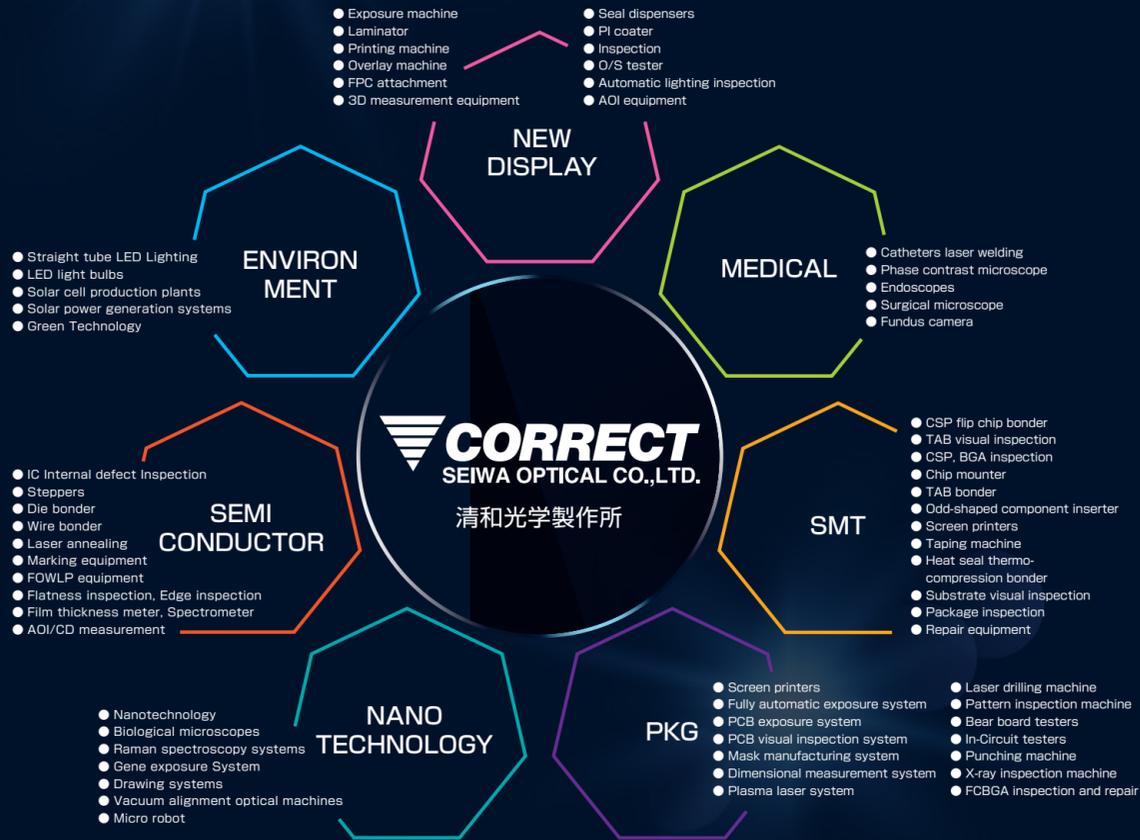


ADVANCED TECHNOLOGY

VISIONING GLOBAL MARKETS THROUGH CUTTING-EDGE LENS TECHNOLOGY

SEIWA OPTICAL has been developing, manufacturing and supplying new products one after another while evolving with the development of various industries. Pioneering new optical products, solidifying our position as the preferred and reliable partner for our customers.



Our vision for a better future through optical technology to empowering
"More convenient, More comfortable, More safe lives"



EFFORTS

QUALITY POLICY

We will always conduct our manufacturing with "Quality First". Upholding excellence as the foundation of our products and services to achieve customer satisfaction and societal contribution.

- BEST PRACTICES**
- 01 Ensuring company-wide understanding of quality policy, focusing on root cause analysis, and committing to quality goals.
 - 02 Implementing continuous improvement through our quality management system, precisely meeting customer requirements.
 - 03 Fulfilling social responsibilities through compliant business practices and agreements.
 - 04 Enhancing organizational quality and value through effective communication and employee engagement.

ENVIRONMENTAL POLICY

We obtained ISO14001 certification, an international management system, in 2009 as part of our environmental management activities. As a mission of those who live and work on the earth, we are actively involved in environmental preservation and promotes resource and energy conservation.

