

NBI industrial Elorrio



Bearings - Metal transformation - Aluminium injection and machining

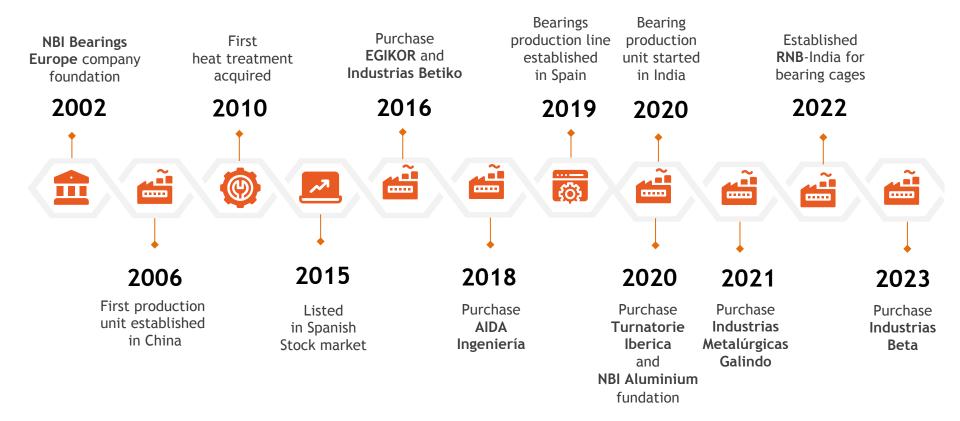


NB industrial Elorrio

Stamping and assembly

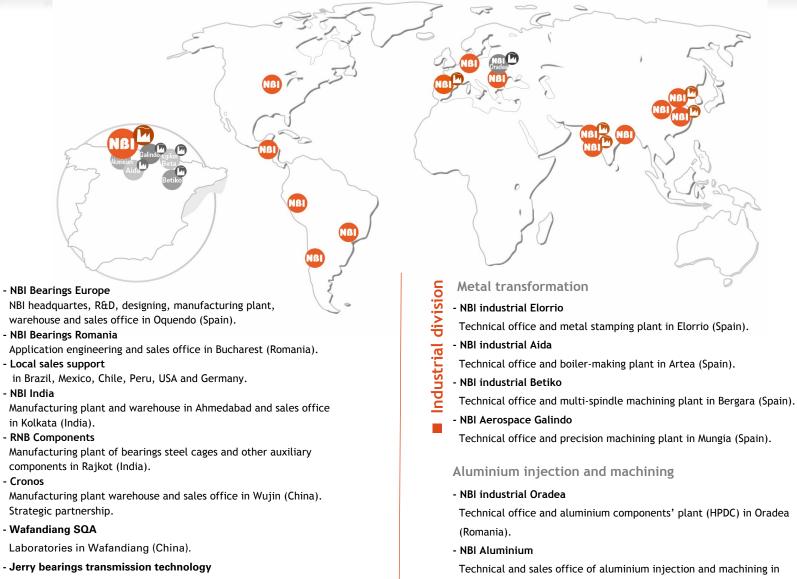
NBI history: milestones





NBI group at a glance

Bearings division



Oquendo (Spain).

Roller manufacturing plant in Zhejiang (China). Strategic partnership.

NBI Industrial - Stamping and assembly

General information

Activity Production of metal components by cold stamping and assembly, using materials such as high tensile steel, stainless steel and copper.

Production and warehouse: 5.000 m²

Working Force 70 employees

Turnover 18,5 M€





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grupo

Products and industry



Elevation industry

Large-scale reinforcements, assembled sets, visible parts with powder paint, stainless steel parts.

Automotive industry

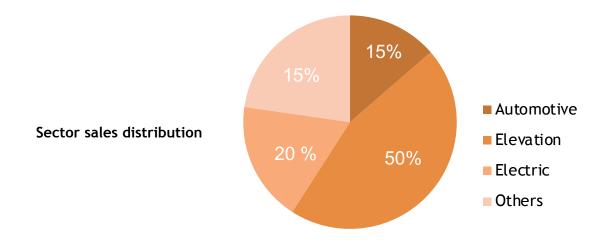
All kinds of hinges, inserts, shock-absorber covers, bushings.

