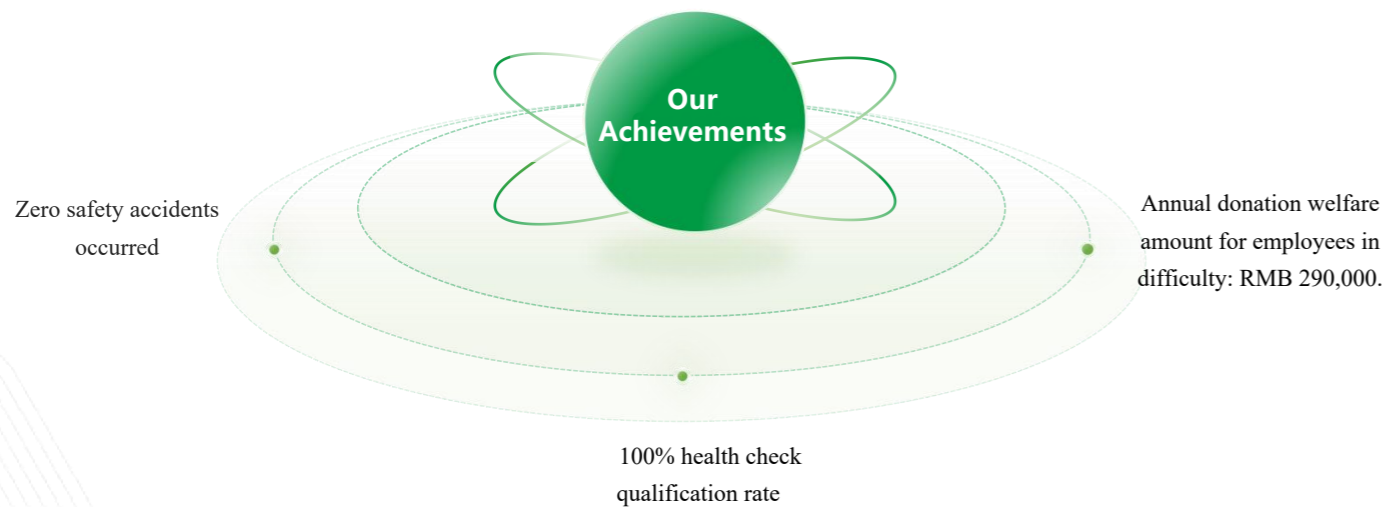


Note: Only includes core suppliers of the company, i.e. frequently cooperating suppliers

05

Mutual Growth of Enterprise and Employees – Jointly Creating Value

- Attracting and Developing Talent
- Safeguarding Health and Safety
- Ensuring Rights and Benefits
- Supporting Employee Growth
- Deepening Employee Care
- Contributing to Social Development

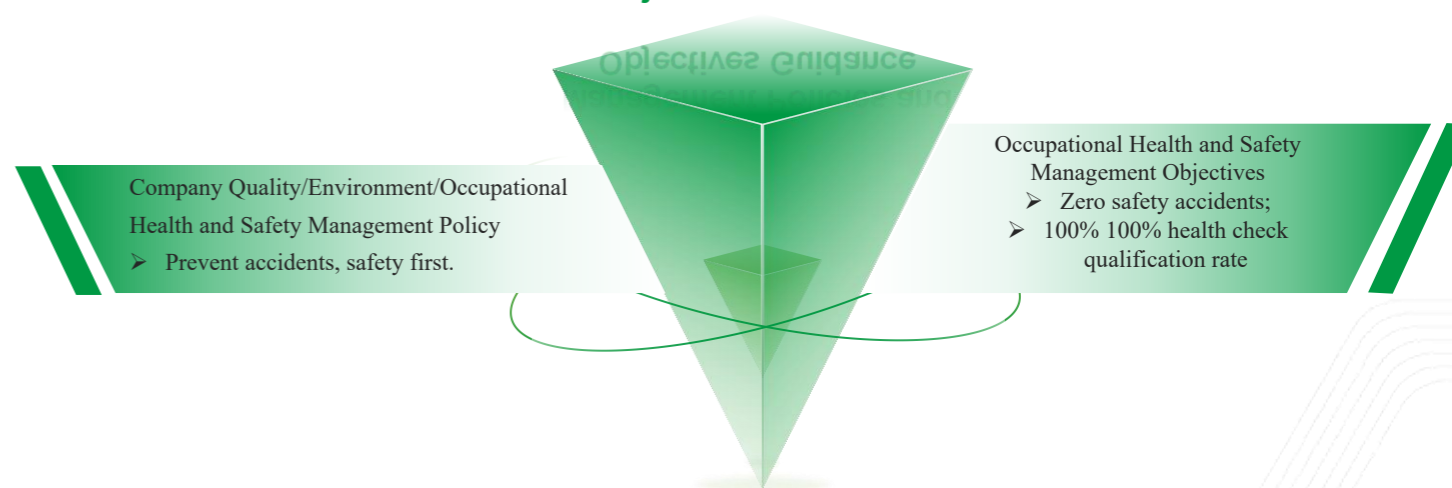


02 Talent Reserve

Through active school-enterprise cooperation, strengthening fairness and transparency in recruitment processes, and promoting the sharing and dissemination of technical knowledge, the Company demonstrates its comprehensive commitment to environmental, social, and governance aspects. By establishing close ties with higher education institutions and vocational training organizations, the Company creates diversified internship and training programs that not only provide students with valuable practical opportunities to accumulate real-world work experience during their studies but also supply the Company with outstanding talent equipped with professional skills and adaptability. This cooperation model effectively promotes deep integration of education and industry, cultivating more high-quality skilled talent for society. Through these initiatives, the Company has made significant contributions in technological innovation and talent cultivation, while actively advancing industry standards and social responsibility, showcasing its positive practices in the ESG field.

Safeguarding Health and Safety

Management Policies and Objectives Guidance



Attracting and Developing Talent

01 Recruitment and Talent Development

The Company actively practices ESG principles in recruitment, ensuring compliance, fairness, and transparency in hiring procedures. To this end, the Company has formulated the Employee Recruitment Management Measures and Labor Protection Management Measures, which cover recruitment policies and procedures, establishment of fair recruitment and evaluation mechanisms, adherence to non-discrimination principles, and strengthening of transparency and record management. With the deep application of machine vision products and solutions in intelligent manufacturing, a large number of high-skilled positions have been created. OPT collaborates with various universities, colleges, and industry alliances to conduct multiple vision industry training sessions, helping frontline workers transition from repetitive operations to intelligent collaboration, achieving resonance between personal value realization and industrial upgrading. In terms of talent recruitment and promotion of social employment, the Company has built a complete system dedicated to opening broad career channels for local community labor. The Company values talent diversity and potential, ensuring fair competition in recruitment and promoting the joint elevation of individual and social value. In particular, the Company gives preference to rural job seekers, providing them with abundant employment and training opportunities, and strengthens cultivation of rural students to contribute to rural revitalization. For example, the Company maintains close cooperation with Dongguan Electromechanical Engineering School and Electronic Technology School to jointly prepare the construction of internship bases. In addition, the Company designs meticulous onboarding training courses for every new employee to ensure they quickly integrate into the team and perform effectively. For incumbent employees, the Company also implements ongoing and regular training plans to continuously improve their professional skills and overall quality.

01 Management Strength

OPT attaches great importance to employees' occupational health and safety, upholds the concept of sustainable development, and actively introduces and adheres to the ISO 45001 Occupational Health and Safety Management System standard. In 2025, the Company continued to maintain ISO 45001 Occupational Health and Safety Management System certification and remained compliant in subsequent periodic audits, demonstrating its standardization and stability in occupational health and safety management.