- BEST PRACTICES**
- 01 Advocating eco-friendly manufacturing: Continuously improving environmental control across R&D, design, manufacturing, sales, service, and disposal. Promoting risk and opportunity awareness to develop excellent, environmentally-friendly products.
 - 02 Through our business activities, continuing to prevent air, soil, and water pollution, conserve resources and energy, and strive to reduce environmental impact and recycle.
 - 03 Complying with environmental laws, regulations, and customer policy.
 - 04 Fostering employee awareness and engagement in environment conservation and improvement initiatives, set goals, and encourage all employees to participate in environmental activities and improve environmental performance.
 - 05 Collaborating with local communities and partner companies in environmentally responsible design and green procurement.

SEIWA OPTICAL CO.,LTD.

Website <https://www.seiwaopt.co.jp/>

4-12-17, Yayoi-cho, Nakano-ku, Tokyo JAPAN 164-0013 TEL +81-3-3383-6301



International Standard of Quality Management System "ISO9001" certified

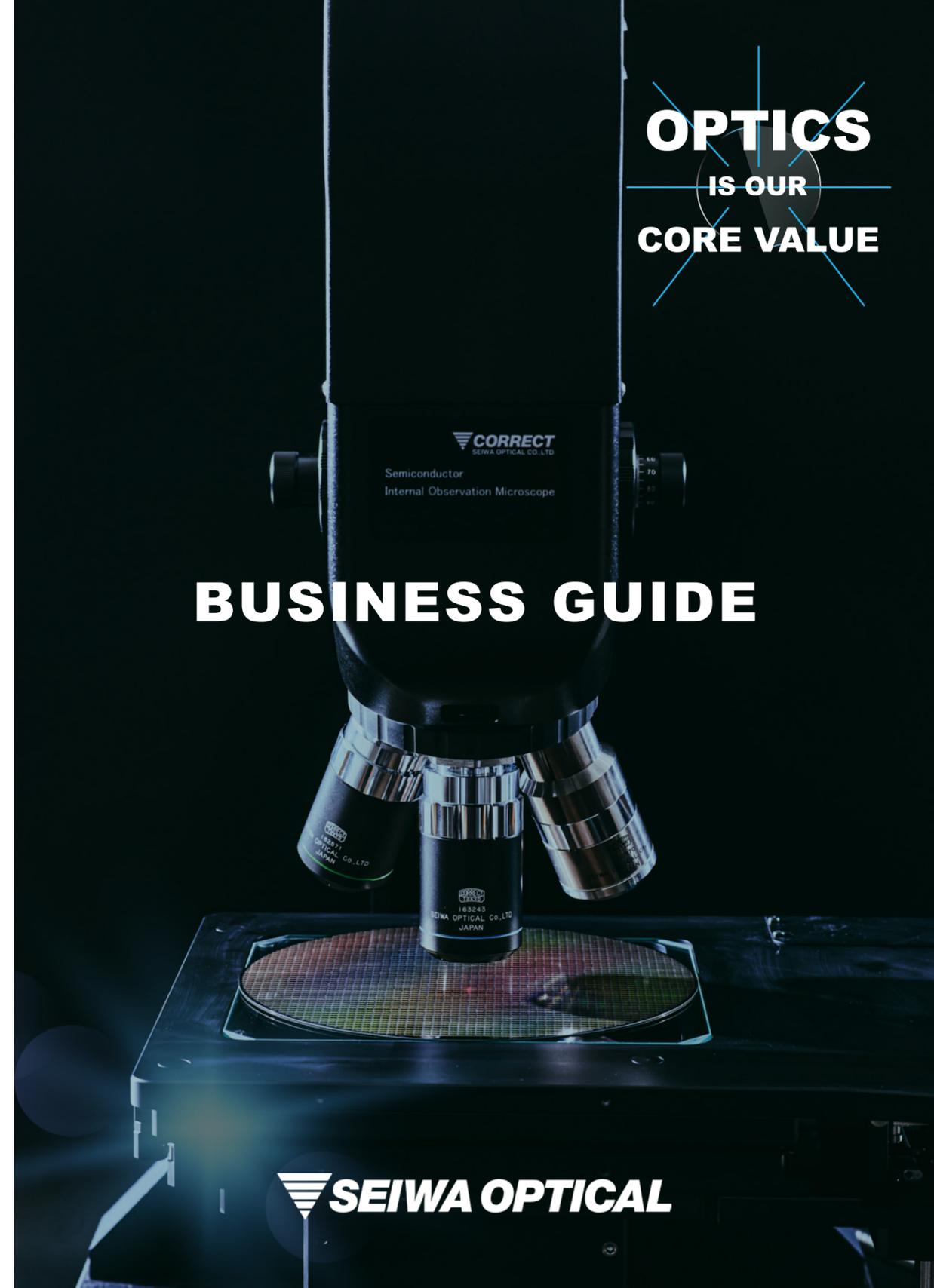


International Standard of Environmental Management System "ISO14001" certified



OPTICS
IS OUR
CORE VALUE

BUSINESS GUIDE



SEIWA OPTICAL

BUSINESS LINEUP

01

MACHINE VISION BUSINESS

A Legacy in core business:

From distortion-free precision lens production to advanced R&D and cutting-edge optical manufacturing for various industries.

Special optical system tailored to each customer

Alignment system, Inspection Optics for Dimension Measurement, Shape Judgment, Lighting, Video equipment, Peripherals, Image Processing board, etc.

PURPOSE

Positioning / Visibility improvement / Processing
Optical inspection / Automation / System Integration

PRODUCT

Optical Lens	Machine Vision Lens / Objective Lens / Telecentric Lens / Zoom Lens / Macro Lens
Lighting	LED / Halogen / Curing / Condenser
Camera	CMOS / InGaAs / Line Sensor
Auto Focus	Image AF / Laser AF
Peripherals	Objective Turret / Focus mount / Stage
Software	Positioning / Inspection / Detection
Laser	Marker / Cutting / Repair
Accessories	Filter / Prism



02

INDUSTRIAL EQUIPMENT BUSINESS

Enabling technological advancements:

Semiconductors are integral to manufacturing all kinds of products these days, and our products, integral to semiconductor manufacturing and beyond.

