

Q&A

Why Responsive Service is Critical to Semiconductor Manufacturing

In the age of 5G, artificial intelligence and the “Internet of Everything,” the demand for semiconductors at the heart of our digital world is outpacing supply. Chip manufacturers need more efficient ways to get new production lines up and running, all while supporting the continuation of Moore’s Law with ever smaller, more powerful and more affordable microchips. They also need ways to maximize the quality, precision and repeatability of their manufacturing processes.

Bosch Rexroth has one of the broadest portfolios in the industry of complete automation solutions to meet the precise demands of semiconductor manufacturing. But the unmatched value we offer to chip producers goes beyond our proven, high-performance technologies and systems. We support semiconductor production every step of the way with deep application expertise and responsive service for full lifecycle support.

Given the importance of service for semiconductor equipment and chip manufacturers, we’ve put together answers to five of the most common questions about our complete service offering and how it benefits semiconductor production.

WHAT SERVICES DOES BOSCH REXROTH PROVIDE?

Tooling a production line and maintaining performance in semiconductor manufacturing is more costly and time-consuming than in almost any other industry. That’s why responsive service from beginning to end is an essential part of any Bosch Rexroth solution. Our motion control experts work engineer-to-engineer to evaluate production needs, identify ready-to-go tools and design custom solutions. Our engineers help prove out solutions through prototyping and testing on-site or at our own facilities. And our experienced service teams located in industry hubs across the globe can help with everything from implementation to full lifecycle support and beyond to ensure you’re always running at peak performance.



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WHAT DOES RESPONSIVE SERVICE MEAN TO BOSCH REXROTH?

When it comes to solving problems, our team is hands-on – drawing on decades of motion control expertise, extensive application experience in the semiconductor industry and a unique portfolio to improve the quality and repeatability of fabrication processes. Responsive service means a lot more than fixing problems when they occur. Our team of engineers and service professionals work in close collaboration with semiconductor customers to meet the needs of today and tomorrow. We take a proactive approach to evaluate new requirements, anticipate new demand and recommend integrated solutions to future-proof operations. Our highly responsive team can provide everything from specs and prototypes during design and build to on-site service once in production.



Bosch Rexroth offers one of the broadest portfolios of complete automation solutions and backs it with expert service to help semiconductor manufacturers meet the precise demands of chip fabrication.

WHY IS FULL LIFECYCLE SUPPORT IMPORTANT FOR SEMICONDUCTOR MANUFACTURING?

Semiconductor fabrication requires the utmost precision, reliability and quality in nearly every process. We leverage our proven ability to create custom subassemblies and provide the expertise customers need to maintain and maximize equipment performance. Having a full-service technology provider at your side will not only ensure longer lifecycles, it will also ensure that copy-exact requirements can be met over the long term. Building close working relationships is our formula for success. With open communication and a collaborative approach, we avoid unexpected challenges that disrupt production and keep ahead of changing industry needs.



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HOW DOES BOSCH REXROTH SUPPORT DESIGN ENGINEERS?

Design engineers have a lot on their plates, but they don't have to do it all on their own. Our motion control experts have completed countless custom engineering projects and can help fill critical knowledge gaps to ensure your systems are working harmoniously and meet your unique fabrication needs. Using a concurrent engineering approach, we work closely with your team to spec, design, test and deploy factory automation solutions faster to meet your timeline. We also provide more access to the technical information and design tools engineers need, with a suite of digital solutions that make it easy to configure, design, order and track requests.

HOW DOES THE BOSCH REXROTH PORTFOLIO AND RESPONSIVE SERVICE WORK TOGETHER?

Complete factory automation isn't just about the technology. Our comprehensive portfolio and robust service infrastructure are intrinsically tied together to provide greater value and quality to our customers. Working with a technology provider that has rich experience in semiconductor applications and an expansive technology offering means you'll receive a higher level of service from a team that knows how the whole system should work together.

With the industry's most complete factory automation solutions, Bosch Rexroth is the best partner to deliver the trusted technical performance your semiconductor manufacturing solutions require.

Let's automate.

Learn more: www.boschrexroth-us.com/semiconductor

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