

Say hello to Runningo

A lively character who represents NBC's long-lasting solutions.

'Lambi race ke liye!' is his motto and he lives up to it, no matter what.

You'll see him around more often as he educates, entertains and enlivens.



National Engineering Industries Ltd

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The world of movement starts from India



 **CK BIRLA GROUP**



ABOUT US

NBC Bearings is a leading brand of bearings owned by National Engineering Industries (NEI).

Part of the US \$2.4 billion conglomerate CK Birla Group known for its world-class businesses present in five continents, NBC was founded in 1946 in Jaipur and is India's first bearings manufacturer.

Since then, NBC Bearings has grown from a pioneer in India, to become one of India's largest exporter of bearings and flexible engineering solutions, renowned for its superior quality, precision and durability. Over 20% of NBC's total revenue is generated from exports to over 30 countries.

In fact, NBC is the only bearing manufacturer in the world to receive the prestigious Deming Grand Prize (Japan) for Total Quality Management.

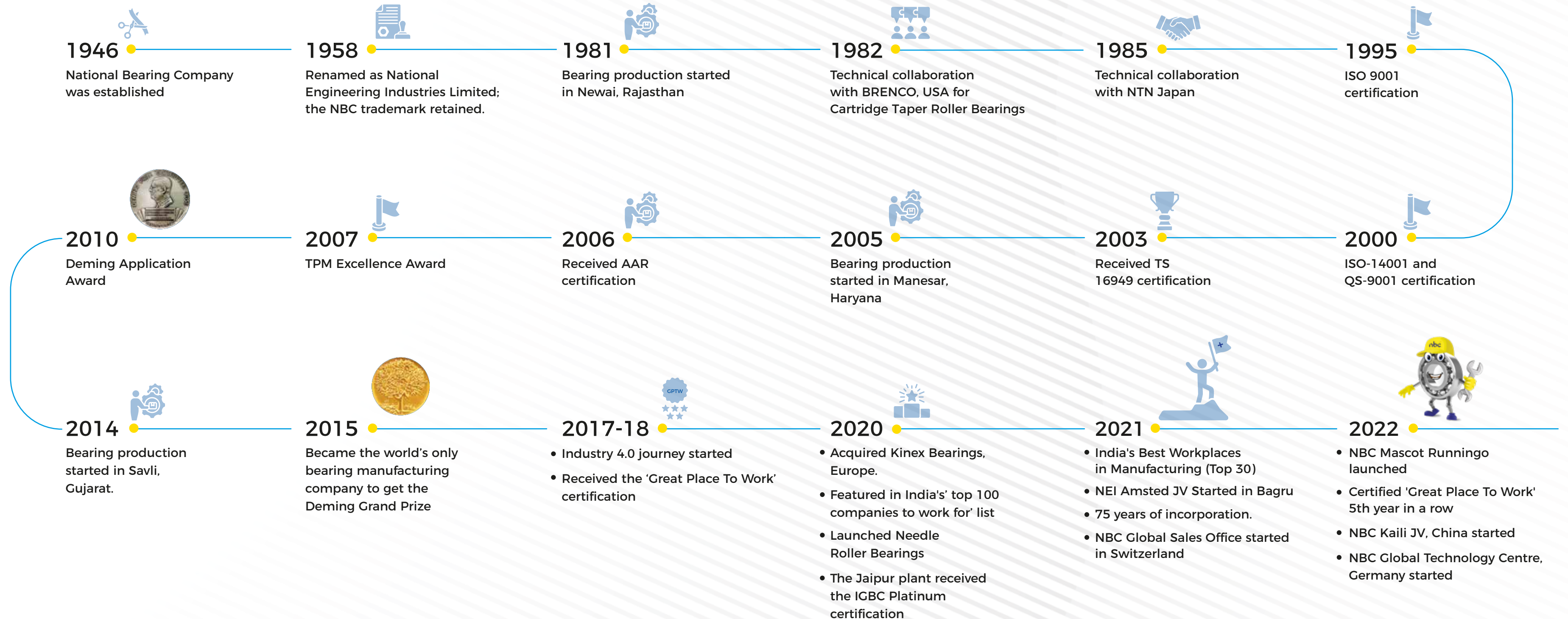
In 2020, NBC acquired Kinex Bearings in Europe to expand its product portfolio and global footprint.

