Castings, Precision Machined Parts and Assembly Solutions.
Wuxi Precision Machinery Co., Ltd. and Wuxi AFC Precision Manufacturing Co., Ltd. are part of the group of companies that comprise the R.B. International Group. Our two factories share the same plant with the same engineering and management team, and both are ISO/TS16949:2009 certificated.

Three production segments:
• Investment casting
• Precision machining parts
• Assemblies

We offer a wide range of products including hydraulic components, rotary motion products, fasteners and customized connecting pieces, that are applied in various industries like Automotive, Food & Beverage Processing Equipment, Medical Equipment, Marine parts, etc.

We pride ourselves in our ability to provide turnkey solutions to the industrial market.

investment castings.
Wuxi AFC Precision Manufacturing specializes in the production of investment castings. The process of investment casting involves making the fusible wax patterns and coating them with refractory slurry. The coated shell will become a molded housing after hardening and de-waxing. By filling the shell with molten metal and removing the shell, the new metal part can be made.

We use Taiwan-made fully automatic machines with imported medium temperature wax to produce the wax mold and ensure stability and size consistency. Our shell is made of several layers of zircon sand & zircon powder, a special fire-resistant material from Australia, that ensures good surface quality. We also provide value-added surface treatment to castings, such as mirror polishing. Our annual production capability is approximately 600 tons.

Our key investment casting products include valves and auto-fittings, connecting and fasten pieces, bearing housings and spindle housings.

castings, precision machined parts and assemblies.
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Three production segments: Other customized services:
• Investment casting • Laser Labeling
• Precision machining parts • Heat treatment
• Assemblies • Surface treatment
• Global warehousing • Value-added surface treatment

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production capabilities
Material processed: Stainless steels Carbon steels Alloy steels Copper alloys Aluminum alloys High temperature alloy Cast Iron
Size: $10mm \times 10mm \times 10mm$
$1000mm \times 1000mm \times 800mm$
Weight: 0.01kg-200kg
Tolerances: CT6
Surface roughness: $R_a: 3.2-6.4$
Precision Machined Parts.

Wuxi Precision Machinery specializes in the design, development, and production of precision machined parts that are used in applications that demand high quality and precision components.

Our machining facility utilizes advanced devices, including CNC Lathes, CNC Machining Center, Multitask Turning Center and different types of grinding machines. Besides these key machining methods, our strong outsourcing power for linear cutting, stamping as well as heat treatment and different types of surface treatment, enables us to provide our customer with integrated precision machined part solutions.

RBI offers customized machined components to many industries, such as the automotive, electrical, medical, hydraulic equipment and food processing industries. Our main products include pump outer shells, valves, shafts, hardware, bearing accessories, and fasten & connecting pieces.

Production Capabilities

**Materials processed:**
- Stainless steels
- Carbon steels
- Alloy steels
- Copper alloys
- Aluminum alloys
- Titanium alloys
- Zinc alloys
- Plastics

**Sizes:**
- Diameter: 19.7 – 23.62” (5 - 600mm)
- Length: .39” – 39.37” (10 -1000mm)
- Tolerance: M-2768 +/- .000039” (0.001mm) - Micro level

**Surface treatment:**
- Ra: 0.2

**Machining methods:**
- CNC Milling
- CNC Lathe turning
- Grinding
- Laser lettering
- Linear cutting
- Stamping

Full Assemblies.

As a value added Service the R.B. International Group offers full assembly operations integrated with our manufacturing capabilities within a temperature controlled setting. Our main assembly products include mounted units, assembled pumps, assembled valves, and assembled pressure transmitters – to name a few.

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

### Machines

<table>
<thead>
<tr>
<th>Machines</th>
<th>Size Limit</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turning CNC machines</td>
<td>φ600mm X 1000mm</td>
<td>3μm</td>
</tr>
<tr>
<td>Milling CNC machines</td>
<td>1000mmX600mmX550mm</td>
<td>2μm</td>
</tr>
<tr>
<td>Grinding machines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cylindrical</td>
<td>φ200mm X 700mm</td>
<td></td>
</tr>
<tr>
<td>Internal</td>
<td>φ100mm X 100mm</td>
<td></td>
</tr>
<tr>
<td>Centerless</td>
<td>φ40mm X 200mm</td>
<td></td>
</tr>
<tr>
<td>Double end surface</td>
<td>φ50mm X 150mm</td>
<td></td>
</tr>
<tr>
<td>Drilling machines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sawing machines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ultrasonic cleaners</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laser lettering machines</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Laser Engraving

- Packaging Workshop
- Packaging Workshop
- Roller Carriers
- Assembly Workshop
- Bearing Shaft Housing Assembly
- Plastic Bearing Assembly
- Cast Housing Assembly
Wuxi Precision Machinery Co. and Wuxi AFC Precision Manufacturing Co. are ISO/TS16949: 2009 certified. Both factories utilize the APQP (Advanced Product Quality Planning) system to develop products that exceed the demands of our customers. We also manage our production and logistics process with our ERP system (Enterprise Resource Planning) and the Japanese 5S methodology. With these proven quality control methods and our proprietary self implemented quality control system and proficient testing and inspection equipment, we can ensure efficiency of our processes and the quality of our products.

