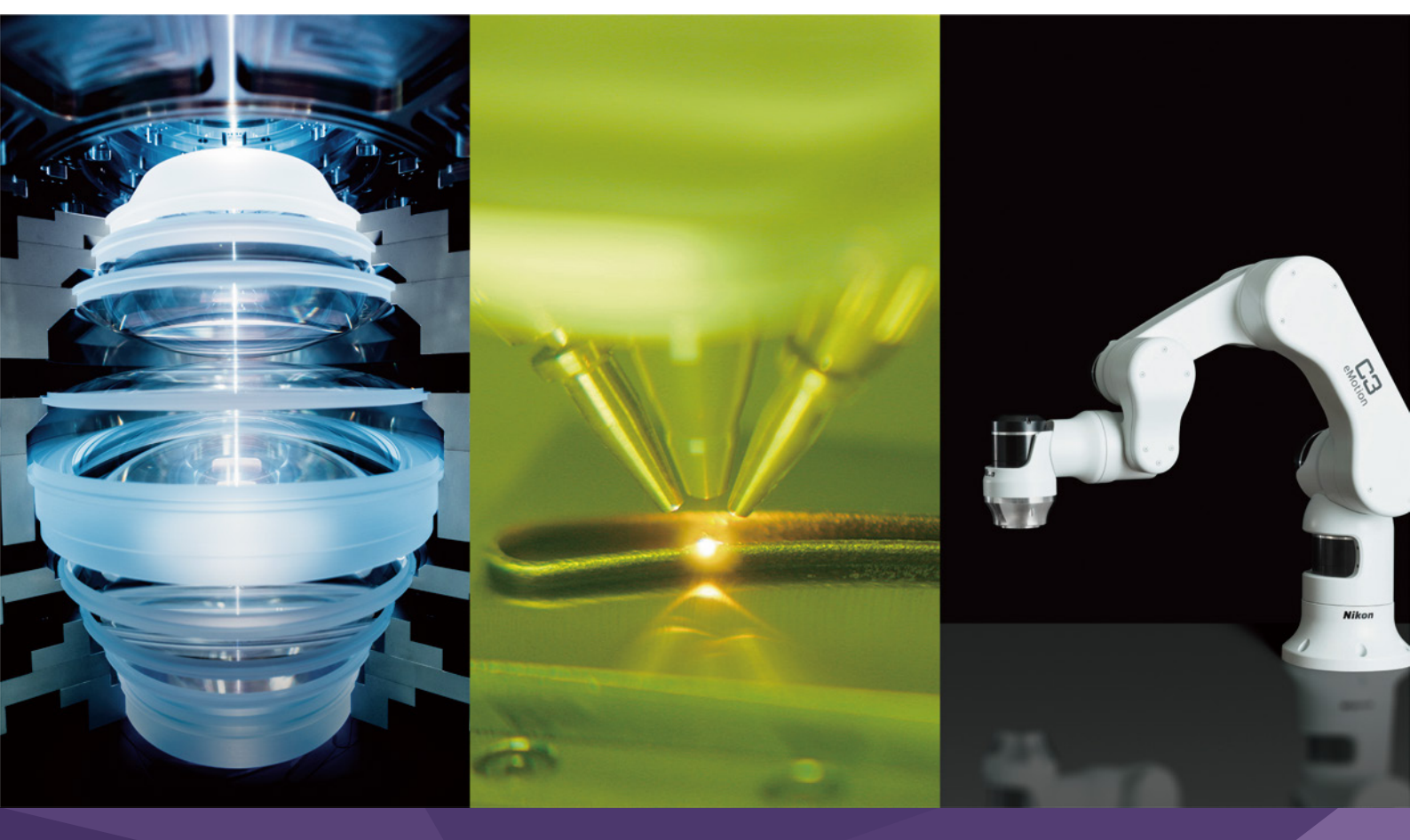


Components Business

Providing solutions in a variety of businesses, including optical components.

