



BEARINGS EUROPE | **NBI**®
Premium brand

gruponbi.com

Vision

To develop a company focused on the **design, manufacture, and commercialization of precision and high technical added value bearings**, aimed mainly at the industrial sector.

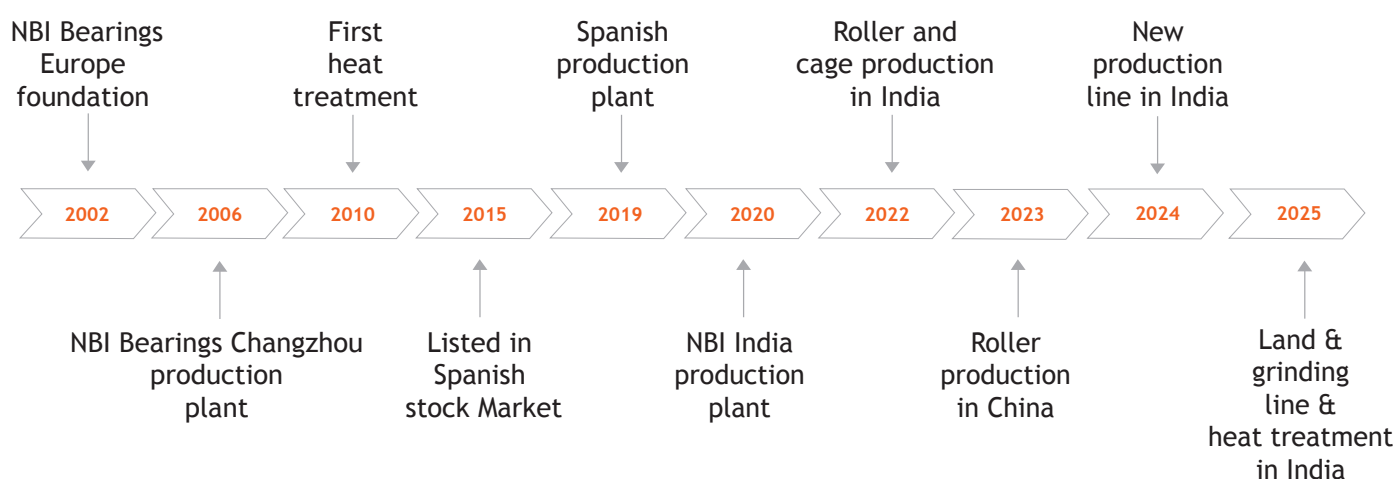
With a value proposition recognized by our clients and supported by the following pillars:

- Extraordinary customer service. Fulfill our quality commitments and delivery deadlines with close attention
- Continuous innovation focused on own product design and the continuous improvement of each and every one of our processes
- Pre-sales & after-sales technical service as a differentiating element
- Operational excellence focused on doing more with less

Focused on achieving:

- Persons committed and proud of working at **NBI**. Own Culture and Values
- Satisfaction of our clients, gaining their trust and loyalty through multi-year agreements, and consequently achieving a win-win relationship
- Satisfied shareholders generating sustainable profitability in the medium-term, always with absolute transparency
- Supply chain based on close and long-term relationships and mutual trust

NBI Bearings history milestones



Strenghts



Commercial capacity

Supplying bearings for a variety of OEM's applications with high technical requeriments.

Very active **commercial team** distributed across Spain, Romania, Italy, Turkey, Germany, Brazil, Mexico, Chile, Peru, Colombia, Ahmedabad, Durgapur and Coimbatore



Design and manufacturing

Continuous investment in **R&D** supported by own design softwares and life test simulation programs.

Manufacturing plants in Spain, China and India for CRB, SRB, TRB, CRTB, SPB and CF.



Financial Position

Solid financial health thanks to a robust cash position.

Publicly listed in the BME Growth (Spanish stock exchange) since 2015 with stable core shareholders.



Strategic alliances

NBI maintains a **strategic partnership** with Cronos (bearing manufacturer) with 30% equity stake.

Joint Ventures to integrate vertically the production of bearing components.

Global footprint of the bearings division



NBI BEARINGS EUROPE

NBI headquartes, R&D, designing, manufacturing plant, warehouse and sales office in Oquendo (Spain).

NBI INDIA

Manufacturing plant and warehouse in Ahmedabad (India).

NBI CHANGZHOU - CRONOS

Manufacturing plant warehouse and sales office in Wujin (China).

JERRY BEARINGS TRANSMISSION TECHNOLOGY

Roller manufacturing plant in Zhejiang (China).

EUROPE AND LATAM local sales support

in Spain, Romania, Italy, Turkey, Germany, Brazil, Mexico, Chile, Peru and Colombia.

INDIA local sales support

en Ahmedabad, Durgapur y Coimbatore.

