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**BEARING
SOLUTIONS
FOR YOUR
INDUSTRY.**

www.rbibearing.com + 1-800-708-2128

WE PROVIDE MORE THAN BEARINGS, WE PROVIDE SOLUTIONS.

RBI Bearing is a bearing solutions provider specializing in the production of bearings for extreme industrial applications from Steel Mills to Construction Equipment. Faster lead times, an expanding product line, state-of-the-art factories and a proprietary product quality management system has positioned RBI as a performance leader in the bearing industry.

All of our bearings can be manufactured with our Armor Bearing Technology to significantly extend the life of your bearings and reduce metal to metal friction - *saving time and operation costs*. As a value added service, we offer precision machined parts, casting and assembly capabilities providing our customers a comprehensive set of services.

RBI is part of the RB International Group of companies focused on providing quality products, innovative bearing solutions to the global market. RB International Group is comprised of **RBI Bearing USA, RB Precision Bearing Co., RBI/AFC Precision Manufacturing Co., RB International Trading Co. and AXPB/RBtech**. All of these companies joined forces in 2009 making RBI one powerful source for all of your bearing and power transmission requirements.



CORPORATE HEADQUARTERS

RBI is headquartered in Roselle, IL. This location serves as the main source for all of our stateside engineering, sales, marketing, warehousing and product distribution. We maintain an substantial inventory level in our warehouse to accommodate both our OEM and distributor partners.

- Centrally Located Warehousing
- Custom Stocking Programs
- Custom Packaging/Private Label
- Bearing Application Assessment
- Engineering & Technical Support
- Experienced Sales Staff
- Reliability/Customer Satisfaction



INDUSTRIES & APPLICATIONS

RBI manufactures a diverse range of bearings that support a wide variety of industrial applications. Decades of experience and industry knowledge has resulted in expanding RBI's product line and the industries we serve. RBI delivers solutions to fit your industry from harsh demanding applications in extreme environments to sterile, non-corrosive environments.

- Construction Equipment
- Mining Equipment
- Steel Production
- Agricultural Equipment
- Outdoor Power Equipment
- Oil & Gas
- Planetary Drives
- Pulp & Paper
- Food & Beverage Processing Equipment
- Material Handling & Conveyors
- Electric Motors
- Gear Boxes & Pumps
- Generators & Screw Compressors
- Hub and Axle
- Elevator & Escalators
- Fitness Equipment



“RBI Bearing’s Armor Bearing Technology has been beneficial to our production line by increasing the bearing life and saving time and money by eliminating the need to grease bearings. We also avoid marking the finished product with dripping grease in high heat applications.”