Electric industry

Copper bending and stamping. Vast knowledge of copper processing means we can perform new bending and stamping operations, reducing the amount of raw material necessary, and thereby lowering manufacturing costs.

Other industries

Components and sets used in industries such as storage, capital goods, furniture.





Cold stamping machinery

Power	Nº	Be	ed	Fee	der
Tower	••-	length (mm)	width (mm)	thickness (mm)	coil width (mm)
630 TN	1	3.200	1.500	0,8> 6	1.000
400 TN	3	3.000	1.200	0,8> 6	650
315 TN	1	1.300	1.030	Ма	nual
250 TN	1	2.400	900	0,6> 8	600
250 TN	1	1.500	1.000	0,8> 6	400
250 TN	3	1.450	750	0,8> 6 400	
160 TN	5	1.300	800	0,3> 4	300
(60 TN> 250 TN)	15			Manual	



Welding and assembly

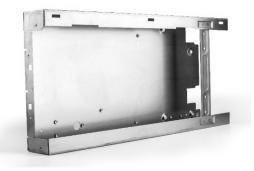


We manufacture small and large sets, assembling everything from simple nuts and bolts to complex sets made of several different components.

Used Techniques :

- Resistance welding.
- Fill-material welding: MIG / MAG / CO2
- Inserting nuts, screws, rivets, embedded elements, hemming...





Surface treatments



Commonly used treatments:

- Cataphoresis
- Zinc and zinc alloys
- Zinc Nickel
- Powder paint
- Silver plating