NBI BEARINGS ROMANIA

Application engineering in Bucharest (Romania).

NBI SQA CENTER

Laboratories and SQA office in Wafangdian (China).

Manufacturing plants

Sales office, SQA

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NBI in fact - strong in numbers



- 3 Bearings manufacturing plants
- 2 Heat treatment lines (+1 in 2025)
- 2 Rollers manufacturing plant
- 1 Cage and guiding rings manufacturing line
- 5 Owned laboratories



Strong customer base of more than **1.000** customers



More than **5MM** bearing units produced a year



97% of revenue from OEMs.
Steady increase of market share



Supplying to **15+** industrial segments worldwide



More than **5.000** different references on stock from 15 mm ID to 1,6 m OD



· Engineering application
6 Romax licenses and Ansys license and own design software's (developed by NBI)

· R&D



Group revenues: **110m€**
Bearing revenues: **75m€**



700+ employees worldwide



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Product design

What is the Enhanced + bearing line?

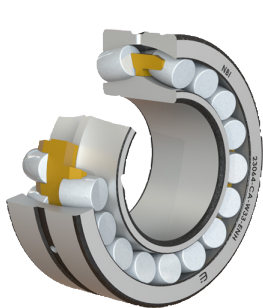
NBI combines experience in designing and producing bearings with material research and latest technology in manufacturing.

- Premium steel and improved heat treatment
- Tighter manufacturing tolerances
- Enhanced surface finish
- Optimized internal geometry and cage design

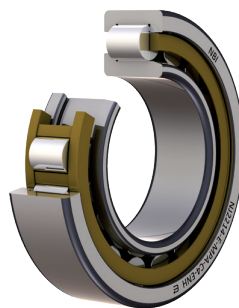


Enhanced + advantages

- Improved dynamic load rating and consequently longer operating time
- Reduced friction and lower operating temperature
- Downsizing possibility
- Lower overall costs



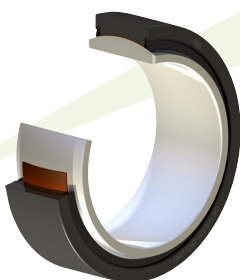
SRB
(Spherical Roller Bearing)



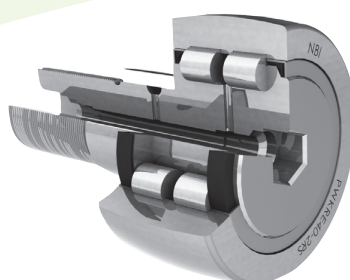
CRB
(Cylindrical Roller Bearing)



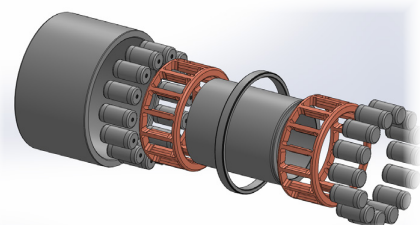
TRB
(Taper Roller Bearing)



SPB
(Spherical Plain Bearing)



CF
(Cam Follower)



Special Bearing

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In-house laboratories equipped with the latest technology

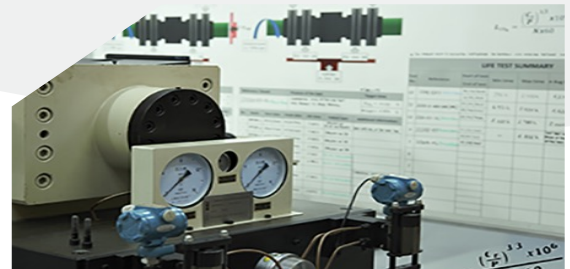
Metallographic laboratory

- Spectrometer and elementary inorganic analyzers
- Inverted optical brightfield microscope
- Focus Ion Beam (FIB) equipment for material structure composition & layer thickness analysis
- Hardness tester for HRB, HRC & HV
- X-ray fluorescence measuring system
- Magnetic particle test bench
- Scanning electron microscope for fracture & substructure analysis
- Submerged ultrasonic bearing automatic inspection for internal defects
- Nital etching for grinding burns inspection
- X-ray diffractometer for the detection of stresses and retained austenite content
- Dilatometer for thermal stabilization & simulation of heat treatments



Metrology laboratory

- Conditioned quality room equipped with temperature and humidity control systems
- ZEISS coordinate measurement machine 3D
- Taylor Hobson roundness testers for small and large rings as well as for harmonics
- Taylor Hobson profilometer-roughness testers
- Optical comparator to measure contour form
- Trimos high precision calibration system for creating own masterpieces and in-house calibration of measurement devices



Other tests laboratory

- Accelerated bearing life testers
- Equipment to measure and evaluate capacities and behavior of different sealing systems for bearings
- Tailor-made machine to test adherence between fabric & steel
- Salt fog chamber for evaluating different advanced anti-corrosion coatings performance
- Virtual tool for bearing performance analysis

NBI Quality

NBI has the latest state-of-the-art heat treatment technology and equipments

Quality control inspection procedure throughout the whole bearing manufacturing process.