In keeping with the spirit of the CK Birla Group for setting exceptional standards through knowledge, innovation and constant R&D, NBC Bearings today form a critical part of the machinery used in Automotive, Railway, Industrial, Aerospace and many other sectors.

For over 75 years, NBC is creating products that perform. With digitization across its five state-of-the-art plants and latest technology, it is '*Enabling sustainability by making movement more efficient*'.



NBC MILESTONES



AUTOMOTIVE

Smooth vehicles run on smooth bearings

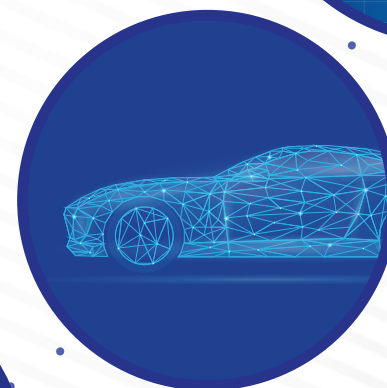
As the automotive industry shifts gear and moves into the next phase of manufacturing lighter and more efficient vehicles, choice of components will play an even more critical role.

NBC Bearings has been partnering automotive OEMs across Europe, America and Asia to provide customised bearing solutions.

With emphasis on weight reduction, fuel efficiency, low torque and low noise, NBC is driving both the present and future of commercial vehicles, agri equipment, cars and two/three wheelers.

NBC Bearings is also the preferred choice for many Indian and international Electric Vehicle manufacturers.

After all, when the reputation of an automotive brand rides so much on the vehicles it makes, it needs to choose bearings whose reputation is proven on some of the toughest driving conditions in the world.



RAILWAYS TECHNOLOGY AND

Bearings that take the load of public safety

Railways have gone through many upgradations. However, there is one thing that has not changed much. It is the choice of bearings.

NBC has been developing railway bearing solutions since 1952 for the world's longest network of passenger and freight trains: Indian Railways.

There's a lot that rides on every railway system. Public safety, reliability, punctuality. These are qualities that can't be compromised. Which is probably why, every bearing used needs to be time-tested and proven.

NBC Bearings are world-class and 'Made in India'. This ensures regular supply of a wide variety of bearings used in drive system and auxiliary equipment.

These bearings deliver exceptionally high performance, reliability and long periods of maintenance-free service. This helps NBC support rail companies around the world in their mission to provide quick, safe, and dependable transport within limited budget.

NBC has in-depth understanding of the requirements and has proven capability to manufacture the complete range of products to meet these requirements.



INDUSTRIAL

The new Industrial Revolution starts with rotation

Modern-day industrial production becomes efficient, when all machinery parts move efficiently.

