

NB



NIPPON BEARING

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Product Category



■ SLIDE WAY



SLIDE WAY is non-recirculating linear motion rolling bearing using precision rollers. Due to its high accuracy and low friction, it is especially used in equipment that requires precision.

■ GONIO WAY



GONIO WAY is a curved cross roller slide way. It is a curved motion bearing utilizing low-friction, non-recirculating precision rollers. It is used when there is a need to change the gradient or obtain an accurate gradient angle without changing the center of rotation in high-precision optical and measurement equipment.

■ BALL SPLINE ■ ROTARY BALL SPLINE



BALL SPLINE is linear motion rolling bearing with a round shaft having raceway grooves. It can be used in applications where torque transmission is required.

■ SLIDE BUSH



SLIDE BUSH is linear motion rolling bearing used with a round shaft. It has a simple structure, and is used in a wide variety of industrial machinery.

■ TOP BALL



TOP BALL is linear motion rolling bearing with a round shaft, which is loaded by a plate with a raceway groove. It has greater load capacity compared to SLIDE BUSH, and has self-aligning feature.

■ STROKE BUSH ■ SLIDE ROTARY BUSH



SLIDE ROTARY BUSH is the Product that Provides rotary and linear motion simultaneously. It can achieve the same function as ROTARY BALL SPLINE.

■ SHAFT



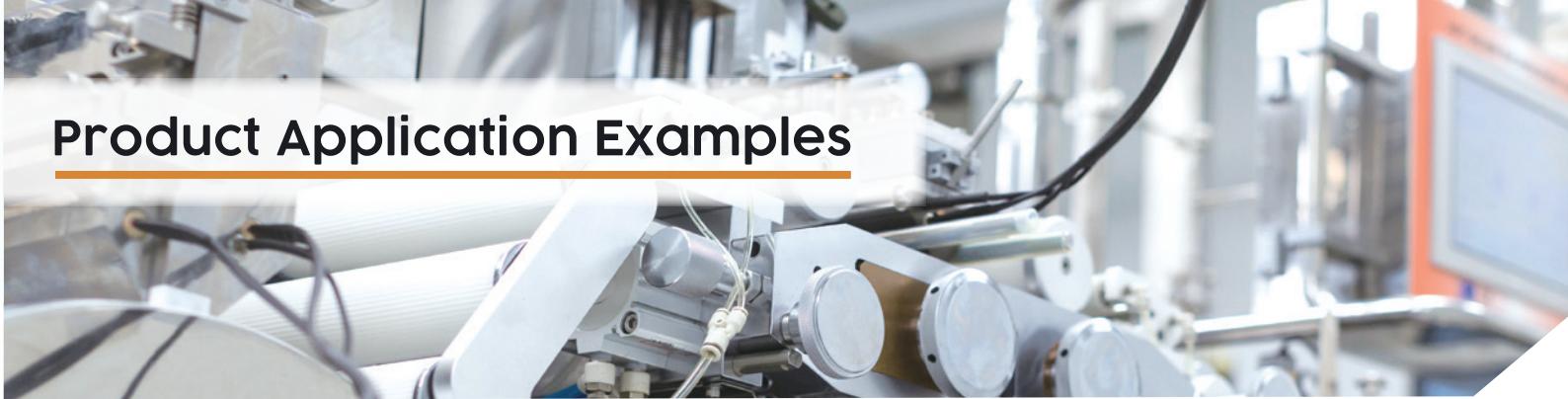
Normally used with our Slide Bush, our extensive experience allow us to produce shafts for a variety of applications.

■ ACTUATOR



ACTUATOR is the product integrated a linear guide and ballscrew. It contains steel rails and has high rigidity.

