Nikon inspires fun and passion through its Imaging Products Business. Our extensive camera lineup enables a wide range of imaging expressions, and includes cameras best suited for family use as well as those for creators and professionals, meeting the expectations of a diverse group of users. We also offer SnapBridge, an application that connects digital cameras to smart devices, and NIKON IMAGE SPACE, a photo storage service. Nikon’s optical technologies are utilized in a range of products, from binoculars that achieve an ultra-wide field of view to fieldscopes, Loupes, and Laser Rangefinders. We are also committed to contributing to the enrichment of imaging culture, spreading the fun and passion that imaging inspires around the world, for example by hosting the Nikon Photo Contest, one of the world’s largest international photography competitions.

Shoot, watch, share. Imaging products that meet the expectations of everyone who loves photography.

Meets the high expectations of professional sports photographers and photojournalists with the most powerful AF performance in Nikon history, high-speed continuous shooting, and fast image transmission.

Digital SLR Camera “D6”

A lineup of SLR, mirrorless, and compact digital cameras allowing you to experience the joy of shooting.

Provides advanced binoculars, fieldscopes, Loupes, and Laser Rangefinders.
The super-smart society is expected to transform our quality of life and work by utilizing IoT, AI, robotics, and information and communications technology. Flat panel displays, including LCDs (liquid-crystal displays) and OLEDs (organic LEDs) as well as semiconductors are indispensable for realizing that society.

Nikon makes the lithography systems that expose circuit patterns for such components, covering everything from development and design to production, sales and service. FPD lithography systems featuring its unique multi-lens system for handling large panels used in TVs, as well as a system for producing small- and medium-sized panels used in smart devices. Semiconductor lithography systems are often called “the most precise machines in history,” requiring extreme precision down to around 1 nm*. And their high productivity is able to satisfy a variety of demands, such as for miniaturization and higher integration. With these and other systems, Nikon’s Precision Equipment Business contributes to the realization of a super-smart society.

*1 nm: one-billionth of a meter.

Supports the 10.5th-generation plate size. Ideal for high-volume production of high-definition panels for extra-large TVs, etc.

FPD Scanner “FX-103SH/103S”

Reduces the size of circuit patterns and projects them onto silicon wafers (semiconductor substrate) using ultra high-resolution lenses.

Air Immersion Scanner “NSR-S635E”

Supporting the manufacture of digital home appliances and smart devices that enrich people’s lives.
Healthcare Business comprises three solutions based on its core technologies in advanced optics and image processing and analyzing. Microscope Solutions continues to produce innovative microscopes based on our extensive experience in biological microscope technology. Cell Solutions aims to contribute the fields of regenerative medicine and support drug discovery using cells by utilizing technologies for cell observation and analysis. Ophthalmology Solutions provides ophthalmic devices and systems equipped with original technologies such as ultra-wide field that contribute to early detection and early treatment of eye diseases. In an era of increasing human longevity, Nikon strives to improve the quality of life for as many as possible in a society where people lead longer, healthier lives.

Capable of retinal and OCT imaging of approximately 80% or 200˚ of the retina in one device.

Ultra-Wide Field Retinal Imaging Device with Integrated UWF-Guided Swept Source OCT “Silverstone”

Captures images at about twice the resolution of conventional optical microscopes, and enables to observe high-speed live imaging of biological events.

Super-Resolution Microscope “N-SIM S”

Enables observation of growing conditions of cultured cells, as well as providing solutions to support research and mass production of iPS cells.

Cell Culture Observation System “BioStation CT”
High-precision measurement and inspection phase of production is essential for advanced manufacturing operations. Nikon provides measurement and inspection systems to meet the diverse needs of the demanding industry applications. Our extensive lineup includes X-ray and CT inspection with the world’s only high-power, 450kV micro-focus X-ray source, which can be used for large castings for vehicles, as well as systems for non-contact large-volume inspection and CNC video measuring. We support cutting-edge manufacturing processes by providing the measurement and inspection systems essential to enabling the advanced manufacturing process required to produce aircraft, automotive, and electronic components.

We are also committed to improving machining processes and machining accuracy, with Nikon’s non-contact laser scanner LC15Dx being installed into machine tools of DMG MORI CO., LTD., which concluded comprehensive business alliance with Nikon in March 2020.

A high-power X-ray source enables inspection of aircraft turbine blades and large castings for vehicles.

X-ray and CT Inspection “XT H 450”

Enables 3D measurement of aircraft and automotive parts, as well as wind turbine blades with non-contact and efficiency.

Non-Contact Large-Volume Inspection System “Laser Radar”

Attains non-contact, high-speed measurement at the highest precision of the NEXIV series, with accurate stage movements and high-performance optical systems.

CNC Video Measuring System “NEXIV VMZ-H3030”

Meeting a wide range of measurement and inspection needs in the aircraft, automotive, and electronic components industries.
The Precision Components & Modules Business includes optical components such as projection lenses and lidar sensors related, which are a core technology in autonomous driving. The Encoder Business handles products like sensors in the joints for industrial robots to measure rotational displacement. In April 2020, these businesses were combined to newly establish the Digital Solutions Business Unit. This unit is responsible for accelerating the launch of our Material Processing Business and Vision Systems/Robotics related businesses, which are positioned as growth areas, in cooperation with the Next Generation Project Division which holds development function. Following on from our Lasermeister series of optical processing machines for high-precision metal processing with ease, a new model of high precision flat surface processing machine is under developing. This utilizes an ultra-short pulse laser to achieve submicron flatness and precision microfabrication. There are also Customized Products Business, Glass Business, and Ophthalmic Lenses Business to meet wide variety of needs ranging from everyday life to outer space.

Enriching society and people’s lives through a variety of enterprises.

From optical components to material processing to the development of custom-made products. Contributing to the evolution of industry and technology.