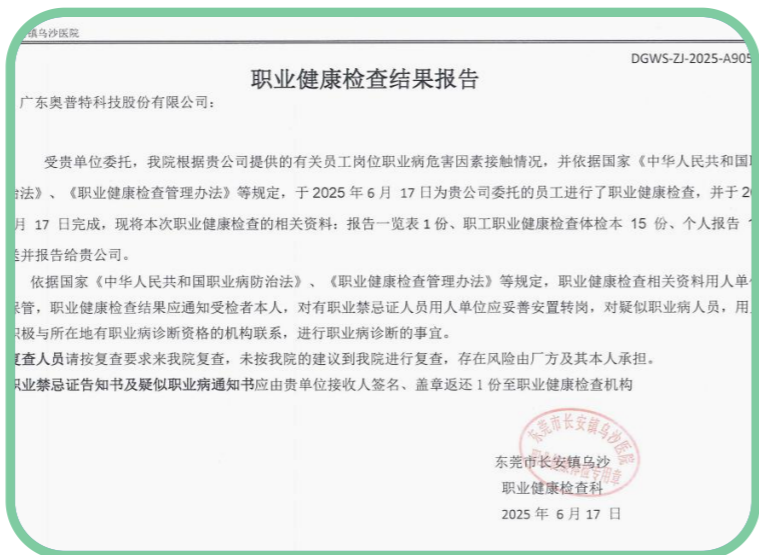
02 Environmental Testing

The Company places high importance on environmental quality monitoring, with particular focus on air and noise-related testing. Professional testing results show that all tested samples fully comply with the corresponding testing standard requirements across all items.



03 Occupational Health

For positions identified with occupational hazards—such as soldering stations (exposure to soldering fumes), board washing positions (exposure to board washing water odors), and equipment operation positions (exposure to equipment noise and tin dipping)—the Company strictly complies with laws and regulations by 100% providing labor protection supplies, implementing corresponding protective measures, and regularly organizing occupational health check-ups with full coverage of testing items. No occupational diseases occurred in 2025.



Fire Safety Knowledge Training



Emergency Evacuation



Hands-on Training



Orderly Dismissal



Fire Extinguisher Practical Operation



Fire Extinguisher Practical Operation

04 Production Safety

> Safety System Assurance

The Company has formulated documents and systems including the Health and Safety Operation Management Procedures, Production Safety Management Procedures, Notice and Execution Requirements for Company Safety Hazard Investigation, OPT Fire Rescue Emergency Plan, and OPT Occupational Health Emergency Plan.

> Safety Training and Drills

- ◆ To enhance employees' emphasis on fire escape safety knowledge and improve the Company's emergency response and organizational capabilities against sudden incidents, the Company conducted a special training session on "Fire Safety Knowledge Training" during the 2025 Fire Safety Month. The content included: how to prevent fires, classification of fires, classification of fire extinguishers, fire extinguisher usage methods, recognition of fire facilities, emergency fire response, escape principles, and fire facility control requirements. Meanwhile, the Company organized two fire emergency drills, covering on-site simulated fire evacuation and escape, hands-on operation of fire extinguishers and fire hoses, and the use of outdoor fire hydrants, thereby further enhancing employees' fire safety awareness and emergency response capabilities.
- ◆ Chemical Leakage Drill: In 2025, the Company conducted one annual chemical leak prevention emergency drill in the production workshop. In strict accordance with the requirements of the chemical leak prevention emergency drill plan, the Company convened a dedicated meeting prior to the drill to review and arrange the drill procedures, clarify the respective tasks, and put forward specific requirements and precautions, so as to ensure the orderly implementation of the drill and the achievement of effective results.

► Key Performance Indicators

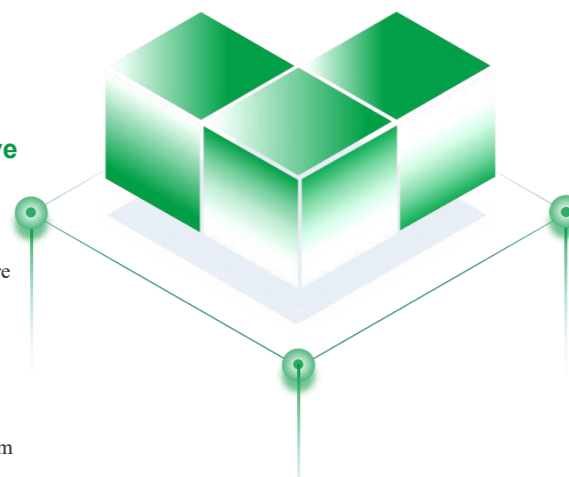
Indicators	Unit	Data (as of the end of December 2025)
Workplace injuries/accidents due to improper chemical use or management	cases	0
Chemical safety training participants	people	16
Work-related injury rate	%	0.5

Ensuring Rights and Benefits

OPT focuses on technology R&D and product planning, leveraging its strengths to solidify its market position. The Company pays social insurance and housing provident fund contributions for all employees in accordance with the law, effectively safeguarding employees' basic social security rights and actively fulfilling its social responsibility to promote employment. The Labor Protection Management Procedures explicitly prohibit the recruitment of child labor and impose strict regulations on the management of underage workers. During the reporting period, no major labor disputes occurred.

Creating an Equal and Inclusive Workplace Environment

The Company is committed to fostering a harmonious yet diverse workplace atmosphere and comprehensively safeguards employees' legitimate rights. From management, culture, and practices, the Company respects and protects employees' rights to equal opportunities, freedom of association, freedom of expression, and other rights, strictly protects personal privacy, resolutely eliminates all forms of unfair treatment, and prohibits the employment of child labor and forced labor. OPT strictly complies with the laws and regulations of the countries where it operates as well as core international labor conventions of the International Labour Organization, upholds the core value of "people-oriented," and actively cultivates a vibrant, united, and collaborative corporate culture. The Company deeply advances human rights protection internally, integrating respect for human rights into the entire business process, and has established complaint and reporting channels to promptly respond to and handle employee issues.



Strictly Implementing Anti-Discrimination Policies

The Company has formulated policies such as the Anti-Discrimination Management Measures, Management Measures for Free Choice of Employment, Employee Religious Belief Survey Form, and Women's Protection Management Measures to ensure fairness and justice in the recruitment process and eliminate discrimination. In all stages including hiring, compensation, training, promotion, rewards, salary payment, termination, or retirement, discrimination or harassment based on race, ethnicity, skin color, social status, nationality, age, pregnancy, disability, gender, sexual orientation, marital status, religious belief, political affiliation, membership in associations, veteran status, protected genetic information, or membership in employee representative committees is strictly prohibited.

Scientifically Implementing Performance Management

The Company has built a scientific and reasonable performance management system, conducting monthly assessments for managers in the production and R&D systems and quarterly assessments for all employees. At the same time, a continuous improvement mechanism has been established to closely align with the achievement of the Company's strategic objectives, with relevant changes promptly communicated to employees.

The assessment philosophy focuses on optimizing management and business processes as the starting point, enhancing organizational and individual capabilities as a key means, and ensuring effective implementation of the Company's strategic goals as the ultimate orientation, comprehensively driving overall performance improvement.

To ensure the scientific nature and adaptability of the performance assessment mechanism, updates will be made in the following circumstances: overall planning adjustments or strategic direction changes by the Company; redefinition or adjustment of the work scope for assessed personnel by superiors; changes in the assessed personnel's position or job responsibilities; discrepancies between assessment results and actual work performance requiring optimization of indicators, rules, and scoring standards.

Supporting Employee Growth

Internal Training

OPT Academy, as the Company's internal training platform, comprehensively supports employees' career development and skill enhancement. It plays a crucial role in the Company's ESG strategy, highlighting the emphasis on employee growth. The training system features rich functions, with video-on-demand integrated with Alibaba Cloud, supporting preview, duration recording, and attachment uploads; high-definition and smooth live video streaming with employee interaction and lecturer use of electronic whiteboards; user-friendly platform operation, multi-device access, live recording, online testing including practice, simulation, and formal exams with certificates upon passing; learner management for viewing progress and scores; knowledge expansion sections for consultation and sharing; and Q&A management to promote employee exchange. Courses are built around eight core categories: technical R&D, production management, marketing and sales, etc., systematically covering key capability needs such as innovation-driven development, production efficiency optimization, and market expansion. The platform has recorded a total of 146 test questions and launched 101 on-demand courses. In 2025, since the platform's launch, various courses have accumulated 14,244 total views, with 752 employees actively participating in learning and a cumulative learning duration of 10,371,550 hours. The platform provides employees with high-quality learning resources and a rich and comprehensive learning environment, practices social responsibility, promotes the sustainable development of employees and the Company, and effectively fulfills ESG social responsibility requirements.