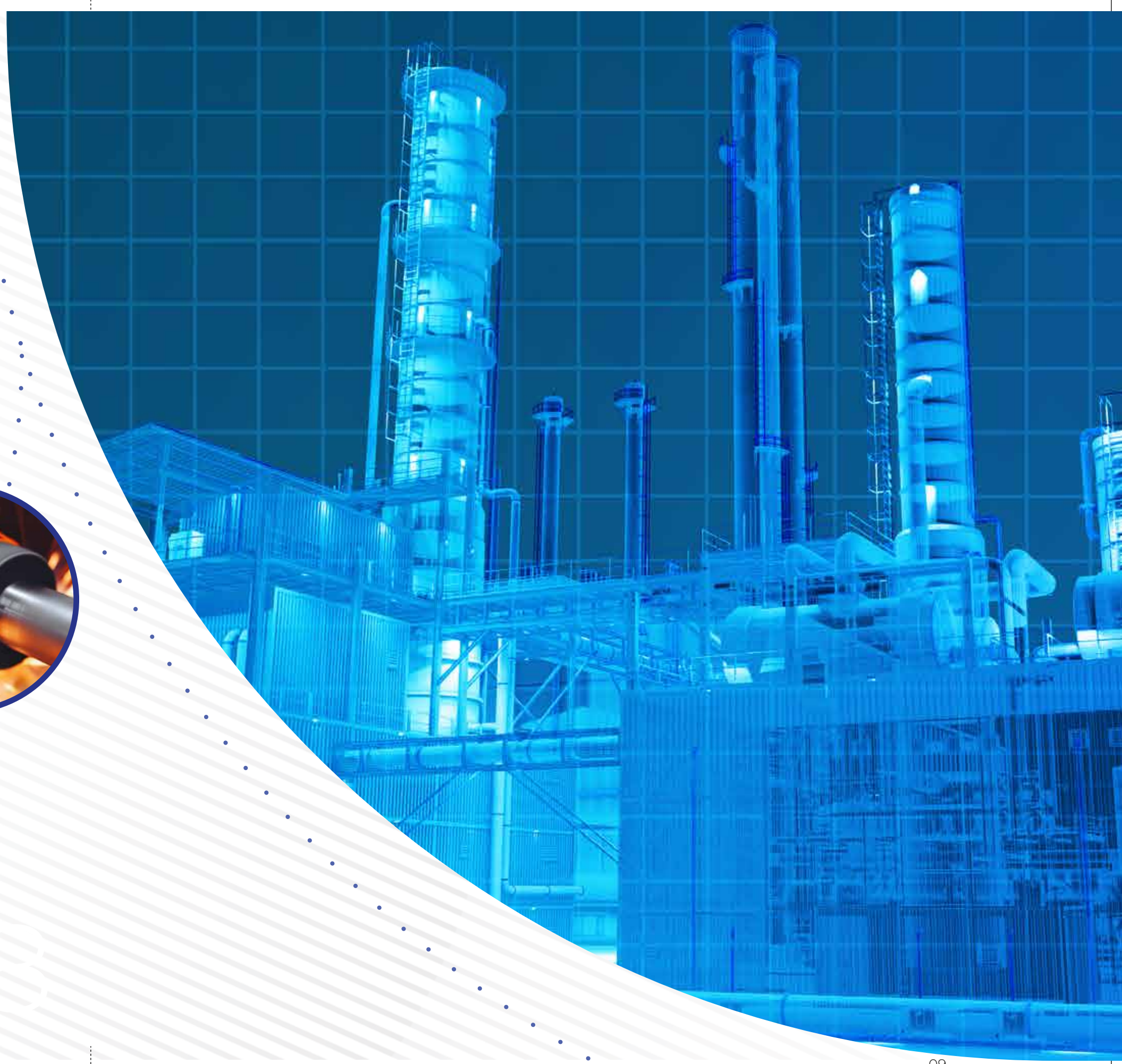
Industries need tough, durable and practical bearing solutions that efficiently work even in the most challenging and some of the most contaminated working environments.

Be it in cement, steel, power or indeed, any industry, downtime of machinery can be huge loss.

With a wide range of bearings that can take heavy load, intense heat and are backed by our specialized condition monitoring services, which include vibration analysis, dynamic balancing, laser alignment and predictive maintenance (AMC), NBC brings in high reliability and low maintenance costs into every industry.

No wonder, most OEMs in industry choose NBC Bearings and recommend the same for replacement and overhaul.

- **Paper Mill**
- **Chemical**
- **Cement Plants**
- **Power Plants**
- **Steel Manufacturers**
- **Industrial Aftermarket**
- **Construction**
- **Oil & Gas**
- **Textile & Handloom and many more...**



AEROSPACE

World-class quality over Indian skies

As part of the 'Make in India' initiative, NBC now provides world-class and a comprehensive supply of engineering solutions for the aviation industry, right here in India.