The most advanced heat treatment

Martensitic hardening: high hardness.

Bainitic hardening: strength to resist fracture and absorb shocks.

Case hardening: can endure heavy shock loads.

Surface coatings available

Zinc coating: to protect from corrosion.

Black oxide: for running-in and under poor lubrication.

Hard chromium: to resist corrosion, wear and friction.

PTFE: for starting up and reducing stick-slip phenomenon.

DLC: for high mechanical strength, reduced wear and optimal friction properties.

Nitriding / Nitrocarburizing: increases the resistance against fatigue, wear and corrosion.

Multi-location manufacturing plants

Oquendo (Spain)

- Investment up to €10MM
- 2.500 m² surface for manufacturing (total area 8.500 m²)
- Latest European manufacturing technology to achieve high-precision bearings
- Long term investment plan in place for 6m€ to reach 1 meter OD bearing
- Certified with: ISO 9001: 2015



Current capacity (mm)		Incoming capacity (mm)	
Inner diameter	80 ÷ 240	Inner diameter	240 ÷ 700
Outer diameter	100 ÷ 400	Outer diameter	400 ÷ 1.000

Wujin (China)

- Investment up to 40m€
- 25.000 m² surface for manufacturing (total area 35.000 m²)
- Latest technology to achieve high-precision bearings equipped with an Aichelin through hardening line and case carburizing line for multi row roller bearings
Fully automatic roller production plant (CR, SR)
- Certified with: IATF 16949:2016. TÜV, ISO 14001:2015. DNV and ISO 45001:2018. DNV



Current capacity (mm)		Outer diameter
Inner diameter	15 ÷ 1.400	30 ÷ 1.600
		Specialized in CRB and TRB

Ahmedabad (India)

- Investment up to 10m€
- 3.000 m² surface for manufacturing
2 bearings grinding lines
SR roller grinding lines
Steel cages production line
- In 2025
Committed investment 6m€
10.000 m² new plant under construction
New grinding line (Planetary bearings)
Heat treatment line
- Certified with: ISO 9001: 2015 TÜV



Current capacity (mm)		Incoming capacity (mm)	
SRB-TRB		SRB	
Inner diameter	40 ÷ 125	Inner diameter	120 ÷ 200
Outer diameter	100 ÷ 200	Outer diameter	< 500

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Bearing performance optimization

Computer simulations and full application analysis by considering all conditions and influences of known environmental factors to achieve optimum performance



Advanced calculation capabilities

Analytical and simulation tools used by NBI: Romax, Ansys and E*asyc, E+vitope and E*desoft (developed by NBI)



Lubrication analysis

Current lubricants' performance evaluation and improvement measures with recommendations for the best lubrication solutions suitable to applications



Bearing damage analysis

Finding out and understanding the causes of bearing damage: FEA, visual, dimensional, metallurgical evaluation



Assistance for maintenance issues, fitting practice, internal clearance selections

Analysis and reporting submission backed by NBI's fully equipped metrology, metallographic and other tests laboratories to best guide and support customer to select parameters

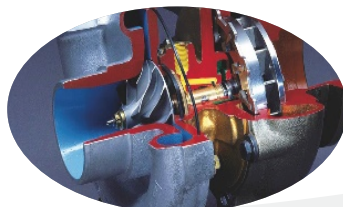


Technical trainings and seminars

Sharing NBI's expertise for the benefit of its clients' technical and maintenance staff

NBI's clients and strategic industries

NBI's extensive experience and in-depth knowledge in a wide range of applications has positioned it as the optimum solution for many leading machinery manufacturers.



Heavy lifting & material handling
Gearboxes & drives
Wind power
Railway
Oil & gas
Construction equipment
Compressors & pumps
Agricultural machinery
Axles & transmissions
Feed & biofuel
Tube & wire
Mechanical presses
Hydraulics
Mining & aggregate
Steel industry equipment
Mechanical pulps & grabs

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Personalized services to clients

Team formed by 25 people, a combination of Key Account Managers (KAM) and Customer Service (CS). Focused on and fully dedicated to satisfy customer's needs.