Deepening Employee Care

01 Organizing Cultural and Recreational Activities

OPT adopts diversified activities and care measures to enhance employees' sense of happiness and belonging, stimulate team cohesion and creativity, promote physical and mental health, and create a positive atmosphere. The Company cares for female employees, advocates gender equality, and lays the foundation for sustainable development; organizes employee family open days to enhance families' recognition and support for the Company and improve personnel stability; conducts rich employee cultural and incentive activities, including International Women's Day series (OPT Goddess Day, beauty salons, and holiday gift distribution), OPT Cup Basketball Tournament, Newcomer Cup Basketball Tournament, monthly employee birthday celebrations, and annual commendation conferences, comprehensively enriching employees' off-duty life, conveying care, and recognizing excellence. These initiatives integrate ESG concepts into the Company's value chain, empowering sustainable enterprise development.



Basketball Game

Beauty Salon Event

Birthday Party

Spring Festival Welcome Event

02 Employee Satisfaction

Upholding the people-oriented philosophy, the Company attaches great importance to employee feedback and conducts employee satisfaction surveys every quarter. By combining systematic questionnaire surveys with in-depth employee interviews, the Company comprehensively understands employees' feelings and demands in multiple dimensions such as work environment and career development. After professional analysis of survey data, the findings provide decision-making basis for optimizing management strategies and rationally allocating resources, continuously improving employees' work experience and satisfaction.

03 Living Welfare Facilities Assurance

The Company is committed to creating a comfortable and convenient living environment for employees. Free apartment housing is provided, fully equipped with living facilities to meet employees' accommodation needs. At the same time, the Company operates clean and hygienic canteens that offer free daily meals with rich variety, emphasizing nutritional balance and catering to employees' diverse taste preferences.

04 Leisure and Entertainment Facilities Construction

The Company has built a variety of leisure and entertainment facilities, including a gym, basketball court, badminton court, barbershop, and more, enriching employees' off-duty life. Through the above multi-dimensional employee care and rights protection measures, the Company has effectively enhanced employee satisfaction and loyalty, actively practices social responsibility, and lays a solid foundation for the Company's sustainable development.

OPT has always regarded giving back to society as an important mission of the enterprise and actively encourages all employees to enthusiastically participate in various public welfare activities to practice corporate social responsibility. Employees actively respond and widely engage in social volunteer services and diverse interest activities. In community service, environmental protection actions, care for vulnerable groups, and other volunteer scenarios, employees demonstrate the spirit of public welfare through concrete actions, spreading love and warmth, enriching their own spiritual lives, injecting positive energy into the local community and broader society, and fostering a harmonious and mutually supportive social atmosphere.



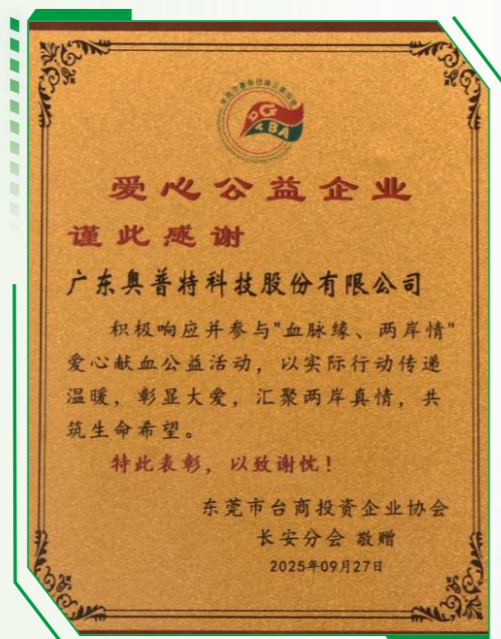
02 Equal Treatment of Small and Medium-Sized Enterprises

In the course of its business operations, OPT adheres to the principles of equality, fairness, and win-win cooperation, and places great importance on the coordinated development of small and medium-sized enterprise (SME) customers and suppliers. For certain SME customers with relatively limited vision capabilities and insufficient understanding of machine vision applications, the Company proactively provides knowledge sharing and technical support, offering machine vision products, application cases, and full-process technical services covering installation, commissioning, and maintenance, thereby helping customers enhance their technical application capabilities and market competitiveness. At the same time, the Company continues to improve its supplier management and payment mechanisms, and makes timely payments to SME suppliers in accordance with internal policies and contractual agreements, effectively safeguarding their legitimate rights and interests and promoting the stable operation and shared development of the supply chain.

Contributing to Social Development

01 Effectively Fulfilling Social Responsibility

In 2025, the Company actively practiced social responsibility and was honored with the title of "Caring Public Welfare Enterprise." Cumulative donations reached RMB 290,000, and 30,000 tons of agricultural products were purchased to support rural revitalization. Looking ahead, OPT will continue to explore more diverse social public welfare channels, continuously increase investment in social development, and contribute greater OPT strength through concrete actions to build a fairer, more harmonious, and better society, allowing the flower of corporate social responsibility to bloom brilliantly in broader fields.



06

Co-Construction and Shared Responsibility-Safeguarding Our Beautiful Home.

In the context of accelerating global climate change and increasingly severe environmental challenges, OPT firmly upholds the philosophy of green development, continuously improves its environmental management system, keenly seizes opportunities in clean technology development, and effectively reduces resource consumption and environmental impact in production and operations through innovative practices and refined management. With concrete actions, the Company actively responds to the “dual carbon” goals, commits to promoting coordinated economic and environmental development, fosters harmonious coexistence between humanity and nature, and contributes OPT’s solutions and wisdom to achieving sustainable development.

Special Topic: Green Transformation Driving Innovation and Change – Implementing Green Strategy Upgrade to Promote Enterprise Green Transformation

- Green Factory
- Green Operations
- Addressing Climate Change
- Green Products and Clean Production
- Green Initiatives





Special Topic: Green Transformation Driving Innovation and Change – Implementing Green Strategy Upgrade to Promote Enterprise Green Transformation Green Factory

In 2025, guided by the orientation of “green transformation driving innovation and change,” OPT comprehensively advanced its green strategy upgrade. Innovation vitality across all business segments was fully unleashed, and product sustainability and competitiveness were significantly enhanced, earning national-level Green Factory certification. In production process optimization, OPT introduced cutting-edge green technologies and intelligent equipment to deeply transform production flows, achieving substantial reductions in energy consumption and pollutant emissions while simultaneously improving production efficiency and product quality. In resource management, the Company established a complete resource recycling system, strengthening resource control throughout the full process from raw material procurement to product recycling, greatly increasing resource utilization efficiency, ensuring sustainable resource supply, and reducing production costs. In promoting the concept of sustainable development, OPT not only deeply integrated this philosophy into corporate culture and daily operations but also actively collaborated with upstream and downstream supply chain partners, sharing green development experiences through seminars, training sessions, and other forms to jointly build a green industrial ecosystem and lead the industry toward sustainable development. In 2025, the Company successfully obtained Guangdong Provincial Green Factory certification, marking its advanced provincial-level performance in energy conservation and emission reduction, resource recycling, clean production, and green management. In 2026, the Company will continue to deepen green transformation and steadily advance the application for national-level Green Factory status.

01 Production Process Optimization: The Core Engine of Green Transformation

Addressing issues such as the easy loosening of six-core connector screws in cameras/code readers, the Company innovatively adopted glue application processes and considered spring washer alternatives, effectively enhancing product stability and reducing resource consumption and waste generation from repairs or replacements due to component loosening.

02 Refined Resource Management: Solid Support for Green Transformation

In resource management, the Company implemented refined measures. For material packaging, it proposed standardized requirements for incoming packaging forms of connectors, chips, etc., based on actual production needs, reducing time costs and material loss from packaging changes. For example, some materials were switched from tape/reel or bulk to tray packaging, with increased tray quantities for better turnover, improving production efficiency while reducing packaging waste. In equipment and tool applications, energy-saving upgrades were actively promoted. High-precision automatic board-loading machines were modified to accommodate small-size PCB production, avoiding energy idling and material waste due to equipment incompatibility; controller aging test software was upgraded to enable simultaneous aging of multiple products, significantly improving energy utilization efficiency and reducing equipment runtime and corresponding energy consumption.