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

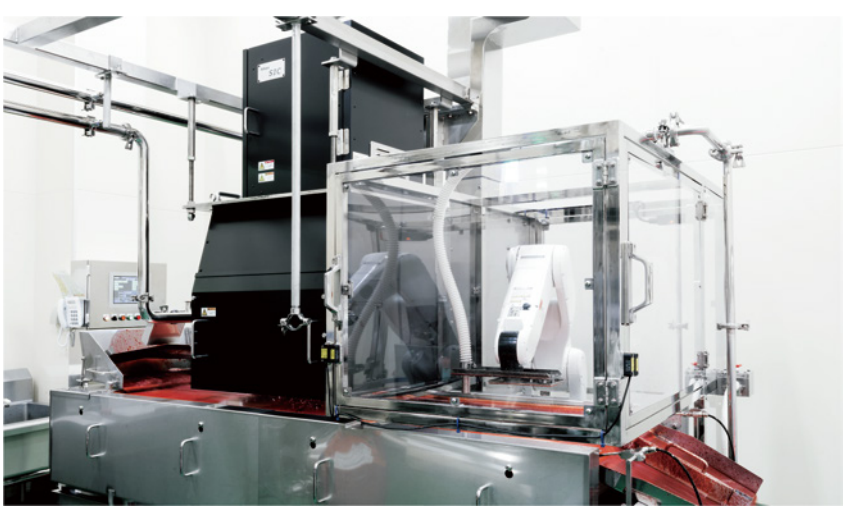
The Components Business comprises three businesses: Digital Solutions, Customized Products, and Glass. The Digital Solutions Business is engaged in a variety of businesses, including optical materials and components, and encoders that detect the rotation angle of the joints of industrial robots. The Lasermeister series of optical processing machines for easy metal processing includes a new model that achieves high-precision removal processing with an ultra-short-pulse laser. In addition, we offer contract processing services using optical processing machines that perform Riblet processing, which incorporates the concept of biomimetics. There is also the Customized Products Business, which designs and manufactures custom-made products, ranging from cutting-edge space technology development, to EUV related components and inspection equipment for food industry, and the Glass Business, which manufactures FPD photomask substrates. Through these wide-ranging businesses, Nikon contributes to the development of society, industry, and science and technology.

Optical Processing Machine “Lasermeister” Series
3D Metal Printer, Laser Removal Processing Machine

An extensive lineup is offered to meet a broad range of material processing needs, from metal additive manufacturing to marking, bonding, and removal of various materials.

Intelligent Actuator Unit “C3 eMotion”

A joint unit for a collaborative robot that integrates a motor, speed reducer, driver, brake and encoders.



Foreign Material Inspection System for the Food Industry

Uses spectroscopic technology and AI to detect organic substances. (Foreign material inspection system for jam and fruit spreads developed jointly with AOHATA Corporation to enable automatic inspection of foreign material and impurities in the jam and fruit spread manufacturing process)

Industrial Metrology and Others

Innovative measurement solutions for your shop floor.

Meeting a wide range of measurement and inspection needs in the automotive, semiconductor, and electronic components industries.

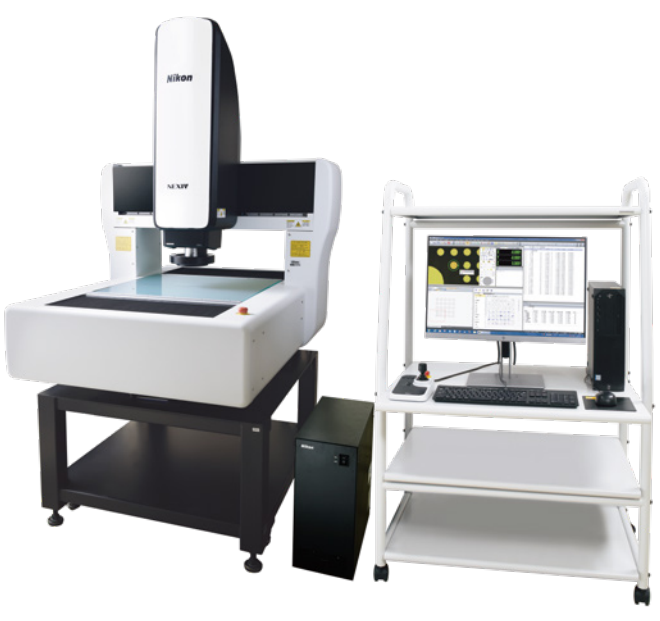
A high-precision measurement and inspection phase of production is essential for advanced manufacturing operations. Nikon provides measurement and inspection systems to meet the needs for automation in the manufacturing industry. Our lineup includes a wide range of high-productivity X-Ray and CT Systems with a high-power, high-resolution micro-focus X-ray source (225 kV), as well as systems for non-contact, large-volume inspection and video measuring.
We provide measurement and inspection systems that are essential for advanced manufacturing of automotive components, semiconductors, electronic components, and other products, contributing to the automation of manufacturing processes and helping to improve operational efficiency and manufacturing quality.

X-Ray and CT Systems “XT H 225 2x”

Quickly performs internal defect analysis and shape measurement of a wide range of inspection targets, such as small castings and plastic parts, while reducing measurement time significantly.

Laser Radar Measuring Systems “APDIS”

Contributes to improved productivity by enabling non-contact 3D measurement of objects ranging from small automobile parts to large aircraft assemblies.



Video Measuring Systems “NEXIV VMZ-S” Series

Ensures quick and accurate automatic measurement of complex-shaped test objects such as electronics for automotive applications and semiconductor components.