

NB



NIPPON BEARING

Top Message

Meeting Market Needs with Strengths



President of
NIPPON BEARING CO., LTD.
Nobuhiko Fukunaga

Nippon Bearing has strength in :

- Stable product quality
- Product design expertise
- Extensive product lineup

To adapt to the evolving market environment, we continue to refine our strengths.

We meticulously address various needs such as market expansion in semiconductor manufacturing equipment and inspection devices, further promotion of automation, equipment downsizing, and reduction of environmental impact, leveraging our strengths. We ensure that our service allows our customers to experience Nippon Bearing as an indispensable partner, striving to uphold the "NB inside" value through trial and error.

While maintaining our strengths, to compete in the global market, we recognize the importance of close collaboration with all the stakeholders involved. This includes ensuring stable material procurement, establishing cooperative systems with production partners, improving our communication with trading companies, agent and end-users for improved production planning and new product development.

We actively engage with you and strive to maintain and expand the presence of "Made in Japan" and "Japan Inside" in a market where change and its pace are accelerating.

JAPAN CO

Corporate Philosophy

3Key Strengths

Addressing Market Needs with Three Key Strengths

Our company takes pride in possessing three key strengths centered around bearings(ball bushes)and slideways(cross roller guides):

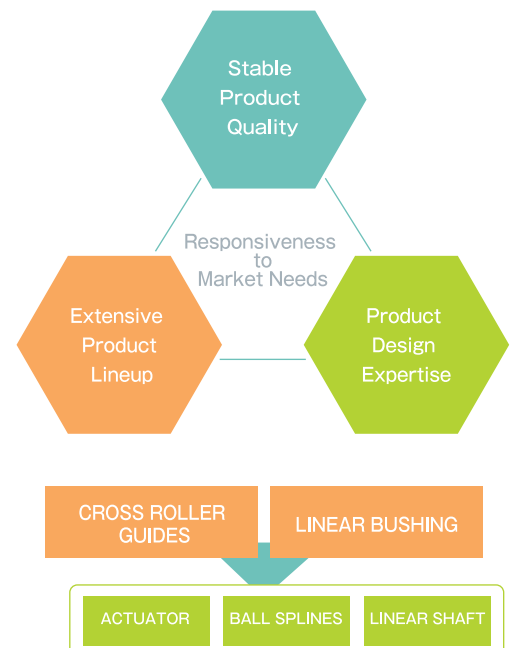
- Stable product quality
- Product design expertise
- Extensive product lineup

We believe these strengths enable us to effectively address market demands.