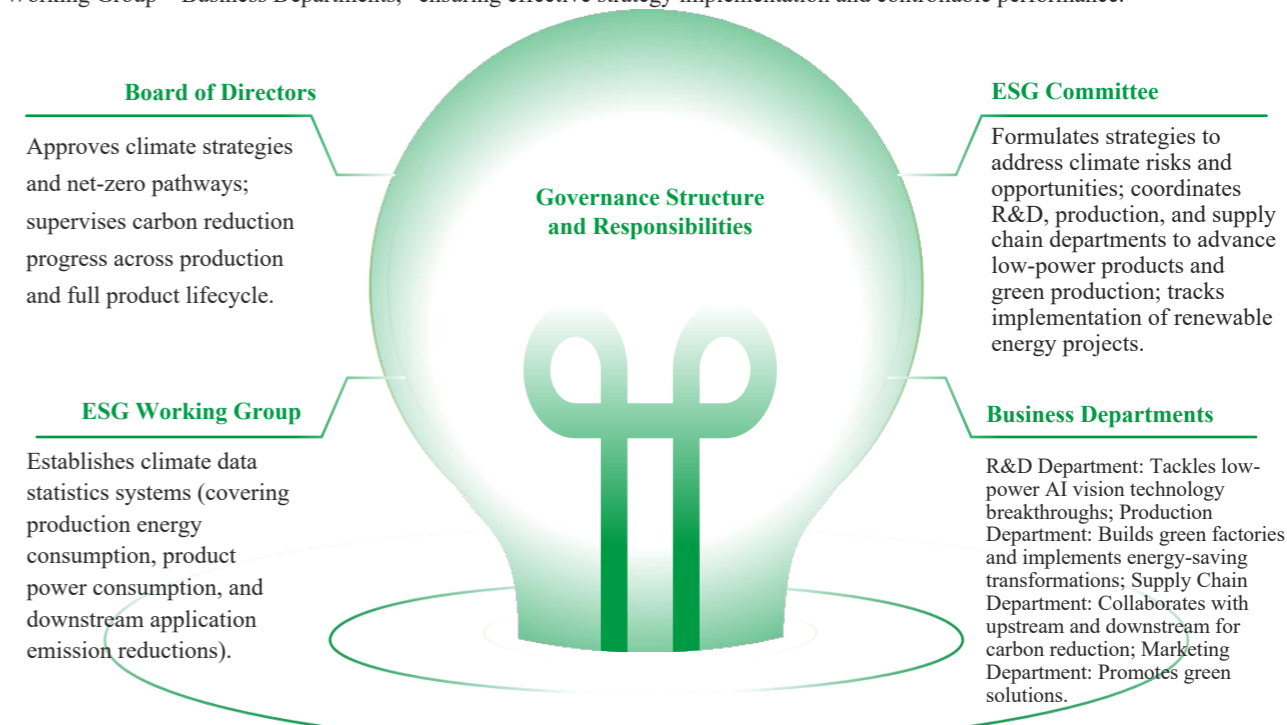
03 Deep Penetration of Sustainable Development Philosophy: The Internal Driving Force of Green Transformation

The concept of sustainable development permeates all aspects of Company operations. Employees actively participate in independent improvement activities, proposing and implementing numerous green improvement schemes across production processes—such as improving test adapter cables to reduce plugging/unplugging, optimizing lens assembly material picking processes, and adjusting outer box packaging operations—enhancing production efficiency while reducing resource consumption and environmental impact. The Company has fostered a positive atmosphere of full-staff participation in green transformation, powerfully advancing the enterprise’s sustainable development process and setting an exemplary model for industry green development.

Addressing Climate Change

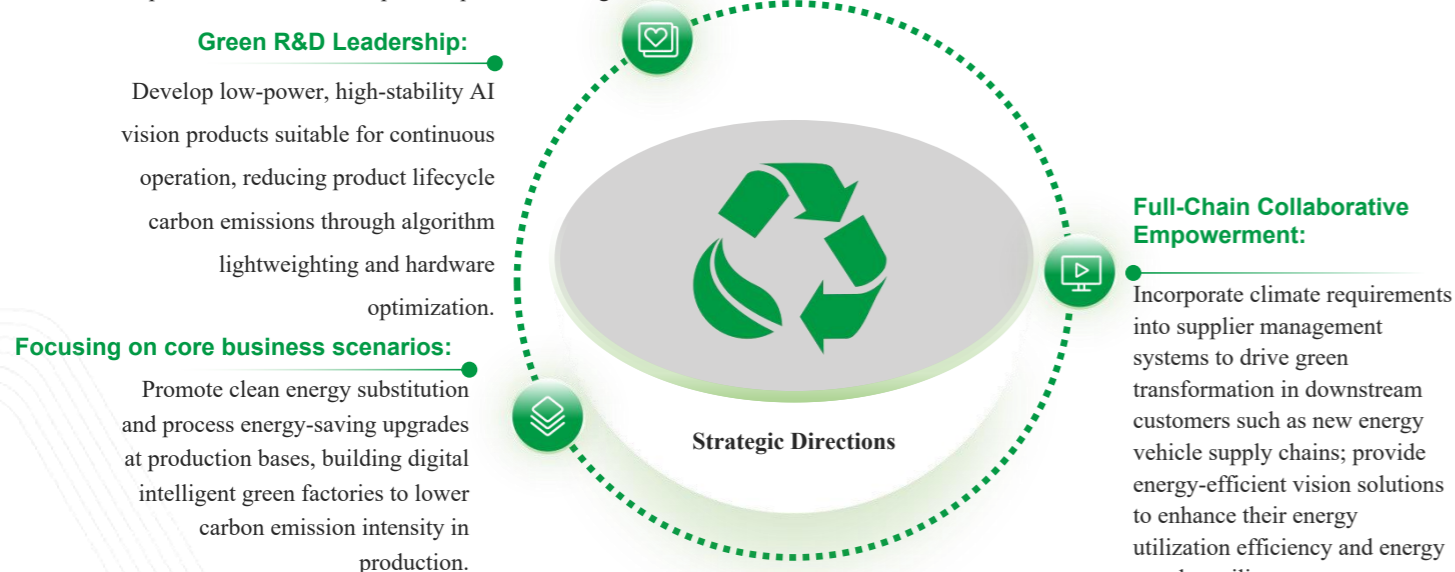
Governance

OPT deeply integrates climate change management into the Company’s ESG governance system. Focusing on production and operational energy consumption, low-power R&D for AI products, and continuous energy supply adaptation scenarios in the downstream industry chain, the Company has established a four-tier closed-loop governance structure: “Board of Directors – ESG Committee – ESG Working Group – Business Departments,” ensuring effective strategy implementation and controllable performance.



Strategy

Closely aligned with China’s “dual carbon” strategy and considering the power consumption characteristics of industrial AI vision products, energy transition at production bases, and green upgrades in downstream industry chains (including new energy vehicles), the Company has formulated the climate strategy of “green R&D leadership, green operations foundation, and full-chain collaborative empowerment,” with clear phased quantitative targets.



