One Goal. One Team. One Company.
R.B. International Group

The R.B. International Group (RBI) is comprised of proven companies focused on providing quality products, innovation, application assessment and solutions to the global market. Over the years RBI has built a reputation as an industry leader in moving information and products between our operations in North America and China.

With advanced commercial and technical teams, including bilingual engineering personnel in both countries, we are able to facilitate the most technically demanding projects and ultimately deliver product that exceeds our customer’s expectations. RBI can provide you with all types of Bearings, Precision Machine Parts, Castings and Complete Assemblies and ship them to any part of the world.

Corporate Culture

At the core of RBI’s culture is a set of values that define who we are, what we stand for and how we do things. We nicknamed these values TR3C which stands for Trust, Respect, Communication, Customer Commitment and Continuing Education. These 5 values are the foundation of RBI and define how we strive to act every day. To reinforce our culture we’ve committed to operating our company by a certain set of principals.

- Employer/Employee Commitment
- Continuing Education & Skill Development
- Customer Focus
- Effective Leadership/Management
History

Headquartered in Chicago, IL., USA, RBI was founded in 1990 as a Trading Company primarily focused on importing Chinese ball bearings into the North American market. As the years went by RBI established RBI Bearing USA, RBI Bearing Canada, Wuxi R.B. Precision Bearing Co., Ltd., Wuxi R.B. Precision Machinery Co., Ltd., Wuxi Aforst (AFC) Precision Manufacturing Co., Ltd., Wuxi R.B. International Trading Co., Inc. and AXPB/RB tech. All of these companies joined forces making RBI a powerful source for all of your bearing and power transmission requirements.

In addition to operating wholly-owned manufacturing facilities throughout China, we also operate our own Trading Company, Sales and Distribution Centers, and Technical Centers in both China and North America. RBI is dedicated to providing our customers with world-class service, quality bearings, precision machined parts, premium castings, and more, at affordable prices to meet the growing demands of our customers worldwide.
RBI Bearing North America

RBI Bearing North America is headquartered in a new, modern facility located 30 minutes outside of Chicago. Our location serves as the main source for all of our stateside engineering, sales, marketing, warehousing and product distribution. We maintain a substantial inventory level in our Chicago warehouse to accommodate our OEM partners with agreed upon drop dates and our distributor partners who submit PO’s daily.

Chicago
- Sales
- Distribution Center
- Engineering
- Marketing

Los Angeles
- Sales
- Distribution Center

Toronto
- Sales
- Distribution Center
- Engineering
- Marketing

RBI Product and Services

RBI can produce any type of casting, precision machined part and bearing in a variety of materials. Below is an example of some of the parts we’ve produced.

Investment Castings
- Stainless Steel Casting
- Aluminum Casting
- Carbon Steel Casting
- Brass Casting
- Bronze Casting
- Alloy Casting
- Rapid Prototype Casting

Precision Machined Parts
- Adapters
- Brass bushings
- Connectors
- Fan hubs
- Fittings and Connectors
- Knurled and threaded inserts
- Metal inserts
- Pneumatic and hydraulic fittings
- Pneumatic pressure relief valves
- Pressure tap fittings
- Temperature sensor housings
- Threaded caps

Bearings
- Deep Groove Ball Bearings
- Double Row Ball Bearings
- Stainless Steel Deep Groove Ball Bearings
- Mounted Inserts & Units
- Stainless Steel Mounted Units & Inserts
- Thermoplastic w/Stainless Steel Bearing Units
- Angular Contact Bearings
- Spherical Bearings
- Tapered Roller Bearings
- Cylindrical Roller Bearings
- Needle Roller Bearings

Partnering with our Customers

RBI embraces our role with our customers as a “True Partnership” where open communication and honesty are an integral part of building a strong and long lasting relationship.

Capabilities and Services
- Centrally Located Warehousing
- Custom Stocking Programs
- Bar Coding
- Custom Packaging/Private Label
- Special Product Markings
- Bearing Application Assessment
- Provide Visits to RBI Facilities for Tours and Audits
- Global Sourcing Capabilities
- Consignment Program
- Low Minimum Order Quantities for Special Products
- Engineering & Technical Support
- Experienced Sales Staff
- Excellent Service
- Reliability/Customer Satisfaction
- Competitive Pricing
- Competitive Payment Terms
Wuxi R.B. Precision Bearing Co., Ltd.

Our Ball Bearing Manufacturing Facility utilizes modern manufacturing technology to produce the highest quality bearings. We specialize in deep groove ball bearings, double row self-aligning ball bearings, and thin cross section 6800 & 6900 series ball bearings. We also have the ability to do smaller production runs of special ball bearings to satisfy unique customer demand. Our factory has the production capacity to produce 50 million units annually on a single work shift, and with the flexibility to add shifts as necessary, we have the ability to more than double our daily output.