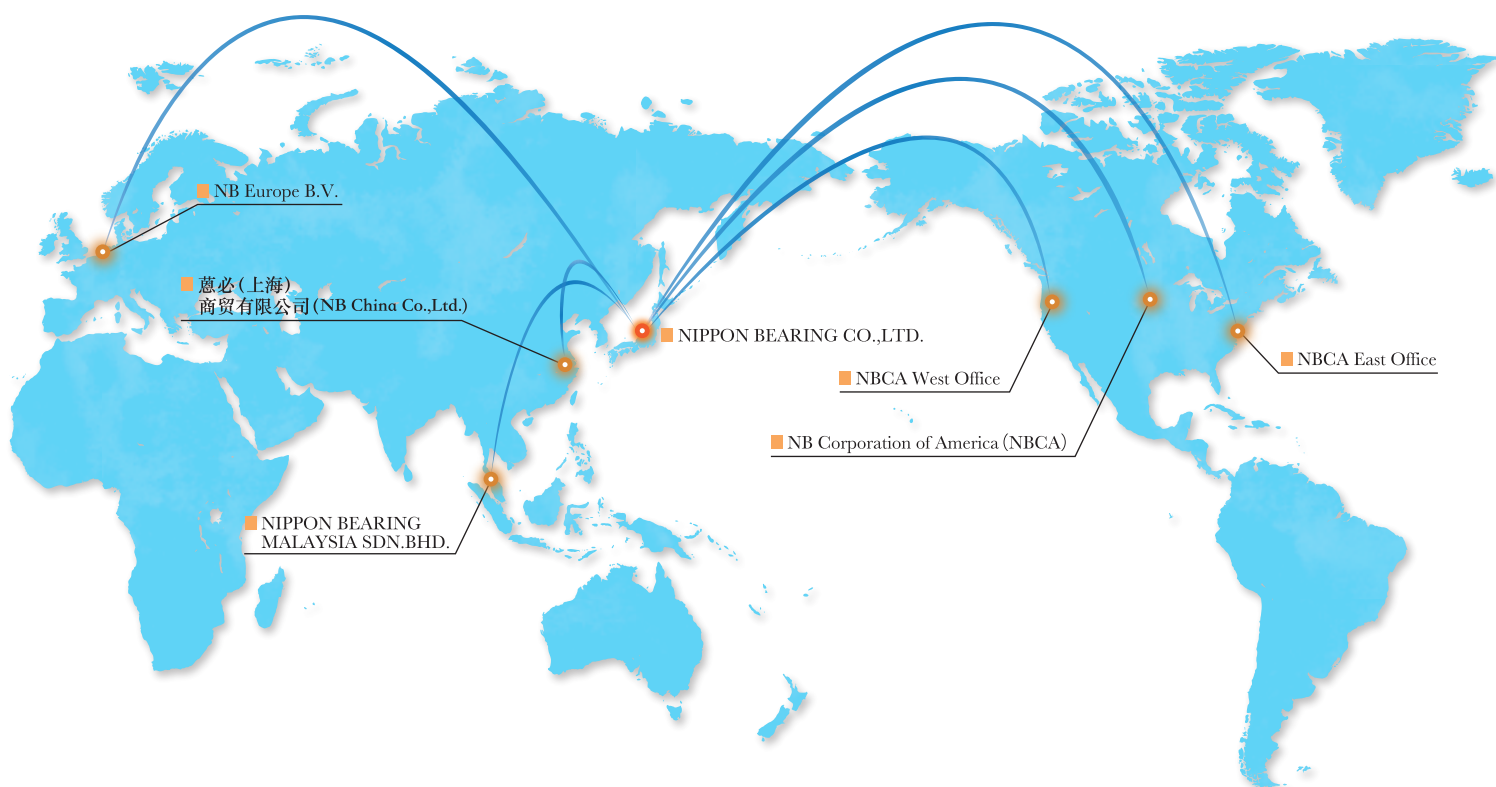
Over the years, we have honed our three key strengths by providing products from our extensive lineup to meet customer needs across various industries such as semiconductor, medical/pharmaceutical, factory automation(FA), and transportation infrastructure. Moving forward, we will continue to strengthen these three key strengths while addressing diverse needs.

In addition to bearings and slideways, we have accumulated a track record of being recognized by our customers in categories such as shafts, ball splines, and actuators, demonstrating our capability in providing products with stable quality and product design expertise. Furthermore, we have a proven track record of solving challenges by combining multiple product categories.

To address diverse market needs and individual requirements of our customers, we have compiled a collection of case studies showcasing our past experience in problem-solving. Alongside this collection, we will leverage our proposal capabilities and work collaboratively with our customers to tackle challenges.



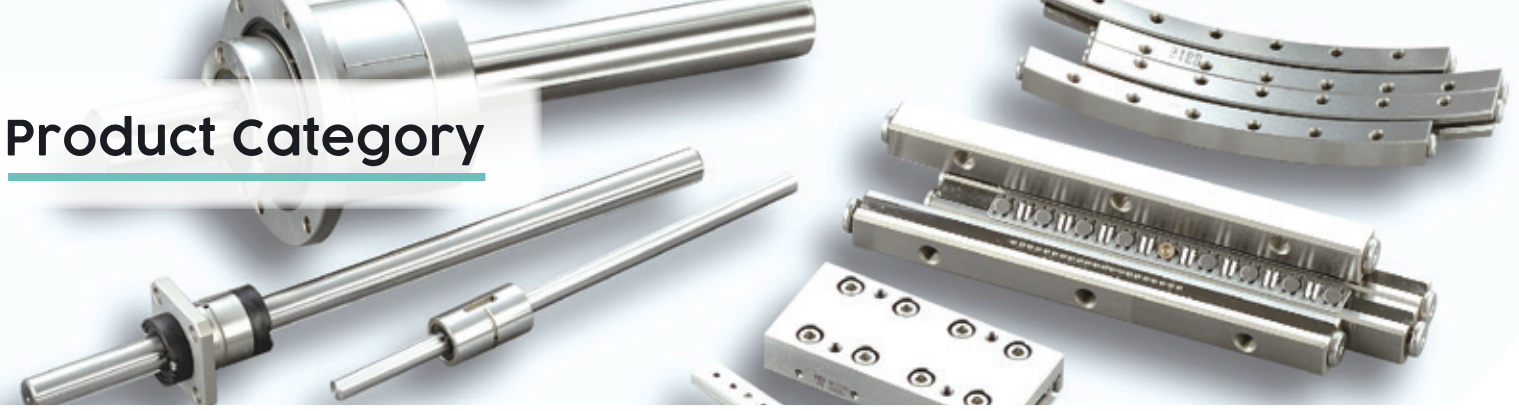
Overseas sales network



QUALITY



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



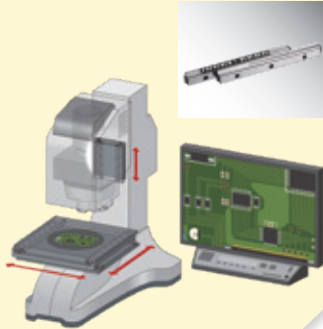
ACTUATOR is the product integrated a linear guide and ballscrew. It contains steel rails and has high rigidity.

