



Solutions for the Semiconductor Equipment Industry

Increasingly, global manufacturers are turning to the precision engineering and innovative design of RBC products. Qualities that are critical today in meeting the strict requirements mandated by the semiconductor equipment industry. As a result, RBC products are ideal for wafer handling robotics, automation, CMP, inspection/metrology, and other process tools requiring motion control products.

In addition, RBC's worldwide customer support is unrivaled in the industry. Our specially trained staff gives you the answers you need when you need them.

Experience. Expert engineering. Product quality. Superior customer service. Just a few of the reasons why RBC solutions are ideal for the semiconductor industry. And here are more...

Custom-Engineered Solutions – RBC custom-engineered components are designed to meet the most demanding kinematic specifications, and provide an environmentally-protected solution to some of the most difficult problems found in robotics. Benefits:

- JIT modular assemblies
- Environmentally protected
- Low torque with high stiffness
- High position accuracy and repeatability
- Simplification of the development process
- Faster time to market

Thin Section Bearings and Ball Screws – Built to last under a variety of conditions, these bearings are an industry standard. Available off-the-shelf or in custom configurations, they feature precision processing alloys for high accuracy and smooth operation. Benefits:

- Vacuum degassed 17-4 stainless steel and other exotic alloy materials
- Hybrid bearings utilizing silicon nitride balls
- Integral flanges, shields, and gears
- Low particle generation
- Corrosion resistance
- Low friction/heat
- Low noise
- Volume manufacturing and JIT delivery programs

From prototype to production, RBC offers a variety of solutions for the semiconductor equipment industry. Contact us today to see how we can put our experience to work on your next project.

RBC Bearings
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