Impact, Risk, and Opportunity Management

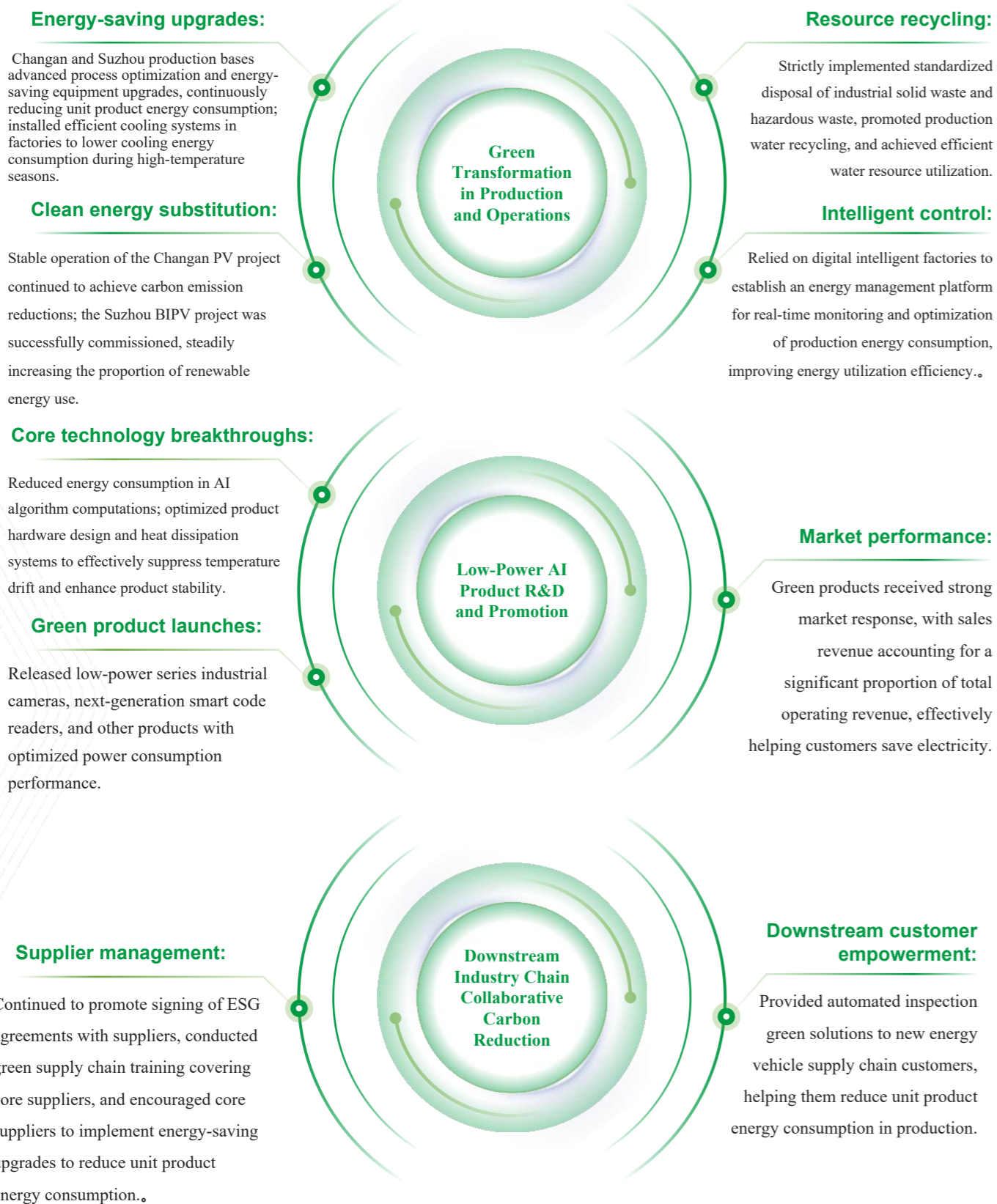
Combining scenario analysis and focusing on business scenarios in production, AI products, and downstream industry chains, the Company identifies physical risks and transition risks while uncovering green development opportunities.

Opportunity Types	Specific Opportunities (Focused on Core Scenarios)	Scenario Impact (High/Medium/Low)	Implementation MeasuresTypes
Physical Risks	<ul style="list-style-type: none"> Acute: Extreme weather (heavy rain, typhoons) causing damage to production facilities and power interruptions, affecting production continuity; power outages impacting continuous product operation and customer business. Chronic: Long-term high temperatures increasing cooling energy consumption in factory buildings; reduced product stability in high-temperature environments, raising maintenance costs. 	<ul style="list-style-type: none"> Acute: RCP8.5 (Medium), RCP2.6 (Low); Chronic: RCP8.5 (Medium), STEPS (Low) 	<ul style="list-style-type: none"> Production bases: Install flood and wind-resistant facilities, equip emergency power generators, establish extreme weather monitoring and early warning mechanisms. Product R&D: Optimize heat dissipation design to improve product stability in high-temperature environments and adapt to continuous operation needs. Provide redundant power supply adaptation solutions to enhance product energy resilience.
Transition Risks	<ul style="list-style-type: none"> Policy: Expansion of carbon pricing policies increasing production carbon emission costs; EU Carbon Border Adjustment Mechanism (CBAM) raising compliance costs for exported products. Technology: Rapid iteration of low-power AI vision technology risking obsolescence of existing products; increased demand for energy-efficient products raising R&D pressure. Market: Downstream new energy vehicle customers showing stronger preference for low-carbon products; failure to meet energy consumption standards leading to market share loss. 	<ul style="list-style-type: none"> policy: NZE (High), STEPS (Medium); Technology: NZE (High), STEPS (Medium); Market: NZE (Medium), STEPS (Low) 	<ul style="list-style-type: none"> Policy response: Closely monitor domestic and international climate policies, proactively implement carbon reduction measures, and promote low-carbon product certification. Technology R&D: Increase investment in LPC low-power platforms, focusing on FPGA edge computing and algorithm lightweighting to maintain technological leadership. Market layout: Strengthen promotion of green products, highlight low-power and high-energy-efficiency advantages, and secure green customers.

Opportunity Types	Specific Opportunities (Focused on Core Scenarios)	Scenario Impact (High/Medium/Low)	Implementation MeasuresTypes
Product Innovation	<p>Low-power AI vision product R&D:</p> <ul style="list-style-type: none"> Market demand for low-power, high-stability products driven by 7×24-hour continuous operation needs in product centers; growing demand for energy-efficient vision products in new energy vehicle supply chain automation inspection. 	<ul style="list-style-type: none"> NZE (High) STEPS (Medium) 	<ul style="list-style-type: none"> Upgrade LPC low-power platform, launch low-power series products, and optimize power consumption performance to enhance product competitiveness. Develop vision solutions to optimize product adaptability and help customers reduce energy consumption.
Energy Transition	<p>Renewable energy applications:</p> <ul style="list-style-type: none"> Implementation of rooftop PV and BIPV projects at production bases to lower energy costs; access to renewable energy policy subsidies. 	<ul style="list-style-type: none"> NZE (High), STEPS (Medium) 	<ul style="list-style-type: none"> Promote efficient operation of the Changan PV project and expand installed capacity of the Suzhou BIPV project. Explore energy storage and PV synergy models to improve renewable energy consumption rates and ensure continuous production energy supply.
Industry Chain Collaboration	<ul style="list-style-type: none"> Green supply chain cooperation: Become a core sustainable development partner in new energy vehicle supply chains; provide full-chain green solutions to increase customer stickiness. 	<ul style="list-style-type: none"> NZE (High) STEPS (Medium) 	<ul style="list-style-type: none"> Incorporate climate requirements into supplier evaluation systems, prioritizing low-carbon certified suppliers. Collaborate with downstream customers on carbon reduction projects to jointly build green industry chains.
Climate Resilience	<p>Enhanced production and product resilience:</p> <p>Improved production continuity assurance under extreme weather; products adapted to emergency power supply scenarios to boost market competitiveness.</p>	<ul style="list-style-type: none"> NZE (Medium), STEPS (Medium) 	<ul style="list-style-type: none"> Establish production emergency response mechanisms to improve rapid recovery capabilities. Develop vision products adapted to emergency power supply to meet continuous energy requirements.

Targets and Indicators

In 2025, OPT advanced climate action implementation around production energy conservation, low-power AI product R&D, and downstream industry chain collaboration, achieving significant performance.



Green Operations

01 Obtaining Environmental Management System Certification

Environmental Management Mechanism

The Company has always attached great importance to environmental protection and continues to ensure the stable and effective operation of its existing environmental management mechanism. On this basis, adhering to the philosophy of keeping pace with the times and continuous optimization, the Company has carried out detailed revisions and improvements to certain environmental management systems.

The Company has maintained the effective operation of its ISO 14001 Environmental Management System certification. In 2025, in accordance with the requirements of the certification body, regular internal audits and management reviews were conducted. The internal audits covered all departments and environment-related activities of the Company, with a key focus on verifying the conformity and effectiveness of the environmental management system.

The Company successfully passed the surveillance audit conducted by the external certification body. During the surveillance audit, the certification body conducted a comprehensive review of the Company's environmental policy, achievement of objectives, and the operation of the environmental management system.