NBC's recent acquisition of Kinex Bearings in Slovakia, which has vast experience in aerospace bearing design and manufacturing, brings in wide experience and knowledge of the sector.

NBC is working closely with various customers in India and abroad to develop advanced design, testing and validation capabilities.

Soon, the aerospace industry can soar from India with hi-precision bearing solutions, light weight critical components and a cost structure that doesn't weigh you down.



PRODUCT RANGE

Available in sizes from 06 mm bore to 2000 mm Outer Diameter*

- Deep Groove •
- Gen - 1 •
- Gen - 3 •
- Angular Contact •

Ball Bearings



Needle Bearings

- Single Row •
- Double Row •
- Four Row •
- Unitised Tapered Roller Bearing
- Cartridge Tapered Roller Bearing (Railways)

Tapered Roller Bearings



- Single Row •
- Double Row •
- Four Row •
- Cylindrical Bearing Unit (CBU)

Cylindrical Roller Bearings



Thrust Bearings

- Ball thrust
- Roller thrust



Pillow Block Bearings

- UCP
- UCF
- UCT

- Roller •
- Plain •

Spherical Bearings



Special Products & Technology

- Oil Impregnated Polymer Lubricated
- EMB Series High Speed (EV application)
- SIB Series Sensor Integrated
- Bearing with Conductive Wire
- TRB Hub Unit
- Low Torque TRB
- Pre-set Hub
- Insuohm Series (Insulated)
- Ceramic Rolling Element (Hybrid)
- TRB Matched Set
- Black Oxide Treatment
- HCR Series

*Products with special features like high temperature application, special heat treatment, coated roller/races and cage options are also available across product range.

TECHNOLOGY AND INNOVATION

We better ourselves every day

At NBC, good is not good enough.

With global consultancy, university partnerships, as well as a strong in-house R&D team, NBC is always one rotation ahead in the world of bearings.

Technology centres in Germany, Slovakia and Jaipur are equipped with best-in-class facilities to innovate and create bespoke solutions for customers around the world.

NBC's R&D team uses established stage gate processes and works on advanced equipment, sophisticated machinery and state-of-the art software packages, in specialized areas.

Its R&D division has been receiving an average of 7 patents every year, a clear indication of fast-growing innovation and self-reliance on our own independent research capabilities.



SUSTAINABILITY

Environment-friendly plants: NBC's Jaipur and Vadodara plants have been issued Green Factory Building Platinum Certification by IGBC. The Jaipur plant is one of India's oldest buildings to achieve this prestigious feat.

Low carbon emissions: 0.105 M tonnes of net equivalent carbon emission from five manufacturing plants. A stark contrast with 1.225 M tonnes from 94 immediate bearing manufacturing competitors.

Efficient energy management: NBC uses advanced EMS portals for real-time monitoring of its power consumption trends, power saving and predictive maintenance.

Renewable power generation: NBC's own solar power plants generate up to 4.4 mW power. Its solar power consumption has seen a steady increase over the years.

Water conservation: NBC saves over 6 million litres of water annually through rainwater harvesting within factory premises. The Jaipur plant's water consumption has gone down by 40% in the last five years.

Zero wastewater discharge: Effluent Treatment Plants and Sewage Treatment Plants treat the wastewater which is reused in landscaping and other needs within the plant. This results in zero discharge outside the plant.

Reusable/returnable packaging: In its efforts of reducing waste and minimizing carbon footprint, NBC has started using returnable packaging solutions.



GREAT PLACE TO WORK

NBC doesn't just make world-class bearings, it also provides a world-class environment to work.

For years now, NBC has been ranked as a 'Great Place to Work' in Manufacturing and in Auto Components sector.

After all, it is the people behind the machines and the processes, who make NBC a leader.