- Major Steel Manufacturer

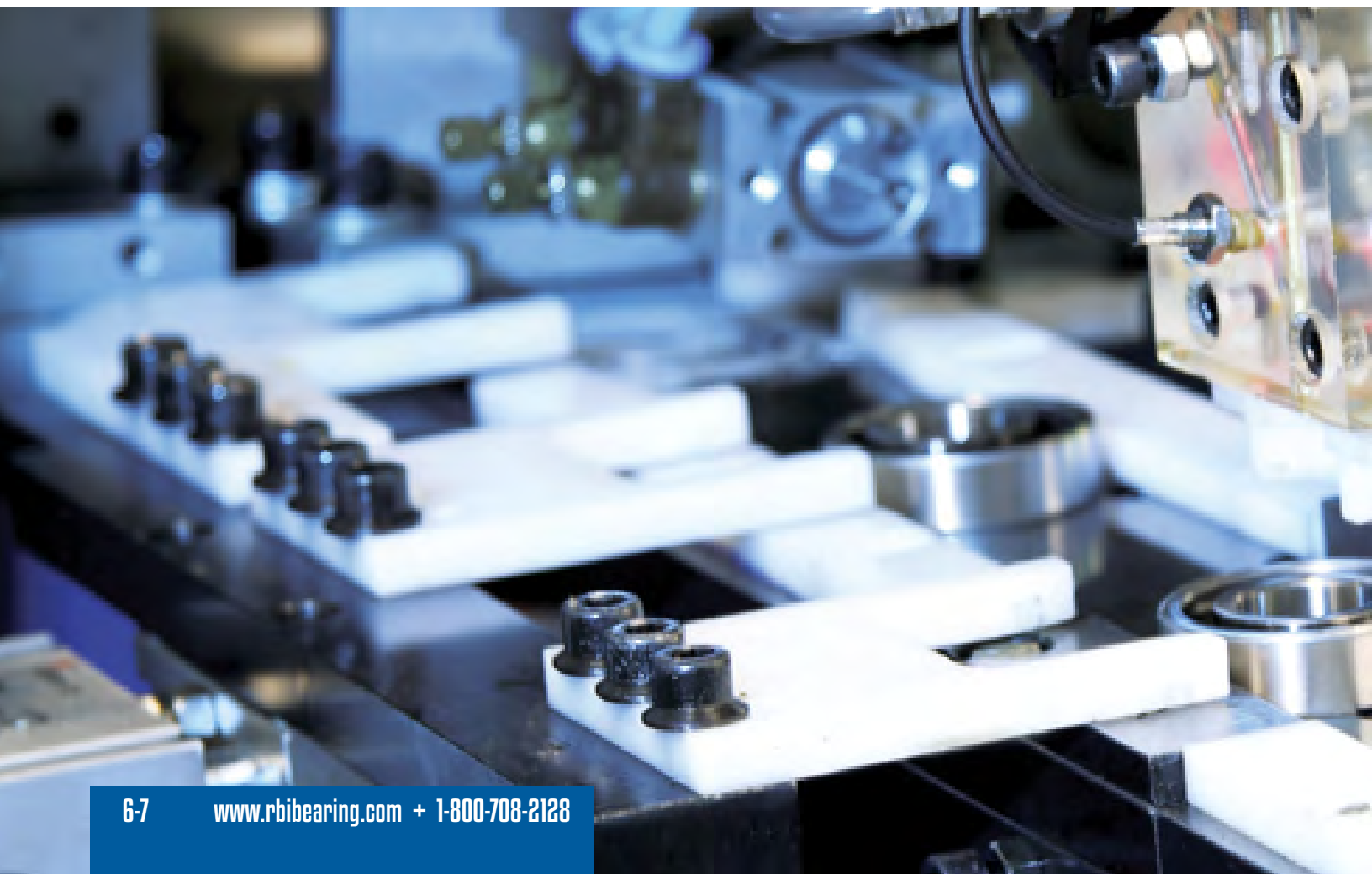


BEARINGS & MOUNTED UNITS

RBI provides quality bearings and mounted units that are used throughout industries worldwide. We manufacture a full range of popular bearing types including miniature inch and metric ball bearings, common metric (6000, 6200 and 6300) and inch series ball bearings, angular contact ball bearings, tapered roller bearings, cylindrical roller bearings and spherical roller bearings.

Our bearings are available in 52100 high carbon bearing steel and 440C stainless steel. RBI's ball bearings meet ABEC 1 precision grade and use grade 10 precision balls to provide smooth running and quiet operation. Common high temperature lubricants and food grade greases are available. RBI's ball bearings can be provided open, with seals or steel shields. Most of our bearings can be customized to meet the requirements of your specific application.

RBI's mounted units offer housings in various materials such as cast iron, stainless steel, thermoplastic or ductile iron. Our mounted units are available in a variety of common design configurations such as pillow block, 2 bolt flanges, 3 bolt flanges, 4 bolt flanges and take up units that are interchangeable with major bearing brands.

