

Business Outline






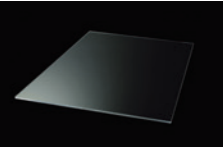
Imaging Products Business

Creating a richer and more diverse imaging culture.

<p>Z9 [Mirrorless Camera]</p> <p>Flagship mirrorless model with Nikon's preeminent still image/video functionality and performance.</p> 	<p>Z5II [Mirrorless Camera]</p> <p>Achieves the same superior performance as high-end models, with greater responsiveness in dark scenes and improved ability to capture sudden movement.</p> 	<p>Zf [Mirrorless Camera]</p> <p>The essence of the design, usability, and genuine excitement of photography derived from the FM2 film camera, implemented as a cutting-edge mirrorless model.</p> 
<p>V-RAPTOR [X] Z Mount [Cinema Camera]</p> <p>The first product in the Z CINEMA series was created through Nikon's rich history and powerful technology, and RED's cutting-edge cinema solutions. Provides filmmakers and content creators with ultimate flexibility in lens choice.</p> 	<p>NIKKOR lenses [Interchangeable Lenses for Cameras]</p> <p>A lens lineup that includes NIKKOR Z lenses delivering a new dimension in optical performance, along with a diverse range of NIKKOR F lenses.</p> 	<p>NX Field [Remote Shooting System for Professional Agencies]</p> <p>Multiple cameras can be linked to support remote shooting and image transmission.</p> 
<p>COOLSHOT PROIII STABILIZED [Laser Rangefinder for Golf]</p> <p>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.</p> 	<p>WX 7×50 IF [Binoculars]</p> <p>An ultra-wide field of view is realized by combining Nikon's leading-edge optical technologies and a passion for manufacturing.</p> 	<p>MONARCH Fieldscope 82ED-S [Fieldscope]</p> <p>Sophisticated optical performance ensures a sharp and clear field of view.</p> 

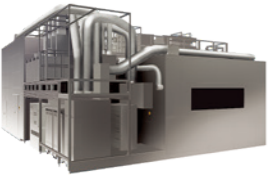
Components Business

Advancing technologies in semiconductors, space, and robotics sectors.

Industrial Solutions Business		
<p>Optical Components</p> <p>Provides total solutions from optical design to mass production of optical components.</p> 	<p>MAR-M700MFA [Multi-Turn External Battery-Free Absolute Encoder]</p> <p>Sensor device that detects absolute values of rotational displacement for robot arms and others. The world's first encoder equipped with an all-solid-state battery*, achieving maintenance-free operation.</p> <p><small>*As of Nov. 20, 2023, based on Nikon's research at the time of release.</small></p> 	<p>“NEXIV VMF-K” Series [Video Measuring Systems]</p> <p>Automatically measures the dimensions of various materials and components with high speed and accuracy. Enables simultaneous 2D and height measurements of an object.</p> 
Industrial Solutions Business	Customized Products Business	Glass Business
<p>VOXLS 40 C 450 [X-ray/CT System]</p> <p>Enables high-precision, non-destructive inspection and measurement of large components such as aerospace parts.</p> 	<p>Optical Systems for AKATSUKI</p> <p>Designed and manufactured the optical systems for the lightning and airglow camera (LAC), 1μm camera (IR1), ultraviolet imager (UVI), and the lens of the 2μm camera (IR2).</p> 	<p>Photomask Substrates for FPD</p> <p>Provides high-quality, high-value-added FPD photomask substrates by fully utilizing our precision polishing, film-deposition and measurement technologies.</p> 

Precision Equipment Business

Contributing to the realization of a super-smart society.

FPD Lithography Business		Semiconductor Lithography Business	
<p>FX-88S [FPD Lithography System]</p> <p>Gen 8 Plate FPD Lithography System. Supports panels for high value-added premium displays such as smart devices, high-end monitors, and large TVs.</p> 	<p>NSR-S636E [ArF Immersion Scanner]</p> <p>Lithography system for critical layers that accomplishes high levels of both overlay accuracy and throughput, providing solutions for diversifying device structures.</p> 	<p>Litho Booster [Alignment Station]</p> <p>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).</p> 	<p>DSP-100 [Digital Lithography System]</p> <p>Nikon's first back-end process semiconductor lithography system. Designed for advanced semiconductor packaging, it delivers high resolution of 1.0μm (L/S) and supports large substrates up to 600 mm square. A maskless lithography system that achieves both high resolution and high productivity.</p> 

Digital Manufacturing Business

Innovative manufacturing with material processing technology.

Advanced Manufacturing Business		
<p>“Lasermeister LM300A” “Lasermeister SB100” [Metal 3D Printer, 3D Scanner]</p> <p>Combining the Lasermeister LM300A and Lasermeister SB100 yields corrective solutions for high-precision automated turbine blades and molds.</p> 	<p>NXG 600E [Metal 3D Printer]</p> <p>Achieves unprecedented productivity and quality through SLM's cutting-edge technology. Equipped with 12 kW lasers, enabling the production of parts up to 600 mm × 600 mm × 1500 mm in size.</p> 	<p>“Lasermeister 1000S” Series [Laser Removal Processing Machine]</p> <p>Easily achieves difficult high-precision processing via ultrashort pulse lasers and onboard measurement, and contributes to such DX efforts as simplifying product quality management and reducing and unifying individual operations through utilization of measurement data during removal processing.</p> 



Healthcare Business

Improving the quality of life of people around the world.

<p>ECLIPSE Ti2-I [Motorized Inverted Microscope for ICSI/IMSI]</p> <p>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.</p> 	<p>ECLIPSE Ji [Digital Inverted Microscope]</p> <p>With AI assistance for all tasks from observation to analysis, this benchtop inverted microscope improves data acquisition success rates through efficient imaging workflow.</p> 	<p>Cell & Gene Therapy Contract Development and Manufacturing</p> <p>Provides process development and manufacturing services for cells and gene therapy.</p> 	<p>Silverstone [Ultra-Widefield Retinal Imaging Device with Integrated UWF-Guided Swept Source OCT]</p> <p>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.</p> 
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* Photo with the manipulator from Narishige Lifemed Co., Ltd. Installed.

Other Businesses

Vision Robotics Business	Ophthalmic Lenses Business
<p>Robot Vision System</p> <p>A vision system designed for use with industrial robots. It consists of a “sensor” (camera) that acts as the eyes and an “engine” (control PC) that serves as the brain. With proprietary high-speed sensing technology, it contributes to labor-saving and productivity improvements across manufacturing and other industries.</p> 	<p>Z Series</p> <p>A presbyopia-correction lens developed with a focus on MTF – a metric for assessing contrast and resolution in camera lenses.</p> 

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 contribute to the enrichment of daily life and society through the creation of new values, supporting the development of imaging culture and the realization of a super-smart society, as well as improving quality of life and assisting varied forms of manufacturing.