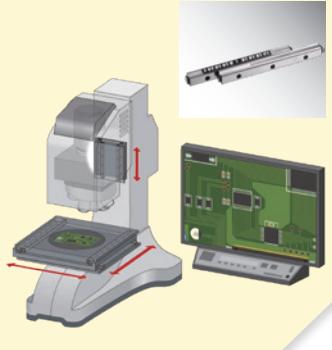
Product Application Examples



Digital Microscope

NV • HV • SV

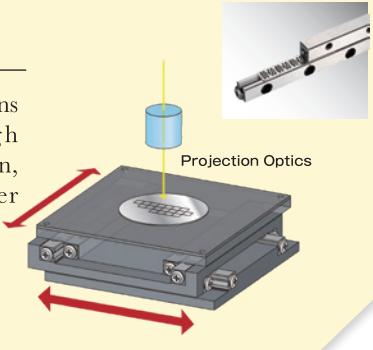
Compared to conventional products, NV and HV have a smaller roller pitch and wider roller contact length, resulting in higher rigidity and reduced shifting.



Stepper Machine

NV • HV • SV

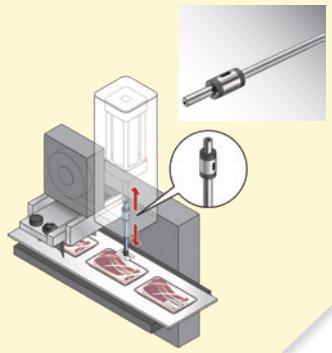
High rigidity reduces vibrations caused by repeated high acceleration and deceleration, which contributes to higher precision.



Labeller

SSP-AM

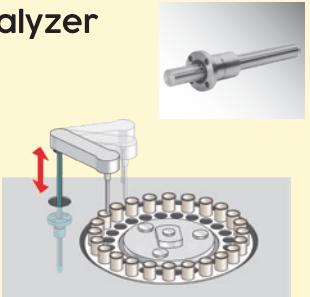
Precise rotational positioning is possible under high torque transmission while maintaining smooth linear motion.



Clinical Automated Analyzer

SSP

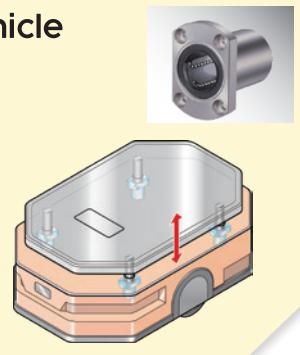
Gothic arch-shaped raceway enables precise torque transmission which contributes to positioning accuracy in the rotational direction.



Automated Guided Vehicle

SM • GM

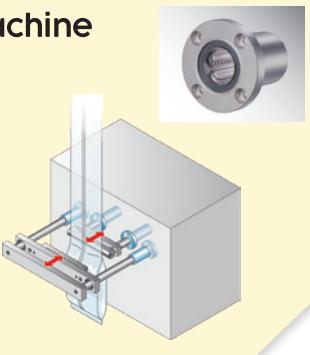
Used in the lifting mechanism of transport vehicles. It is possible to design a lifting section with lower cost. A wide range of variations allows you to select the best one for your equipment.



Vertical Packaging Machine

SM • GM

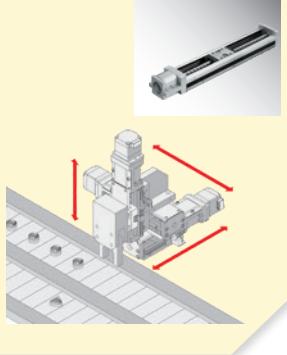
You can choose from a wide variety of options to match the size of your equipment. Corrosion-resistant specifications are also available, making it useful in the field of food processing.



Orthogonal Robot

BG

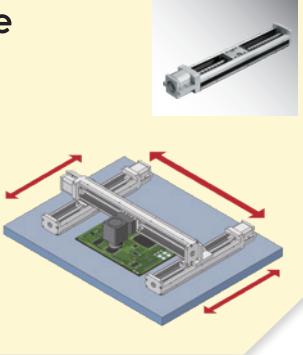
Contributes to simplifying robot work. High rigidity allows accurate positioning even in overhangs. They also have the advantage of price, easier to control, and take up less space than robotic arms.



