Business Outline

We offer a diverse lineup of products and solutions, including cameras, FPD and semiconductor lithography systems, microscopes, optical components, metal 3D printers, as well as measurement and inspection systems.

Imaging Products Business Enriching lives with light

Z9
[Mirrorless Camera]

Flagship mirrorless model with Nikon's preeminent still image/video functionality and performance.



Z5II
[Mirrorless Camera]

Achieves the same superior performance as high-end models, with greater responsiveness in dark scenes and improved ability to capture sudden movement.



ZR
[Digital Cinema Camera]

A full-frame sensor camera from the Z CINEMA series born from the synergy of Nikon and RED. It achieves color matching equivalent to RED cinema cameras.



V-RAPTOR XE
[Digital Cinema Camera]

Part of the Z CINEMA series, incorporating the essential functions for cinematic production from RED's revolutionary V-RAPTOR [X].



NIKKOR lenses
[Interchangeable Lenses for Cameras]

NIKKOR Z lenses delivering a new dimension in optical performance, along with NIKKOR F lenses.



NX Field
[Remote Shooting System for Professional Agencies]

Multiple cameras can be linked to support remote shooting and image transmission.



COOLSHOT PROIII STABILIZED
[Laser Rangefinder for Golf]

The most advanced model in the COOLSHOT series. Equipped with the STABILIZED function, it calculates and displays the distance to a target in 0.1 seconds regardless of the range.



STABILIZED 12x25 S
[Binoculars]

Image-stabilized binoculars that reduce vibration caused by hand movement, delivering clear, comfortable viewing.



MONARCH Fieldscope 82ED-S
[Fieldscope]

Sophisticated optical performance ensures a sharp and clear field of view.

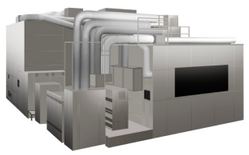


Precision Equipment Business Advance light×precision to support a digital society

FPD Lithography Business | Semiconductor Lithography Business

FX-88SL
[FPD Lithography System]

The first FPD lithography system to employ a UV-LED (ultraviolet LED) light source*, achieving high resolution and high productivity while reducing environmental impact.



*Among FPD lithography systems released as of October 23, 2025, according to Nikon's survey.

NSR-S636E
[ArF Immersion Scanner]

Lithography system for critical layers that accomplishes high levels of both overlay accuracy and throughput, providing solutions for diversifying device structures.



Litho Booster 1000
[Alignment Station]

Measures absolute grid distortion values quickly and with ultra-high precision for all wafers prior to exposure. Correction values are fed forward to the lithography system to ensure highly accurate overlay correction, contributing to improvements in semiconductor production yield and ROI (Return on Investment).



DSP-100
[Digital Lithography System]

Nikon's first back-end process semiconductor lithography system. Designed for advanced semiconductor packaging, it delivers high resolution of 1.0 µm (L/S) and supports large substrates up to 600 mm square. A maskless lithography system that achieves both high resolution and high productivity.



Healthcare Business Illuminate the future of life with the power of light

ECLIPSE Ti2-I
[Motorized Inverted Microscope for ICSI/IMSI]

Designed specifically for ICSI and IMSI in fertility treatment. Streamlines microscope procedures by consolidating key settings into intuitive buttons and on-screen displays — reducing workflow steps and improving efficiency.



*Photo with the manipulator from Narishige Lifemed Co., Ltd. Installed.

ECLIPSE Ji
[Digital Inverted Microscope]

With AI assistance for all tasks from observation to analysis, this benchtop inverted microscope improves data acquisition success rates through efficient imaging workflow.



Cell & Gene Therapy Contract Development and Manufacturing

Provides process development and manufacturing services for cells and gene therapy.



Silverstone
[Ultra-Widefield Retinal Imaging Device with Integrated UWF-Guided Swept Source OCT]

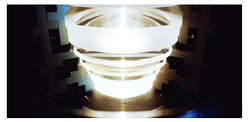
Capable of capturing an ultra-wide-field retinal image covering approximately 80% of the retina and a cross-sectional retinal image at any position in the ultra-wide-field image, in one device.



Industry Business Connect solutions with light

Industrial Solutions Business

Optical Components
Provides total solutions from optical design to mass production of optical components.



APDIS MV5X
[Laser Radar]

Delivers high-speed, non-contact measurements of large-volume parts with exceptional accuracy. Its compact, lightweight, and portable design enables deployment wherever manufacturing demands it.



"NEXIV VMF-K" Series
[Video Measuring Systems]

Automatically measures the dimensions of various materials and components with high speed and accuracy. Enables simultaneous 2D and height measurements of an object.



Industrial Solutions Business

VOXLS 20 C 225
[X-ray and CT Systems]

A compact system that enables highly accurate, non-destructive inspection and measurement of a wide range of samples.



Customized Products Business

Optical System for Optical Communications
(Optical System for Optical Inter-Satellite Communications)

Optical components employed in the optical antenna for NEC's optical inter-satellite communication system, aboard both Japan Aerospace Exploration Agency's (JAXA) optical data relay satellite and the DAICHI-4 Earth observation satellite — contributing to high-volume, high-speed data transmission over approximately 40,000 km.

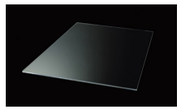


Laser Utilizing Communication System "LUCAS"
Image courtesy of JAXA.

Glass Business

Photomask Substrates for FPD

Provides high-quality, high-value-added FPD photomask substrates by fully utilizing our precision polishing, film-deposition and measurement technologies.



Digital Manufacturing Business Manipulate light to innovate manufacturing

Advanced Manufacturing Business

NXG 600E
[Metal 3D Printer]

Achieves unprecedented productivity and quality through SLM's cutting-edge technology. Equipped with 12×1kW lasers, enabling rapid fabrication of parts up to 600 mm × 600 mm × 1500 mm in size.



"Lasermeister LM300A" "Lasermeister SB100"
[Metal 3D Printer, 3D Scanner]

The Lasermeister LM300A and SB100 work together to enable high precision automated repair solution of turbine blade and dies.



"Lasermeister 1000S" Series
[Laser Subtractive Processing Machine]

Easily achieves difficult high-precision processing via a single unit combining ultrashort pulse laser processing and an onboard measurement system, and contributes to such DX efforts as simplifying product quality management and reducing and unifying individual operations through utilization of measurement data during subtractive processing.



Other Businesses

Vision Robotics Business

Robot Vision System

A vision system designed for use with industrial robots. It consists of a camera that acts as the eyes and a control PC that serves as the brain. With proprietary high-speed sensing technology, it promotes automation and contributes to labor-saving and productivity improvements across manufacturing and other industries.



Associated Companies

Nikon-Essilor Co., Ltd.

Manufactures and distributes a wide range of eyewear lens products, including single-vision lenses for myopia, hyperopia, and astigmatism, progressive lenses for presbyopia, and UV- and glare- protective lenses.



Nikon-Trimble Co., Ltd.

Provides solutions that connect the field and the office across the full construction process, from surveying and design to civil engineering, building construction, and maintenance. Also provides cutting-edge technology, software, and services in precision agriculture, geospatial information, and autonomous driving.



Nikon provides a variety of products, services, and solutions worldwide, based on advanced applied optics and precision technologies cultivated over more than 100 years of history. To meet the diversifying and sophisticated needs of society with solid technical capabilities, we have established a flexible manufacturing system throughout the Nikon Group. Nikon will continue to create new value in ways that contribute to Enriched Spirits, More Precise Treatment and Health, Manufacturing Solutions, and the Future of a Digital Society.