Design and production tailored to each project

All of our Equipment is based on Optical technology. Development, prototyping, and manufacturing of Exposure systems, Laser repair systems, Inspection systems, etc.

MARKET

Semiconductor / New Display
Electronic components / Packaging(PKG)

PRODUCT

EXPOSURE

- Mask Aligner(2-12")
- OLED Mask Roll to Roll Exposure System
- One-shot Exposure System
- Projection Exposure System (Under development)
- For Next Generation Growth Industry(LDI) Exposure system (Under development)



LASER PROCESSING

- Laser Welding System
- Laser Microfabrication System
- OLED Laser Repair
- Laser Marker
- Laser Annealing System



INSPECTION

- [Wafer Inspection Platform]
 - 2D/3D Review System
 - Critical Dimension Line Width Measurement System
 - Height measurement system (Spectroscopic, Confocal, AFM (under development))
 - Layer thickness measurement system (Spectroscopic and Ellipsometric)
 - Near-infrared Internal Defect Inspection System
- [Wafer Alignment Inspection]
 - Attachment Misalignment Inspection System
 - Pattern misalignment inspection system
- [Wafer Automatic Macro Inspection System]
 - Edge inspection system
 - Surface macro inspection system (under development)
- [Wafer Cassette Inspection]
 - Wafer Cassette Dimension Measurement System
- [Wafer/Package Substrate Inspection]
 - Micro Solder Ball Inspection and Repair system
- [Flexible OLED Inspection]
 - Surface Waviness Inspection System (magic mirror) (under development)



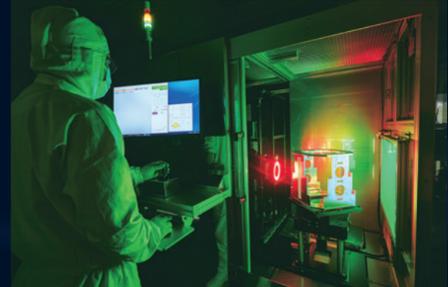
03

MEDICAL BUSINESS

Advancing medical automation with innovative laser beam technology:

Our entry into the global medical apparatus field.

Development for medical products manufacturing equipment such as Surgical needle laser, Drilling laser, Organ packing equipment, Catheter resin bonding equipment, etc.



04

ENVIRONMENT BUSINESS

Shaping a greener future:

Leveraging optical development technology to address environmental challenges, including decarbonization.

Product proposals for reducing environmental impact

Photovoltaic power generation, Thermal insulation paint, Photocatalyst, LED, etc.



Tailored solutions through custom-made products

Our optical engineers delivering optimal solutions for unique customer projects. A wide variety of in-house and custom-made products support various industries.