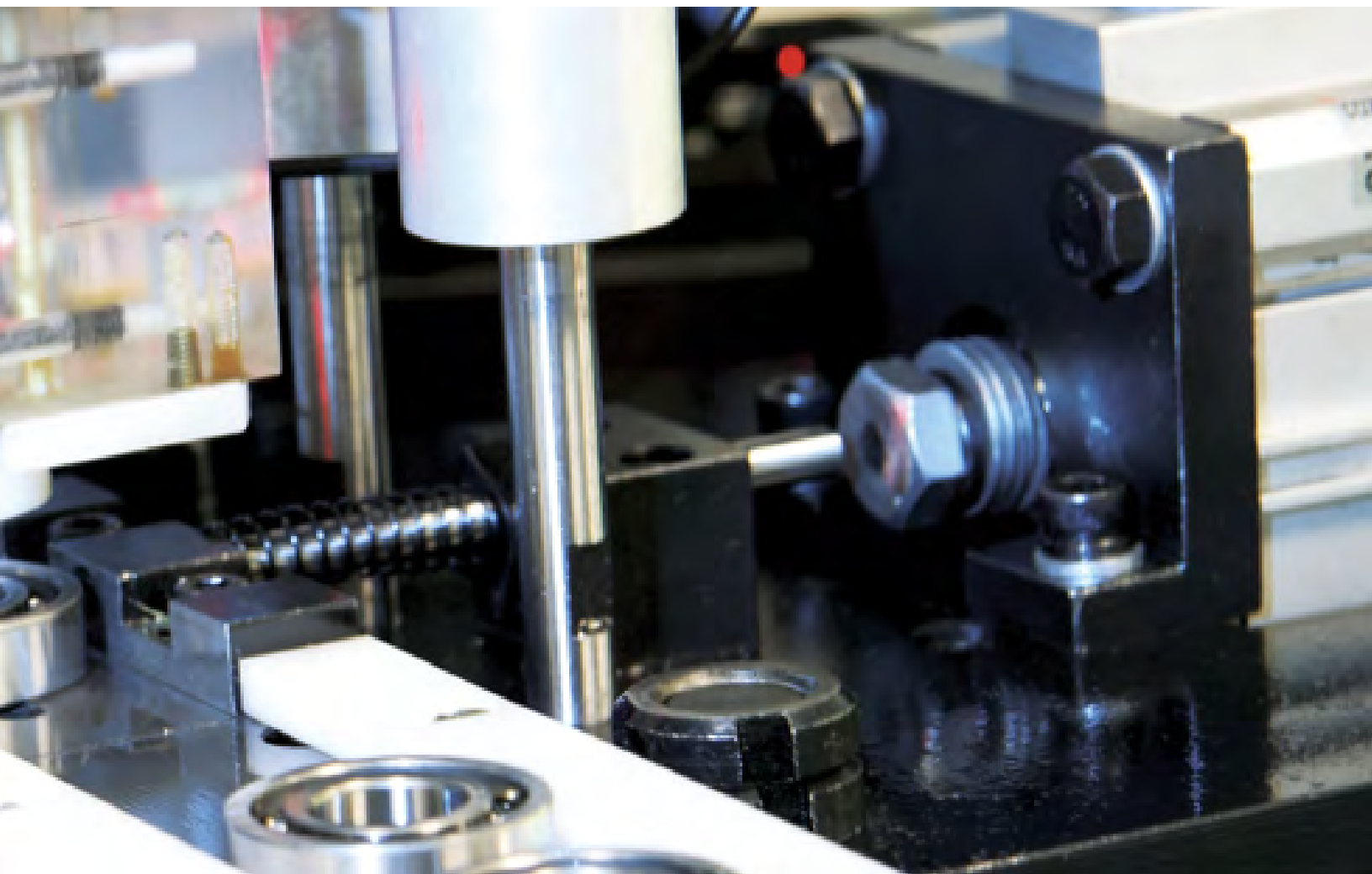


FACTORY CAPABILITIES & SERVICES

- Automatic Production & Assembly Lines
- Over 500 different sizes
- High quality control & assurance standards
- Produce 50 million units annually
- ISO9002 & TS16949 Certified
- Cleaning & Filtration System Compliant with ISO-14000 Standards
- Produce Z3/V3 Noise and Vibration Levels
- Material Procurement
- Bearing Application Engineering
- Engineering, Consulting & Design
- Factory Warehouse Programs
- Custom Packaging/Private Label
- Special Product Markings
- Global Sourcing Capabilities

MAIN PRODUCTS

- Deep Groove Ball Bearings
- Double Row Ball Bearings
- Stainless Steel Deep Groove Ball Bearings
- Cylindrical Roller Bearings
- Tapered Roller Bearings
- Spherical Bearings
- Angular Contact Bearings
- Pillow Block Units & Inserts
- Flange Block Units & Inserts
- Take Up Units & Inserts
- Pressed Steel Units & Inserts
- Stainless Steel Mounted Units & Inserts
- Thermoplastic Mounted Units w/Stainless Steel Inserts



AXPB RBTECH

Bearings for Extreme Industrial Applications

AXPB RBtech provides dependable bearing solutions for extreme industrial applications from Steel Mills to Construction Machinery. Faster lead times, an expanding product line and a fast growing arsenal of state-of-the-art manufacturing facilities have positioned AXPB RBtech as a performance alternative to top tier bearing manufacturers. This line of high precision engineered bearings, uses ultra-modern technology and manufacturing equipment to produce the highest quality bearings. AXPB RBtech manufactures all of our bearings in conformity with the related international standards. All of our manufacturing facilities are ISO 9001 and ISO 14001 certified and are audited and approved by several key clients and independent bearing test centers.

AXPB RBtech Advantage

- High axial load carrying capacity due to optimized rib contact
- Higher level of energy efficiency due to reduced frictional torque
- Suitable for extremely high loading conditions & very high speeds
- Lower maintenance & operating costs
- Reduced tolerances levels of ABEC 5 and above
- Ultraclean, wear resistant, low oxygen content bearing steel
- Faster delivery times
- "Zero Defect" quality standards



FACTORY CAPABILITIES & SERVICES

- Premium raw materials
- Top-tier components
- State-of-the-art manufacturing facility
- Advanced manufacturing, testing and production equipment
- Hard turning processes
- Superior superfinishing
- Premium packaging
- Complete traceability
- Custom bearing development
- Worldwide sales & engineering teams
- International R & D team