With our broad bearing line, we serve a wide range of industries, including electric motor, power tools, automotive, gearing, household appliance, pumps, and generators, among others. Along with a full range of bearings, we also offer finished and semi-finished inner & outer rings.

Quality first is the foundation of our company and we are dedicated to providing our customers with the best quality at the most affordable prices.

Capabilities

- Automatic Production Lines
- Automatic Assembly Lines
- Over 500 different sizes
- Quality Inspection and Verification
- ISO9002 Certified
- TS16949 Certified
- Cleaning and 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

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

800-708-2128  I www.rbibearing.com
Wuxi R.B. Precision Machinery Co., Ltd.

Our Precision Machinery Parts Facility 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.

At RBI, we have developed a 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 facilities operate under the 5S methodology popularized by quality conscious Japanese manufacturers.

We pride ourselves in being a true full service precision machined parts manufacturer. Besides having the machining capacity to support high volume production, we also offer quick-to-market short run production and various contract machining services.

Wuxi R.B. Precision Machinery Co., Ltd has Solutions for your Manufacturing Needs.

Product Quality

Wuxi R.B. Precision Machinery 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. Effective product quality planning is another example of our company’s total commitment to meeting, or exceeding, our customer’s expectations.

Capabilities

• Product Design and Development
• Sample Pre-Launch Program
• Material Analysis
• Metal Tube Cutting and End Forming
• Precision Machining
• Assembly Services
• Private Labeling
• Customized warehousing

Production Machines and Inspection Equipment

• CNC Lathes
• CNC Vertical Milling
• Vertical Drill Presses
• Turning and Milling Composite Machine
• Coordinate Measuring Machine (CMM)
• Contour Measuring Equipment
• Talyrond – Roundness
• Tallysurf – Surface finish
Wuxi AFC Precision Manufacturing Co. Ltd.

Wuxi AFC Precision Manufacturing Co. Ltd. specializes in the production of customized stainless steel, aluminum, and carbon steel castings using the lost-wax investment casting method.

The process begins by producing the master die part mold. Then, utilizing our Taiwan-made fully automatic machinery, the mold is filled with the imported medium temperature wax to create a stable, high quality, wax part pattern. For higher volume production, these wax part patterns are built into wax “trees”, which allow several parts to be molded simultaneously. Next the trees are coated with Australian Zircon sand and Zircon powder to create a high quality sand mold that ensures premium surface finishes. After several iterations of sand coating, the mold is oven cured and the wax melts away. Finally, the production mold is ready to be filled with the molten metal.

At RBI, we have developed a 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 facilities operate under the 5S methodology popularized by quality conscious Japanese manufacturers.

Capabilities
- Produce Raw Castings (Green Parts)
- High Precision Machining
- Metal Tube Cutting and End Forming
- Assembly Services
- 4-Slide Metal Stamping
- On-The-Spot Sample Analysis and Material Inspection Prior to Melting
- Private Label Ability

Materials Used
- Stainless Steel
- Aluminum
- Copper
- Alloy Steel
- Carbon Steel

Plating Processes
- Black Oxide
- Zinc Electroplating
- Nickel Electroplating
- Polishing
- Oxidation

Production Machines and Inspection Equipment
- Taiwan-Made Fully Automatic Wax Injection Machine
- Sand Spray Machinery
- Moistening Slurry Barrel
- Sand Floating Machine
- Shot Blasting Machine
- Medium-Frequency Electric Furnace
- Salt Spray Test Chamber
- Spectrometer
AXPB RBtech

The AXPB RBtech brand was recently developed through a joint venture/partnership between AXPB Suzhou and R.B. International Group. Our new line of high precision engineered bearings uses ultra-modern technology and manufacturing equipment to produce the highest quality bearings designed for heavy duty industrial applications.

The AXPB RBtech premium features include: premium raw materials, top-tier components, advanced quality management system, state-of-the-art manufacturing facility, German engineered production equipment, hard turning processes, superior superfinishing, premium packaging, complete traceability, and an overall strict attention to detail.