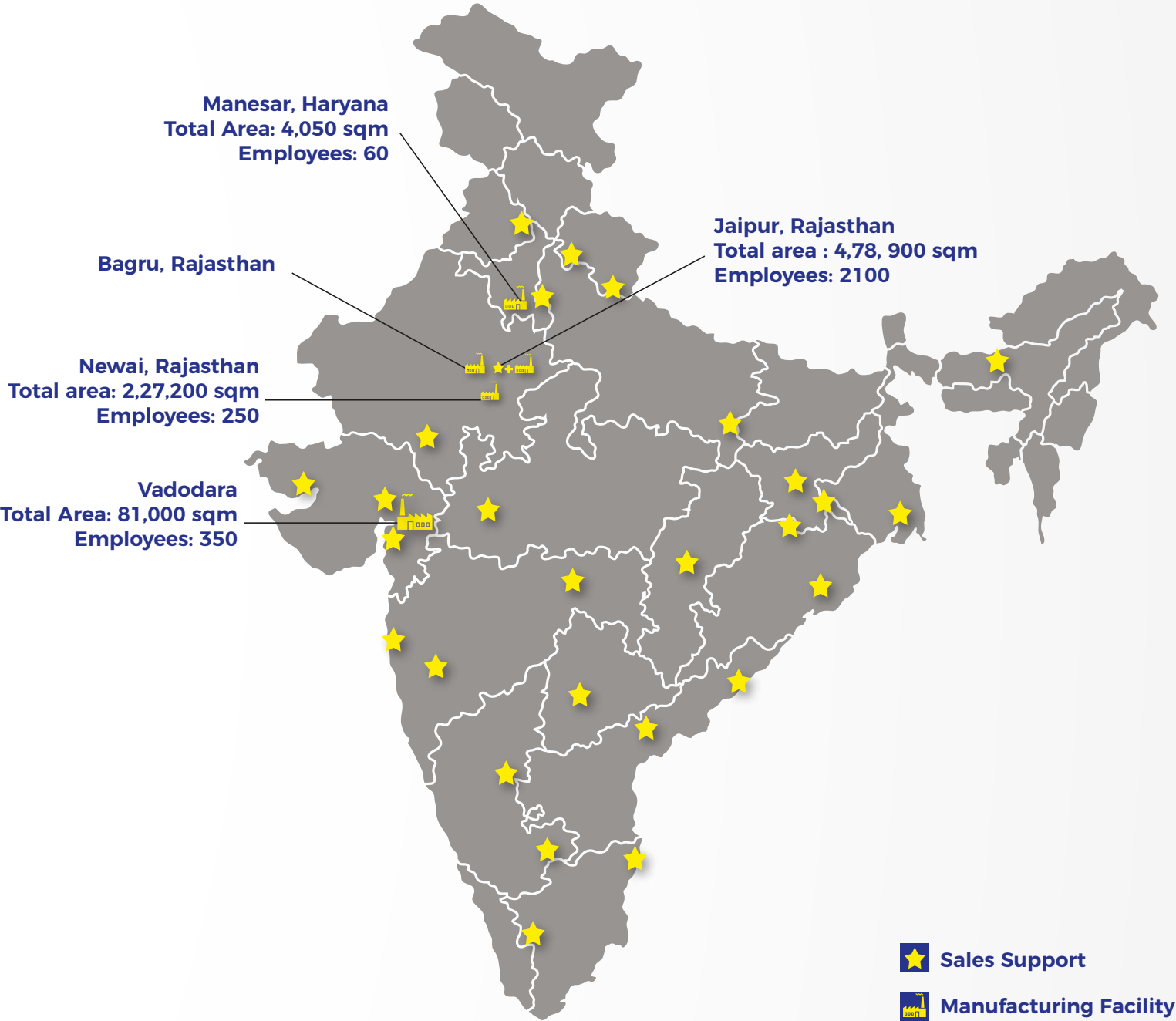


Our global footprint



Exporting to over 30 countries

Our India footprint



Over 550 stockists and thousands of
retailers across India