MAIN PRODUCTS

- Spherical Roller Bearings
- Cylindrical Roller Bearings
- Angular Contact Ball Bearings
- High Precision Spindle Bearings
- 4-point Angular Contact Ball Bearings
- Tapered Roller Bearings
- Sheave Bearings
- Vibratory Screen Bearings
- Gear/Bearing Units
- Full Complement Bearings



ARMOR BEARING SERIES

Bearing Technology & Protection



Bearing failure accounts for a large majority of industrial mechanical failures. RBI offers all of our bearing products with our Armor Bearing Technology to reduce bearing friction and substantially increase bearing life - which means less downtime and reduced repair costs. We offer Armor Nano Technology, Armor Long Lasting Lubrication Technology & Armor Coated Protection. Armor Technologies do not alter the dimensional tolerances of the bearings. Armor Bearing's Technology & Protection benefit applications experiencing high heat temperatures, harsh contamination and clean environments sensitive to corrosion and chemical wash downs.

- Mining Equipment
- Steel Production
- Oil & Gas
- Pulp & Paper
- Food Processing Equipment
- Beverage & Chemical Bottling Equipment



ARMOR BEARING TECHNOLOGY & PROTECTION BENEFITS

Armor Nano Technology

- Reduces metal to metal friction by 99% when both pieces of the metal are treated
- Fuses calcium molecules into the molecular fabric of the metal
- When subjected to heat and pressure the nanoparticles elongate to form a protective shield
- Scientific validation by nationally recognized laboratories

Armor Long Lasting Lubrication

- Polymer or Graphite Solid lubricant
- Provides constant and consistent lubrication
- Helps block debris and reduce foreign contamination
- Does not drip out of the bearing and contaminate the environment

Armor Coated Protection

- Preventing contamination ingress & corrosion
- Shields the bearing against harsh environments
- Constant release of built-in inhibiting oils coats all surfaces allows shaft to rotate
- Increasing bearing lifetime by up to 500%



PRECISION MACHINED PARTS & INVESTMENT CASTINGS

As a value added service, RBI also manufactures investment castings and precision machined parts with the capabilities to provide all manufactured components into a completed assembly. This allows RBI to offer our customers a comprehensive set of value-added services.

RBI's precision machined parts factory specializes in the design, development, and production of precision machined parts that are used in applications that demand high quality, precision components. We produce parts for light and heavy automotive vehicles, medical equipment, food processing equipment, marine equipment, pumps and compressors, and many other general industrial equipment applications. We pride ourselves in being a true full service precision machined parts manufacturer - having the machining capacity to support high volume production, we also offer quick-to-market short run production and various contract machining services.

Our investment casting facility specializes in the production of customized stainless steel, aluminum, and carbon steel castings using the lost-wax investment casting method.



FACTORY CAPABILITIES & SERVICES

- Product Design and Development
- Sample Pre-Launch Program
- Material Analysis
- Metal Tube Cutting and End Forming
- Precision Machining
- Assembly Services
- Private Labeling
- Customized warehousing
- Produce Raw Castings
- High Precision Machining
- 4-Slide Metal Stamping
- Sample Analysis & Material Inspection

MAIN PRODUCTS

- Adapters
- Spindles
- Fan hubs
- Fittings and Connectors
- Knurled and threaded inserts
- Pneumatic and hydraulic fittings
- Pneumatic pressure relief valves
- Threaded caps
- Stainless Steel Casting
- Aluminum Casting
- Carbon Steel Casting
- Brass Casting
- Bronze Casting
- Alloy Casting
- Rapid Prototype Casting



PRODUCT QUALITY

At RBI, we have developed a proprietary product quality management system that provides for continuous improvement, emphasizing defect prevention and the reduction of variation and waste from our processes and throughout the supply chain. In addition to achieving ISO9001:2000 and TS16949 certification, our factories operate under the 5S methodology popularized by quality conscious Japanese manufacturers. RBI utilizes the APQP (Advanced Product Quality Planning) system, which is a structured method of establishing and defining the steps necessary to ensure that product satisfies the customer's requirements.

RBI's team of engineers will work with your engineering team to help select the right products for your specific application. We provide complete engineering services and technical support – from bearing application assessment to custom product development and review. Our engineers design bearings and components to help our customers achieve their technical and commercial requirements. We draw upon our extensive application experience to provide our customers with the appropriate solutions to meet their application requirements.



ENGINEERING CAPABILITIES & SERVICES

- Application Engineering
- Failure Analysis
- Custom Design Engineering
- Bearing Analysis, Load and Life Calculations
- Advanced Design and Testing Methods
- Corrective Action Assessment
- Tool & Gauge Calibration System
- Grease, Oil, Seal Material Analysis
- High/Low Temperature Testing
- CAD Software
- On-Site Assistance
- Metallurgical Analysis
- Noise and Vibration Analysis
- Quality and Inspection Verification



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