We have established and implemented high quality control and assurance standards. We have well-structured inspection procedures in place for all critical stages of our production processes to identify and prevent potential defects in the products.

Our Quality Control Procedure consists of the following:

**Raw Material Inspection:**
Our Quality Control Department examines all of our raw materials upon delivery to ensure that they meet our requirements before they are used for production of parts.

**Process Control:**
We have implemented various quality control measures at each of the key stages of our production process. We typically will conduct first piece inspection, in process inspection, and final inspection to ensure the quality of the products before they are delivered to our customers.

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**Engineering & Quality Control**

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**Certificate of Registration**

**Wuxi RBB Precision Machinery Co., Ltd.**

ISO/TS16949:2000 Certified

**Certificate of Registration**

**Wuxi AFC Casting Co., Ltd.**

ISO/TS16949:2000 Certified

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**Quality Control Equipment**

<table>
<thead>
<tr>
<th>Measuring Tools</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM</td>
<td>0.001mm</td>
</tr>
<tr>
<td>Contour</td>
<td>0.001mm</td>
</tr>
<tr>
<td>Roughness tester</td>
<td>0.001mm</td>
</tr>
<tr>
<td>Micrometer</td>
<td>0.001mm</td>
</tr>
<tr>
<td>Projector</td>
<td>0.01mm</td>
</tr>
<tr>
<td>Digital Caliper</td>
<td>0.02mm</td>
</tr>
<tr>
<td>Height gage</td>
<td>0.02mm</td>
</tr>
<tr>
<td>Spectrometer</td>
<td></td>
</tr>
</tbody>
</table>

- Shortened Production Lead Times
- Meet Demanding Tolerances
- Increase Productivity by Producing Multiple Precision Machined Parts Simultaneously
- Eliminate Extra Operation Costs
- Delivering Quality Consistent Precision Machined Parts
- Advanced Design and Testing Methods
- Metallurgical Analysis
- Quality and Inspection Verification
- Failure Analysis
- Corrective Action Assessment
- ISO9001:2000 Certified
- TS16949 Certified
- Value Engineering
- Advanced Quality Planning System (APQP)
- Enterprise Resource Planning System (ERP)
- 5S Methodology Process
- In Process Quality Control System
- Source Management
- Performance Data
- Lot Number Traceability System
Managing Information and Product Movement

We have mastered the art of information flow between our operations in China and North America. The information flow involves transmitting our customer requirements, drawings, orders and delivery status. Product movement involves the packaging, shipment and tracking of containers coming overseas to North America. Once the containers have reached North America they travel by rail, air, or truck to the final destination – one of our 3 centrally located warehouses, Chicago, Los Angeles and Toronto.

North American Sales, Warehouse & Distribution

RBI Bearing owns three warehouse and distribution centers in North America and our main warehouse is located in Chicago Illinois. Once shipments reach our warehouses, the skids are checked in and assigned storage space in our warehouse through a bar coding system. The bar codes assigned to the product and warehouse location are linked together and uploaded to our WMS (Warehouse Management System). When shipments are scheduled for your products we know exactly how much stock is left and where the your product is stored in our warehouse. We can efficiently pull and package your order for shipping.

- FIFO (1st in 1st out) Inventory Program
- Lot Number Tracking System
- Package / Skid Quantity Programs
- Air and Sea Freight Forwarding
- Centrally Located Warehousing
- Special Packaging Requirements
- Custom Packaging / Private Label
- Custom Stocking Programs
- Consignment Programs
- Bar Coding
- Provide Visits to RBI Facilities for Tours and Audits
- Global Sourcing Capabilities
- Low Minimum Order Quantities for Special Products
- Engineering & Technical Support
- Experienced Sales Staff
- Reliability/Customer Satisfaction
- Competitive Pricing
- Competitive Payment Terms

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The RBI Difference

- Our Customer’s Trusted Partner for over 25 years
- Established Quality Brand
- Wholly Owned Bearing Manufacturer
- Wholly Owned Precision Machined 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

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LOS ANGELES
800-358-7652

RBI BEARING CANADA
TORONTO
800-724-2426

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WUXI R.B. PRECISION MACHINERY CO. LTD.
Wuxi, Jiangsu, China
86-510-8521-3931

WUXI AFORST PRECISION MACHINERY MANUFACTURE CO., LTD.
Wuxi, Jiangsu, China
86-510-8521-3931

AXPB RBtech
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