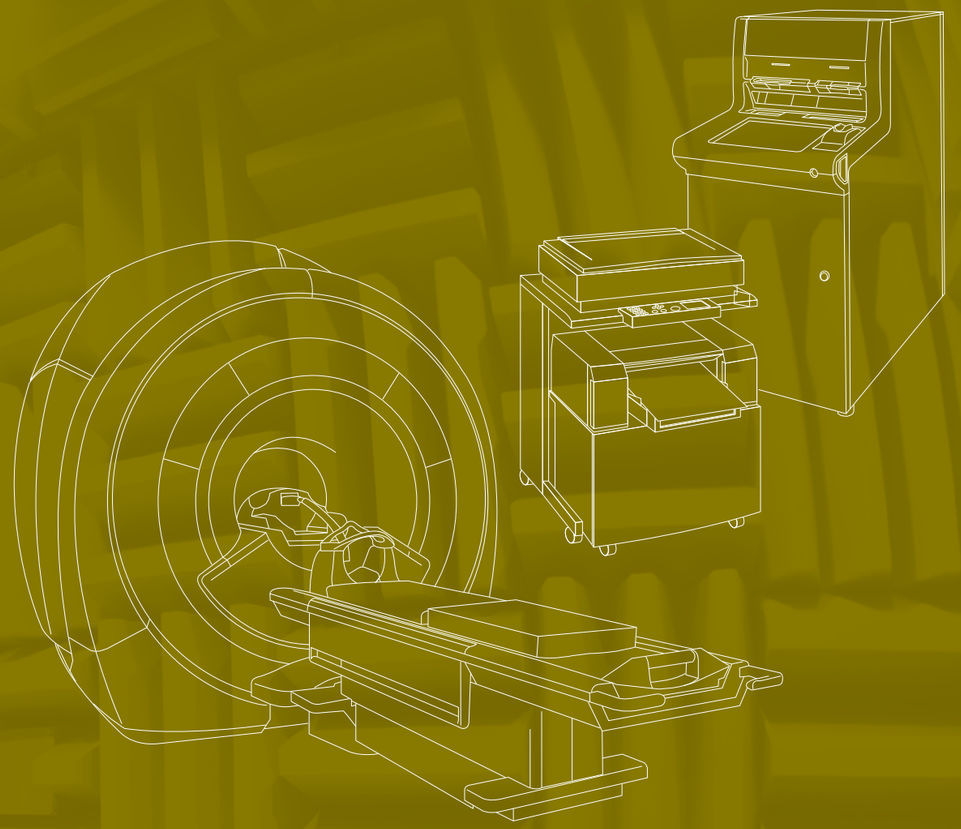
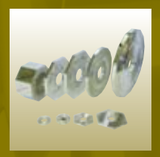
Actuators

Resulted from sophisticated technological strength and creativeness High quality actuators opening the way to the next era

We develop and manufacture actuator products that have been focused on industrial fields with the base principally set as scanner motors used in optical devices and compact precision stepping motors used in amusement devices. Our motor manufacturing technology is backed by the aerodynamic bearing structure, which is one of the technologies and symbolizes our technological strength. With the rotating parts given a contactless structure, while ultra-high speed rotation is possible, we meet demands for high-precision and high-durability as ground-breaking technology that reduces wear, noise, vibrations and heat to the maximum possible extent. Aerodynamic bearing polygon laser scanner motors where this technology has been brought in have been introduced into office equipment, such as high-end laser printers and digital multifunction machines. In addition, high-precision ball bearing polygon scanner motors have been introduced into medical imaging devices. Furthermore we design and manufacture optical units equipped with these high-precision polygon scanner motors. In our polygon laser scanner products, we have integrated in Japan and China the production of polygon mirrors, which are essential in exceedingly advanced processing technologies. We boast the number one market share in polygon mirror standalone products. In addition, in the field of compact precision stepping motors, we cover every part of the development and manufacture from standalone motors to module units. We are also concentrating our efforts on development support for our customers, such as putting into place partnership support that takes on part of the challenge of development and engineering reports in order to effectively utilize products. Now, compact, high-flow and high static pressure turbofans that take advantage of an aerodynamic bearing structure are gathering expectations as new actuator products. We will continue to support the environment and energy conservation society with our high added value products that are essential in household fuel cells.



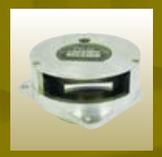
●Polygon Laser Scanner



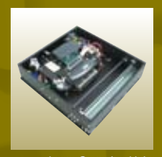
Polygon Mirrors
PM

This is a high precision motor for laser scanning in office equipment (e.g. laser printers and digital multifunction printing equipment), medical equipment (e.g. image diagnosis equipment), digital printing machines and film damage inspections.

Air Bearing Polygon Laser Scanners
PT22ERG



High-precision Polygon Scanners
PD60LA

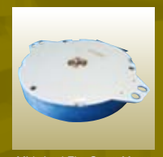


Laser Scanning Units
SU

●Brushless Motors

Small-sized Flat Servo Motors
MS22

These are flat brushless motors with a thickness of 7.5mm. These are widely used in industrial equipment and analytical instruments. The MS40 has a built-in encoder.



Mid-sized Flat Servo Motors
MS40

●DC Geared Motors

DC Geared Motor
MG16B

DC Geared Motor
LC30G

In addition to low noise and plastic gear types, we have metal gear types that increase the gear strength. These are employed in various industrial machinery and office equipment.

●Brushless DC Fans

DC Fan
F17FA

We have the products of 16-60mm-square shapes. These feature a compact size, thin profile, high air flow and low noise.

●Stepping Motors

Linear Stepping Actuator
SPS10/20

Geared Stepping Motor
SPG20/27/33/39

Starting with standard stepping motors used in various fields, including amusement devices, medical care analysis equipment and industrial machines, we are also offering a great many actuators with linear motion, heavy-duty deceleration gears, axis rotation detection sensors and auxiliary functions.

●Slip Rings

Integrated Motors and Slip Rings
PLR20

Axial Type Slip Rings
PLR40

●Blower Fans

Compact High Static Pressure Turbofan
TF037E

This is a compact and high static pressure turbofan that has achieved a long operating life and high-speed rotations through the adoption of an aerodynamic bearing structure.