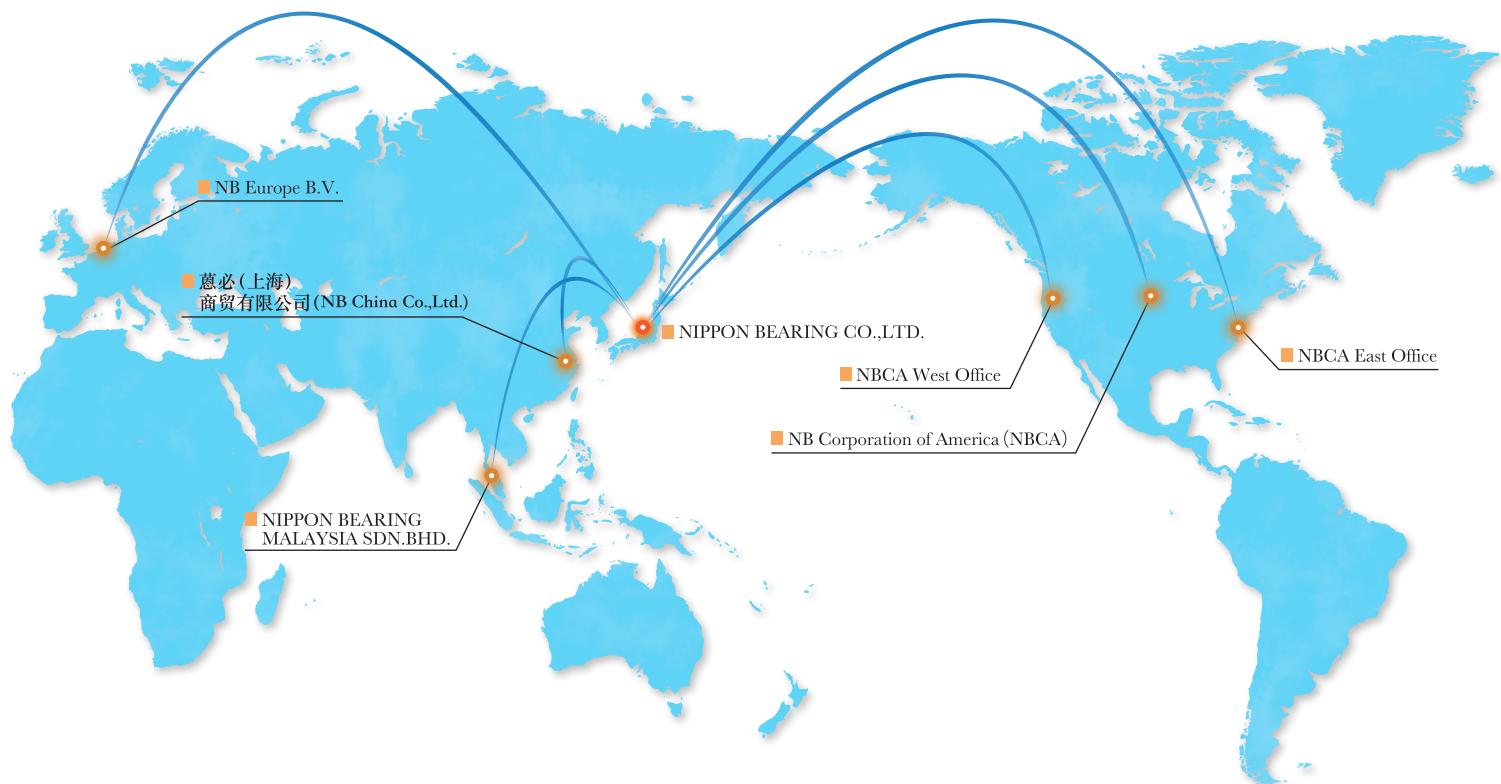
PCB Inspection Machine

BG

Highly accurate positioning make micro inspection possible. By combining single-axis actuators, design and assembly time can be reduced.



Overseas sales network



NIPPON BEARING

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