Environmental Management System Certification

02 Environmental Protection

- Emergency Response to Environmental Risk Incidents
- The company has established the Environmental Safety Emergency Response Control Procedure, which clearly defines the responsibilities of relevant departments, response procedures, and emergency drills for sudden environmental risk incidents. This ensures that emergency responses are well-regulated, systematic, and legally compliant.
- Identification and Control of Significant Environmental Factors



- Three Wastes Management

General Industrial Solid Waste

Waste Type	Waste Code	Annual Disposal (tons)
Waste Packaging	SW99 - 20	0.1
Lead-Free Solder Dregs	SW99 - 20	0.0377
Defective Products and Scraps	SW99 - 15	3
Slag Residue	SW99 - 20	0.00036



- The Company's main atmospheric pollution sources are naturally volatilized gases generated during production, classified as unorganized emission process waste gas. The Company has formulated the Air Pollution Prevention and Control Procedures. Every year, waste gas generated during production is monitored and measured once in accordance with national emission standards and monitoring and measurement methods. Relevant Waste Gas Monitoring and Measurement Reports are retained, and the results are evaluated based on the Comprehensive Emission Standard of Air Pollutants (GB 16297-2004) and the Environmental Factor Identification and Evaluation Control Procedures. When waste gas exceeds standards, the causes are analyzed promptly and relevant departments are required to implement corrective measures. If complaints or opinions from stakeholders regarding waste gas pollution arise, they are handled in a timely manner in accordance with the Information Exchange Control Procedures, and national authorities' guidance and supervisory inspections are accepted when necessary.
- Organic waste gas mainly consists of low-concentration, malodorous organic waste gas with low content of combustible substances, making it unsuitable for condensation, membrane separation, or combustion methods. Therefore, biological treatment or adsorption is more appropriate. To achieve higher VOCs treatment efficiency, activated carbon adsorption is proposed (overall treatment facility: water spraying + secondary activated carbon adsorption, where water spraying primarily cools the organic waste gas, and the secondary activated carbon adsorption device mainly handles organic waste gas treatment), ensuring a stable organic waste gas treatment efficiency of more than 85%. Kitchen fume is treated using electrostatic fume purifiers.



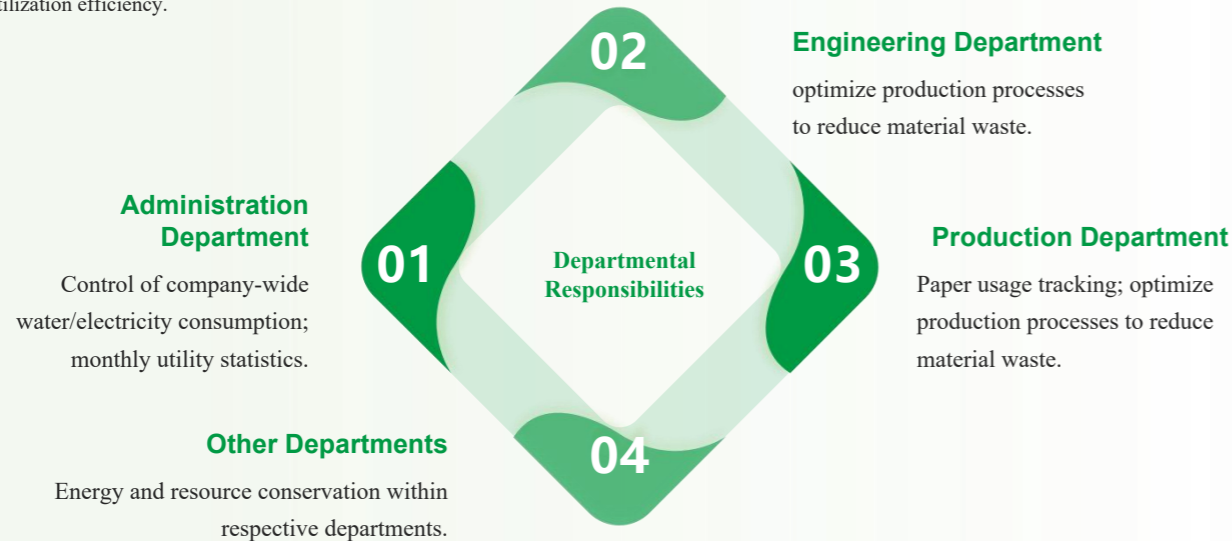
- In accordance with the Energy and Resource Consumption Control Procedures and Sewage Control Procedures, the Company classifies wastewater into production wastewater and domestic wastewater for separate treatment. Domestic wastewater is pretreated through a three-level septic tank and then discharged into the municipal pipeline, ultimately treated by the joint wastewater treatment plant built by Chang'an and Chang'an New District in Dongguan City. Cleaning wastewater is periodically collected and removed by qualified hazardous waste recycling companies notified by the Administration Department. An environmental monitoring station or other nationally approved environmental monitoring institution is engaged annually to monitor and measure routine pollution factors (COD, BOD5, ammonia nitrogen, animal and vegetable oils, etc.). If production conditions change, monitoring and measurement frequency will be increased, and additional items will be monitored and measured in accordance with the requirements of the Integrated Wastewater Discharge Standard (GB 8978-2004). Nonconforming situations are handled in accordance with the Nonconformity, Corrective and Preventive Action Control Procedures. 2025年公司水 Water Source Protection Measures in 2025:
- ◆ Chang'an Xingfa South Road, Chang'an Town, Dongguan City, Guangdong Province, and the project area is not within a drinking water source protection zone.
- ◆ The project is located at No. 66-1, Xingfa South Road, Chang'an Town, Dongguan City, Guangdong Province. The project site is not situated within a drinking water source protection area, nor does it fall within the water source protection sensitive areas of the main stream of the Dongjiang River, the North Main Canal of the Dongjiang River, the South Tributary of the Dongjiang River, or the Zhongtang Waterway, or within the sensitive areas along both banks of important reservoir catchment areas and water supply channels.



- To conserve energy, slow resource depletion, and reduce landfill demand, the Company classifies waste into general waste (recyclable and non-recyclable) and hazardous waste for separate treatment. Recyclable general waste is handed over to resource recycling units; hazardous waste that the Company cannot effectively treat is periodically collected and removed by qualified hazardous waste recycling companies notified by the Company to achieve recycling purposes; non-recyclable general waste is handled by sanitation departments, with a 100% recovery rate; for hazardous waste, the Hazardous Waste Management Plan and Solid Waste Control Procedures have been formulated, and disposal is entrusted to companies holding the Hazardous Waste Operation License issued by the environmental protection bureau and business licenses. In 2025, hazardous waste was disposed of once, the specific data are shown in the table on the left.

03 Resource Utilization

The Company continuously improves its energy conservation management system and has established the Energy and Resource Consumption Control Procedures, clearly defining the energy management responsibilities of relevant departments to conserve energy across all processes. In addition, the Company has formulated the Management Measures for Paper, Water, and Electricity Usage. Through effective management of paper, water, and electricity consumption, these measures not only reduce environmental impact but also enhance the Company's overall energy utilization efficiency.



➤ Paper, Water, and Electricity Management



To reduce paper consumption, the company continuously upgrades its paperless office system, actively minimizing the use of paper and encouraging double-sided printing or copying for internal documents whenever possible. In addition, each department is required to record the daily volume of copied materials on the "Copy Registration Form," which serves as part of the economic performance assessment, enabling effective monitoring and reduction of paper usage.

The company installs "Save Water" reminder signs near faucets and strictly enforces a zero-leakage policy during water supply interruptions. Employees are required to turn off taps immediately after use to minimize unnecessary water wastage.

The company strictly prohibits unauthorized wiring and the use of high-power electrical appliances, reducing energy consumption and eliminating potential safety hazards. These measures not only contribute to lower energy usage but also enhance overall workplace safety.

➤ Photovoltaic Project

The Company continuously explores the potential use of renewable and clean energy and steadily advances the construction of photovoltaic power generation projects. These include the 261.82 kW distributed photovoltaic power generation project at OPT Machine Vision Tech Co., Ltd. (hereinafter referred to as the "Changan PV Project") and the rooftop BIPV project at the East China Machine Vision Industrial Park (hereinafter referred to as the "Suzhou BIPV Project"). Of these, the Suzhou BIPV Project generated a cumulative total of 282,500 kWh in 2025, equivalent to saving approximately 112.99 tons of standard coal and reducing carbon dioxide emissions by approximately 293.79 tons, while also effectively reducing pollutants such as nitrogen oxides, sulfur dioxide, and dust; The Changan PV Project generated a cumulative total of 257,700 kWh in 2025, equivalent to replacing approximately 97.67 tons of standard coal, reducing carbon dioxide emissions by approximately 256.93 tons, and achieving significant environmental benefits in terms of diesel savings, reduced sulfur dioxide and nitrogen oxide emissions, and water conservation. In 2025, these two projects collectively contributed 540,200 kWh of green electricity, jointly making a positive contribution to energy conservation, emissions reduction, and environmental protection. In the future, the company will continue to strengthen the development of photovoltaic power generation, enhance its photovoltaic generation capacity, and increase the utilization rate of green energy.