**AXPB RBtech Product Range**

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

**Examples of Industries and Applications Served**

- Compressors
- Pumps
- Gearboxes
- Construction Machinery
- Planetary Drives
- Crane Sheaves
- Port Equipment
- Mining Equipment
- Steel Mill Industry
- Oil and Gas
- Machine Tool
- Wind Turbines
- Vibratory Screens
- Pulp and Paper

**Advanced Technology Design Focus**

**Hard Turning**

- High Axial Load Carrying Capacity Due to Optimized Rib Contact
- A Higher Level of Energy Efficiency Due to Reduced Frictional Torque
- Lower Maintenance Costs
- Lower Operating Costs Due to Reduced Energy Consumption
- Increased Performance
- Suitable for Extremely High Loading Conditions
- Suitable for Very High Speeds

**Control**

- Modern Metrology and a Climate Controlled Manufacturing Environment Consistently Provides Precise Measurements
- Reduced Tolerances Levels of ABEC 5 and Above
- Advanced Control Over Material and Processes

**Material, Forging and Heat Treatment**

- Ultraclean, Extremely Wear Resistant, Low Oxygen Content Bearing Steel
- Forging and Ring Rolling in State-of-the-Art Facilities
- Salt bath through hardening with less than 2% retained austenite. Case hardening and bainitic through hardening are also available.
Turnkey Solutions

At RBI we have positioned ourselves to offer our customers as many products, services and solutions as possible. In short, our ultimate goal is creating value and being a full service solutions provider.

Benefits

• One company to oversee product production and assembly
• Reduced overhead cost
• All parts assembled in-house
• More accurate tolerances and variances by eliminating 3rd party manufacturers
• Advanced quality control
• Time and Duty cost saving

The result is a fully assembled part ready to ship

All manufactured in one facility
Custom Packaging

At RBI we believe the shipping of your part is just as important as the manufacturing of it. Because no one assembly or parts project is the same, RBI custom builds crates on demand for your specific need. Wooden crates with reinforced metal edges reduce the defect level. Plus, we protect your assemblies or parts with first-class shipping materials.

Wuxi R.B. International Trading Co., Inc.

Wuxi R.B. International Trading Co., Inc. is located in Wuxi China and is the engine that drives all of the R.B. International Group Companies. From commercial and technical product support and logistics management, to factory visits and audits, Wuxi R.B. International Trading Co., Inc. plays an integral role in helping RBI deliver solutions that keep the world in motion.

Services

• Air and Sea Freight Forwarding
• Port Clearance and Local Transportation
• Door to Door Service
• Financial Assistance
• Provides Logistics Solutions
• Product Sourcing
• Factory Audits
• Implementation of Quality Systems at Source Factories
• Fluent Cross-Culture Communication
• Engineering and Technical Support
• Special Packaging Requirements
• Established Cross Culture Integrated Management System
Engineering & Quality Control
RBI’s team of engineers will work with your technical 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 can 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 within their budgetary constraints.

Capabilities and 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

Industries & Applications
RBI has a diverse range of products and capabilities that allow us to offer cost effective solutions for a large variety of industries and applications. Through our global industry experience we have gained invaluable knowledge that we leverage across all platforms to develop optimum solutions for our customer applications.

- Automotive
- Agricultural
- Food & Beverage Processing Equipment
- Screw Compressors
- Steel Production
- Wind Energy
- Mining and Construction
- Outdoor Power Equipment
- HVAC
- Motorcycles / ATV’s
- Printing Rollers
- Material Handling
- Conveyors
- Motors
- Gear Boxes
- Pumps
- Generators
- Heat Exchangers
- General Industrial Equipment
- Medical Equipment
- Elevator/Escalators
- Outdoor Recreation
- Fitness Equipment
- Castor Wheel
- Hub and Axle
- Fans
- Crane Sheaves
We know China

• Duty free zones
• Material interchanges
• Duty drawback programs
• Economic development zones
• VAT Tax
• China business culture
• Holiday schedules

The RBI Difference

• Our Customers Trusted Partner for over 25 years
• Established Quality Brand
• Wholly Owned Bearing Manufacturer
• Wholly Owned Precision Machine Parts Manufacturer
• Wholly Owned Casting Manufacturer
• North American Sales, Service and Warehousing
• Bilingual North American Sales and Engineering
• Bilingual Asian Sales and Engineering

• Licensed International Trading Company
• Manufacturing Facilities are ISO9001 and TS16949 Certified
• Cross Culture Integrated Working System
• Engineering and Technical Support
• Custom Product Development
• Logistics Experts
• Sourcing Specialists
• Customized Stocking/Consignment Programs
Locations

RBI BEARING U.S.
CHICAGO - Headquarters
101 S. Gary Ave, Ste. B
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800-708-2128

LOS ANGELES
Baldwin Park, CA 91706
800-358-7652

RBI BEARING CANADA
TORONTO
1790 Bonhill Road
Mississauga, ON L5T 1 C8
800-724-2426

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Wuxi, Jiangsu, China
86-510-8521-3931

WUXI R.B. PRECISION MACHINERY CO. LTD.
No.38 Zhanggong Road,
Meicun Industrial Park
Wuxi, Jiangsu, China
86-510-8521-3931

WUXI AFORST PRECISION MACHINERY MANUFACTURE CO., LTD.
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