- A team of two people assigned to each customer for a better communication. One KAM / one CS (speaking customer's language fluently)
- Team regularly visiting and phoning to maintain a fluent and direct personal relation with the customer
- NBI's newsletters to keep clients updated
- Each client's information is centralized and accessible in NBI's own data base. Very systematic business method

Frame agreements

NBI's compromises

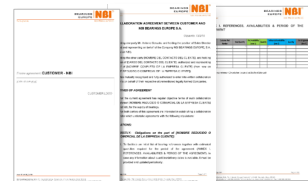
- Maintain a percentage of the agreed contract quantity as safety stock to satisfy unexpected demands
- Provide price stability during the period of the agreement
- Update periodically evolution of orders, deliveries and deviations between the original estimations and real demands
- Better adaptation to future deliveries (based on an initial estimation and adjusted by real figures)

Client's compromises

- Consume the quantities of the references to which the customer committed to in the period of the agreement
- Provide a visibility of the next 3 months' confirmed deliveries
- Update periodically estimations for the incoming 6 months to be able to react accordingly



Frame agreement follow-up report



Frame agreement template

Sales office and multi-location distribution centers

NBI's team is present around the world in order to attend client's queries and propose solutions in the quickest and most efficient manner.

NBI's sales offices, together with its dealers' network, are ready to provide an outstanding personalized service no matter where the client is located.

Warehouse in Europe (Spain), India (Ahmedabad) and China (Wujin) to better attend region to region demands.

Key benefits with NBI



Own & technically
advanced manufacturing
set up



Strategic stock
locations and wide
range available



Best
alternative of
premium brands



Globally recognized
brand by
leading OEMs



Strong
value
for money



Standard and
tailor-made
solutions



Customer
centric
mindset



Application
engineering
support



Multi-language
sales
force



Strong
high-durable
packaging

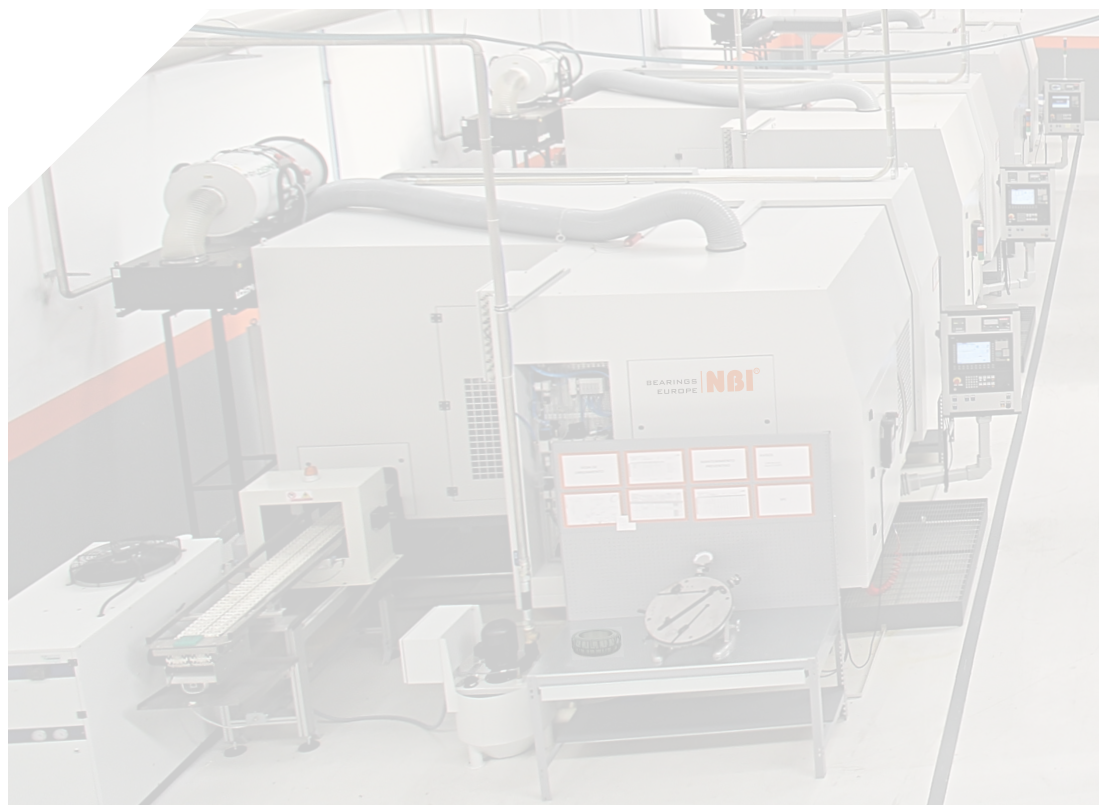


Improve
customer's
profitability



Financial
strength

<https://es.linkedin.com/company/nbi-bearings-europe>



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Distribuidor autorizado NBI no Brasil

Apresentação NBI Bearings Europe

A Mippei Tecnologia Industrial é distribuidora autorizada NBI Bearings Europe.

Sede em Curitiba/PR, com atendimento técnico para todo o Brasil.

Fale com a engenharia de aplicação para selecionar o rolamento certo para a sua máquina.

Fale com a Mippei

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