Suzhou BIPV Project	2025
Annual Total Power Generation (10,000 kWh)	28.25
Standard Coal Saved	112.10
Reduction in Carbon Dioxide Emissions	293.80
Reduction in Sulfur Dioxide Emissions	2.49
Reduction in Nitrogen Oxides Emissions	1.13
Reduction in Particulate Matter Emissions	1.92

Photovoltaic Project	2025
Average Annual Power Generation (10,000 kWh)	25.77
Standard Coal Replaced	103.08
Diesel Saved	97.67
Reduction in CO2 Emissions	256.93
Reduction in SO2 Emissions	7.73
Reduction in NOx Emissions	3.87
Reduction in Smoke and Dust Emissions	70.09
Fdreelsimhinwataintger Saved	103.08

Green Products and Clean Production

The Company actively adopts environmentally friendly materials and clean production technologies during the manufacturing process, striving to reduce energy consumption and pollutant emissions, achieve resource recycling, minimize negative environmental impacts, and promote the green transformation of the industry. The Company endeavors to use environmentally friendly, recyclable, and biodegradable materials in product manufacturing to reduce the use of environmentally harmful substances and minimize the potential environmental impact of its products throughout their life cycle. This initiative not only complies with increasingly stringent environmental regulations, but also responds to customers' growing preference for green products, thereby supporting the expansion of the Company's presence in the green market.

In the current era that emphasizes environmental protection and sustainable development, OPT ensures that all its products comply with RoHS requirements and strictly controls the use of hazardous substances while continuously advancing efforts to reduce product energy consumption, thereby contributing to the green development of the industry through concrete actions.

Clean Product Examples:

01 Industrial Cameras

- To address thermal noise, OPT cameras offer various heat dissipation methods, including fans, water cooling, and TEC active cooling. The new-generation products, through hardware upgrades, code refactoring, and adoption of low-power platforms, achieve lower power consumption compared to the previous generation while improving image signal-to-noise ratio.
- The 10GigE line-scan camera incorporates FPGA edge computing technology for real-time image preprocessing and detection, accelerating system inspection speed and reducing the load on the PC side. It supports time-division strobing technology, reducing costs for camera stations and vision solutions.

02 Smart Code Readers

- Enhanced NPU computing power and ISP throughput, with optimized NPU scheduling strategies, resulting in approximately 20% lower power consumption and about 5°C reduction in shell temperature.
- Upgraded FPGA platform ensures high-resolution acquisition time stabilized within 150 milliseconds, with a 30% increase in frame rate.
- Models fine-tuned specifically for photovoltaic film-covered barcode characteristics, enabling accurate identification even under low-contrast or complex lighting conditions.



A professional institution was engaged to provide training for the Company's major business rtmments.



Attended the SSE thematic training on ESG report preparation in person

ISO Internal Auditor Training



02 Energy-Saving Measures

Security personnel conduct daily energy conservation and emission reduction patrols after work, promptly turning off lights, air conditioners, and other equipment that remain on, reducing waste, while reporting wasteful practices in various departments to urge them to improve energy-saving and emission-reduction efforts.

Installation of motion-sensor lights and sensor faucets.

Energy-saving controls for air conditioning, such as setting the minimum temperature to 26°C.

Each department designates a person responsible for energy conservation and emission reduction to effectively supervise the related work within their department.

Green Initiatives

01 ESG Thematic Training

To ensure that personnel responsible for internal audits across all departments have a deep understanding of the ISO systems (including quality, environment, and occupational health and safety) and to guarantee the effective operation of these systems, the Company specially invited external trainers to conduct ESG-themed training. The training content included, but was not limited to: the basic framework, elements, and operational mechanisms of the environmental management system (such as ISO 14001), explaining how to establish, implement, and maintain an effective environmental management system to achieve corporate environmental objectives and continuous improvement; methods for identifying and evaluating enterprise environmental factors, guiding employees to identify various environmental factors in production and business activities (such as energy consumption, raw material use, pollutant emissions, etc.) and to assess their significance using appropriate methods, thereby identifying key environmental factors to provide a basis for formulating targeted environmental management measures.

ESG Key Performance Indicators

Environmental Performance

Energy Management		
Energy Consumption Intensity	tce/m ²	0.01
Renewable Energy Consumption	10,000 kWh	54
Proportion of Renewable Energy Consumption	%	6.59
Total Energy Consumption	tce	1007.56
Greenhouse Gas Emissions		
Total Greenhouse Gas Emissions	tCO ₂ e	3692.91
Greenhouse Gas Emissions Intensity	tCO ₂ e/m ²	0.04
Scope 1 Greenhouse Gas Emissions	tCO ₂ e	292.85
Scope 2 Greenhouse Gas Emissions	tCO ₂ e	3400.06
Pollution Prevention and Control		
Wastewater Discharge	m ³	0
Non-hazardous Waste Recycled and Reused	tonnes	6.34
Hazardous Waste Generated	tonnes	4
Hazardous Waste Generation Intensity	kg/m ²	0.05
Hazardous Waste Recycled and Recovered	tonnes	4
Environmental Management		
Number of Operating Sites with Environmental Certification	sites	1
Number of Meetings of Environmental Management Bodies/Organizations	times	4
Number of Environmental Training Sessions Conducted	sessions	35
Total Person-times of Participation in Environmental Training	person-times	557
Employee Coverage Rate of Environmental Training	%	17.47
Number and Amount of Environmental Penalties Arising from Excessive Pollutant Emissions or Non-compliant Discharges	RMB 10,000	0
Number of Environmental Emergencies	cases	0

Environmental Performance

Indicator	Unit	2023	2024	2025
Environmental Protection Investment	RMB 10,000	65.71	91.57	6.09
Electricity Consumption	10,000kWh	567.41	589.48	640.80
Diesel Consumption	L	64.23	0	0
Gasoline Consumption	L	50,648	40,606.47	85,971
Natural Gas Consumption	m ³	39,806.40	40,729.68	46,561
Total Water Consumption	m ³	69,819	71,593	79,013

ESG Key Performance Indicators

Social Performance

Indicator	Unit	2023	2024	2025
Employee Management				
Total Number of Employees	persons	2,268	2,618	3,188
By Gender				
Number of Male Employees	persons	1,844	2,165	2,574
Number of Female Employees	persons	424	453	614
Proportion of Female Employees	%	18.69	17.30	19.26
By Age				
Aged 30 and Below	persons	1,510	1,775	2,078
Aged 31 to 50	persons	731	810	1,060
Aged 51 and Above	persons	27	33	50
By Educational Attainment				
Bachelor's Degree and Above	persons	787	1,016	1,280
Junior College	persons	1,074	1,127	1,252
Secondary Technical School and High School	persons	244	308	518
Junior High School and Below	persons	163	167	138
By Function				
Number of Employees in R&D Functions	persons	899	1,034	979
Number of Employees in Non-R&D Functions	persons	1,369	1,585	2,209
Production Personnel	persons	319	374	626
Sales Personnel	persons	943	1,086	1421
Finance Personnel	persons	19	20	35
Administrative Personnel	persons	88	104	127

Social Performance

Indicator	Unit	2023	2024	2025
Employee Benefits				
Number of Employees Entitled to Leave Benefits	persons	2,268	2,618	3,188
Number of Employees Taking Maternity Leave and Paternity Leave	persons	61	86	61
Number of Male Employees Taking Paternity Leave	persons	21	64	40
Number of Female Employees Taking Maternity Leave	persons	40	22	21
Total Number of Employees Returning to Work after Maternity/Paternity Leave	persons	61	86	58
Return-to-Work Rate of Employees after Maternity/Paternity Leave	%	100	100	96.72
Retention Rate of Employees after Maternity/Paternity Leave	%	100	77	93.44
Pension Insurance Coverage Rate	%	100	100	100
Employee Turnover Rate				
Total Employee Turnover Rate	%	3.97	5.57	5.30
Protection of Employee Rights and Interests				
Employee Satisfaction	points	82.80	82.87	77.24
Proportion of Employees with Signed Labor Contracts	%	100	100	100
Trade Union				
Number of Employee Representative Congresses or Other Democratic Communication Meetings Held	times	2	2	2
Trade Union Membership Rate	%	15	34	46.24
Number of Proposals/Suggestions Received by the Trade Union from Employees	cases/submissions	8	2	2
Expenditure on Employee Activities	RMB 10,000	\	1.63	1.27
Financial Assistance Provided by the Trade Union to Employees in Need	RMB 10,000	0.6	2.5	1
Employee Training and Development				
Employee Training and Development	persons	536	223	326