Part samples



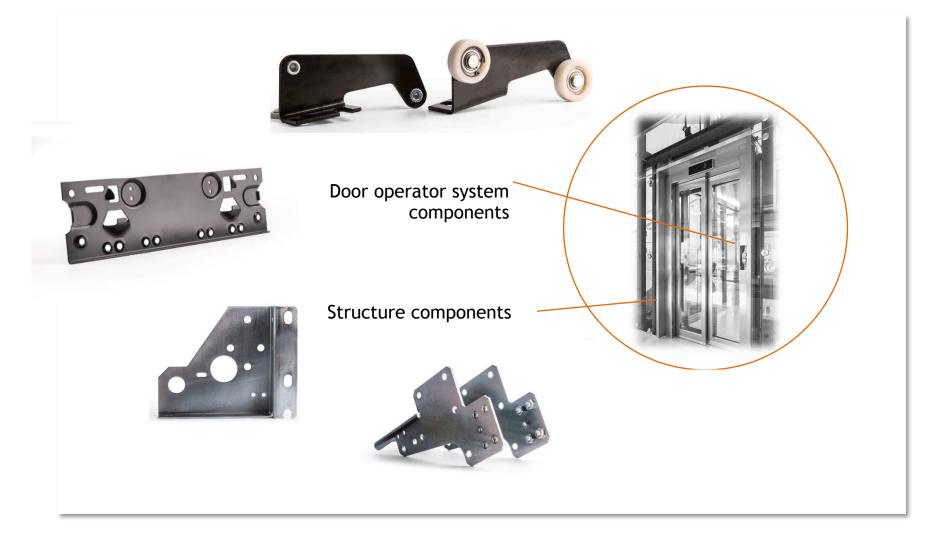
Automotive sector



Part samples



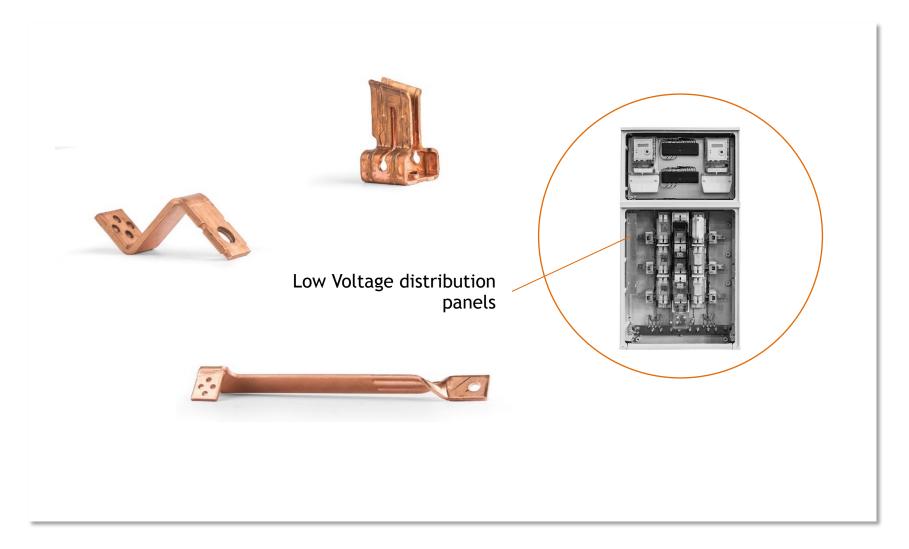
Elevation sector



Part samples



Electrical sector







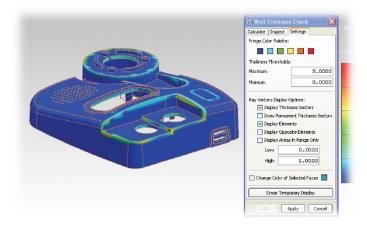
grupo **NBI**®

NBI project management



RFQ main activities

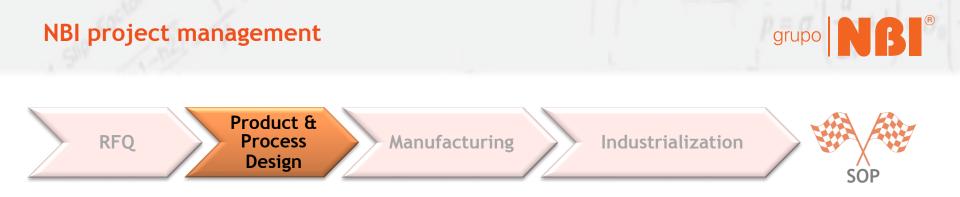
- Technical feasibility analysis (simulation if necessary)
- Production capacity verification
- Quotation submission (CBD)



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num.			Inal									
Drawing N.	Description	Anual quantity	Material	Material (6,6g)	Net unight	Laux (N)	Grass seight (Fg)	Material cost (6%)	Gas (K/v)	Eastrally	Added value (Kiu)	Part prio
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-54	numing test 2 cault	na 1800 Na 195 with gurch	have arrive . 157 Lead time Records :	a with samples deriv	of tool & of you							



CBD/Quotation example



Product & Process Design main activities

- Project team kick-off (project manager, quality, customer service, technical coordinator)
- Project plan definition. APQP launching
- Detailed technical analysis: simulations, process, tooling design
- Tooling Design freeze / PFMEA / Control plan



Business team + plant team

Kick-off check list

Project plan timing

Process & Tool design validation

NBI project management





Manufacturing main activities

- Tooling sub-suppliers nomination
- Tooling manufacturing outsourcing
- Tooling buy-off at supplier (static & dynamic)
- Plant readiness preparation



NBI project management



RFQ

Product & Process Design

Manufacturing

Industrialization



Industrialization main activities

- Tooling shipment to NBI Plant
- Process set up parameters
- PPAP approval
- OTOP samples production







In-house metallographic, metrology and other tests laboratories equipped with the latest technology. Strategic partnership with some of the most advanced Spanish technological centers: CEIT and Tekniker These fully equipped laboratories are shared by the application engineering, design, R&D and manufacturing teams.



Our quality policy, based on continuous improvement of processes, is oriented to the search for the complete satisfaction of our clients, creating a safe and respectful work environment. Certifiqued with: ISO 9001:2015, ISO 14001: 2015 and IATF 16949:2016.

Certificate of Approval	Certificación EGIKOR SA		Ruyds Register	Report SEP 200
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Key benefits with NBI group







NBI industrial Elorrio

Pol. Ind. Betsaide pabellón C. 48230 - Elorrio (Bizkaia) - Spain

Tfno: (+34)943 172 550