Product Application Examples

■ Digital Microscope

NV • HV • SV

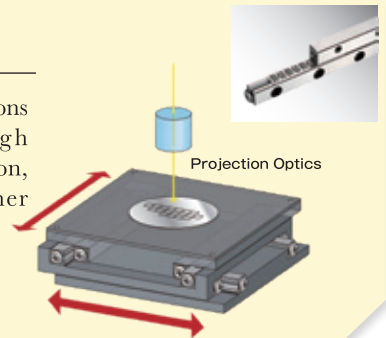
Compared to conventional products, NV and HV have a smaller roller pitch and wider roller contact length, resulting in higher rigidity and reduced shifting.



■ Stepper Machine

NV • HV • SV

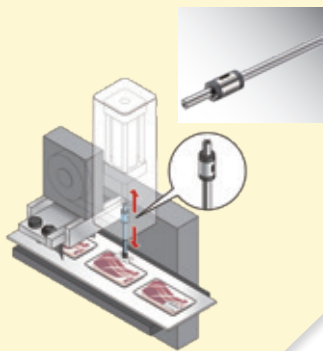
High rigidity reduces vibrations caused by repeated high acceleration and deceleration, which contributes to higher precision.



■ Labeller

SSP-AM

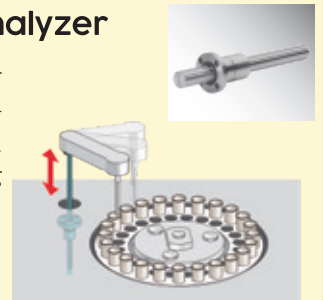
Precise rotational positioning is possible under high torque transmission while maintain smooth linear motion.



■ Clinical Automated Analyzer

SSP

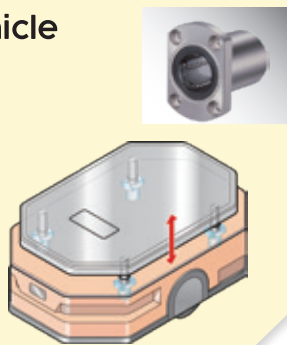
Gothic arch-shaped raceway enables precise torque transmission which contributes to positioning accuracy in the rotational direction.



■ Automated Guided Vehicle

SM • GM

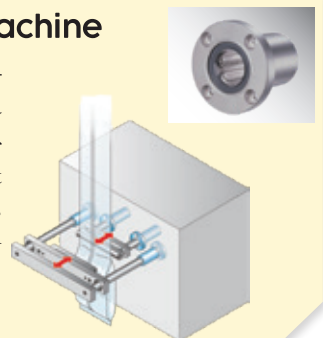
Used in the lifting mechanism of transport vehicles. It is possible to design a lifting section with lower cost. A wide range of variations allows you to select the best one for your equipment.



■ Vertical Packaging Machine

SM • GM

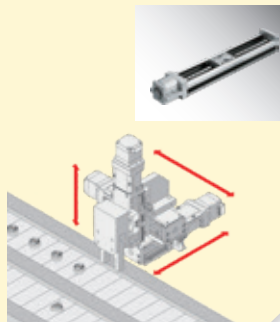
You can choose from a wide variety of options to match the size of your equipment. Corrosion-resistant specifications are also available, making it useful in the field of food processing.



■ Orthogonal Robot

BC

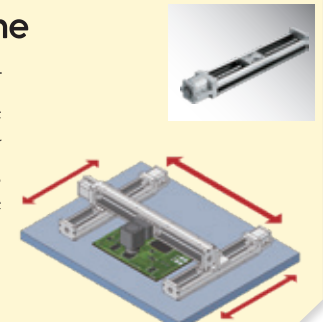
Contributes to simplifying robot work. High rigidity allows accurate positioning even in overhangs. They also have the advantage of price, easier to control, and take up less space than robotic arms.



■ PCB Inspection Machine

BC

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





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