ESG Key Performance Indicators

Social Performance

Indicator	Unit	2023	2024	2025
Occupational Health and Safety				
Number of Work-related Fatalities	persons	0	0	0
Rate of Work-related Fatalities	%	0	0	0
Number of Work-related Injuries	persons	19	28	17
Occupational Health and Safety Training Sessions	sessions	50	7	24
Number of Participants in Occupational Health and Safety Training	persons	\	436	510
Number of Emergency Safety Drills Conducted	times	3	3	2
Internal Audit Training on the Environmental Management System	sessions	\	4	5
Number of Participants in Environmental Management System Training	person-times	\	20	36
Number of Work-related Injuries or Accidents Caused by Improper Chemical Use Management	cases	\	0	0
Person-times of Participation in Chemical Use Training	person-times	\	16	14
Public Welfare and Philanthropy				
Public Welfare and Charitable Contributions	RMB 10,000	50	29	29
R&D and Innovation				
Number of R&D Personnel	persons	899	1,034	979
Proportion of R&D Personnel	%	39.64	39.50	30.71
Company R&D Investment	RMB 10,000	20,224.50	21,695.99	25,207.62
R&D Investment as a Percentage of Revenue	%	21.43	23.81	20.10
Cumulative Number of Valid Patents	items	540	640	951
Cumulative Number of Valid Software Copyrights	items	116	124	151
Total Number of Newly Filed Patent Applications	items	168	210	375
Total Number of Newly Granted Patents	items	107	100	311
Number of Newly Granted Invention Patents	items	46	33	51
Number of Newly Granted Utility Model Patents	items	60	57	240
Number of Newly Granted Design Patents	items	1	10	20
Number of Newly Registered Software Copyrights	items	29	8	27

Social Performance

Indicator	Unit	2023	2024	2025
Supply Chain Management				
Number of Suppliers	suppliers	350	392	427
Suppliers in Mainland China	suppliers	340	377	410
Suppliers Outside Mainland China	suppliers	10	15	17
Number of Supplier Audits	times	28	28	18
Number of Supply Chain Management Training Sessions Conducted	times	16	12	12
Proportion of Suppliers Signing ESG-related Agreements	%	90	90	91
Quality Management				
Product Recall Rate	%	0.02	0	0.09
Product Yield Rate	%	99.93	99.62	99.55
Customer Satisfaction Rate	%	96.82	90.81	92.14
Customer Complaint Resolution Rate	%	80.35	100	100
Number of Customer Satisfaction Questionnaires Returned	copies	773	98	98

ESG Key Performance Indicators

Governance Performance

Indicator	Unit	2023	2024	2025
Corporate Governance				
Number of Shareholders' Meetings Held	times	4	5	3
Number of Board Meetings Held	times	9	8	11
Number of Supervisory Board Meetings Held	times	6	7	\ ¹
Number of Strategy Committee Meetings of the Board of Directors	times	1	1	2
Number of Nomination Committee Meetings of the Board of Directors	times	1	1	2
Number of Remuneration and Appraisal Committee Meetings of the Board of Directors	times	2	2	5
Number of Audit Committee Meetings of the Board of Directors	times	4	3	5
Number of ESG Committee Meetings of the Board of Directors	times	1	1	3
Number of Directors	persons	6	7	7
Number of Independent Directors	persons	3	4	4
Proportion of Independent Directors	%	50	57.14	57.14
Number of Female Board Members	persons	1	1	1
Proportion of Female Board Members	%	16.67	14.29	14.29
Investor Relations				
Number of Investor Research Activities Organized	times	352	194	185
Number of On-site Research Visits by Institutional Investors Received	batches	240	76	67
Number of Online Investor Research Activities Organized	times	112	118	118
Number of Investor Communication Person-times	person-times	2,000+	1,300+	1300+
Investor Hotline Answer Rate	%	100	100	100
Response Rate on the SSE e-Interaction Platform	%	100	100	100
Number of Periodic Reports Published	copies	4	4	4
Number of Interim Announcements Published	copies	96	116	113

Governance Performance

Indicator	Unit	2023	2024	2025
Compliance Management				
Number of Compliance Training Sessions Conducted	sessions	74	97	90
Number of Participants in Compliance Training	person-times	931	2,618	2,944
Average Duration of Compliance Training per Employee	hours	2.71	2.08	2.41
Number of Complaints and Reports Received	cases	0	0	0
Number of Reports Subject to Formal Investigation or Substantive Investigative Action	cases	0	0	0
Number of Cases Filed for Investigation or Involving Litigation	cases	0	0	0

Note: The Supervisory Board was abolished on September 5, 2025.

Reporting Standards Index

Issue Category	Issue	Corresponding Report Chapter	Page Number
Environmental Issues	Addressing Climate Change	Co-Construction and Shared Responsibility-Safeguarding Our Beautiful Home	P87
	Pollutant Emissions	Co-Construction and Shared Responsibility-Safeguarding Our Beautiful Home	P87
	Waste Management	Co-Construction and Shared Responsibility-Safeguarding Our Beautiful Home	P87
	Ecosystem and Biodiversity Protection	The Company's principal business operations have not caused any material adverse impact on ecosystems, biodiversity or endangered species. During this reporting period, no information related to ecosystem and biodiversity protection requires disclosure.	/
	Environmental Compliance Management	Co-Construction and Shared Responsibility-Safeguarding Our Beautiful Home	P87
	Energy Utilization	Co-Construction and Shared Responsibility-Safeguarding Our Beautiful Home	P87
	Water Resource Utilization	Co-Construction and Shared Responsibility-Safeguarding Our Beautiful Home	P87
	Circular Economy	Co-Construction and Shared Responsibility-Safeguarding Our Beautiful Home	P87
Social Issues	Rural Revitalization	Mutual Growth of Enterprise and Employees-Jointly Creating Value	P77
	Social Contributions	Mutual Growth of Enterprise and Employees-Jointly Creating Value	P77
	Innovation-Driven	Innovation Leadership-Building High-Quality Products	P37
	Technological Ethics	Innovation Leadership-Building High-Quality Products	P37
	Supply Chain Security	Innovation Leadership-Building High-Quality Products	P37
	Equal Treatment of Small and Medium-sized Enterprises	Mutual Growth of Enterprise and Employees-Jointly Creating Value	P77
	Product and Service Safety and Quality	Innovation Leadership-Building High-Quality Products	P37
	Data Security and Customer Privacy Protection	Innovation Leadership-Building High-Quality Products	P37
Governance Issues	Employees	Mutual Growth of Enterprise and Employees-Jointly Creating Value	P77
	Due Diligence	Sustainable Development Strategy and Management	P17
	Stakeholder Communication	Sustainable Development Strategy and Management	P17
	Anti-Commercial Bribery and Anti-Corruption	Sound Management - Strengthening Corporate Governance	P25
	Anti-Unfair Competition	Sound Management - Strengthening Corporate Governance	P25

Feedback and Suggestions

Dear Reader:

Thank you very much for taking the time to read the OPT Machine Vision Tech Co., Ltd. 2025 ESG Report! To continuously improve our ESG reporting and management, we sincerely value your feedback. Kindly assist us by completing the following questionnaire and returning it to the provided contact details:

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Feedback Questionnaire

(Please check "√" your responses)

- How would you rate this report's reflection of OPT's significant impacts on the economy, society, and environment?
 Excellent Good Average Poor Very Poor
- How would you rate this report's responsiveness to and disclosure of stakeholders'key concerns?
 Excellent Good Average Poor Very Poor
- How would you rate the clarity, accuracy, and completeness of the information, metrics, and data disclosed in this report?
 Excellent Good Average Poor Very Poor
- How would you rate the readability of this report?
 Excellent Good Average Poor Very Poor
- Overall evaluation of the OPT Machine Vision Tech Co., Ltd. 2024 Annual ESG Report:
 Excellent Good Average Poor Very Poor