

Innovation in Motion



Miba Bearing Group



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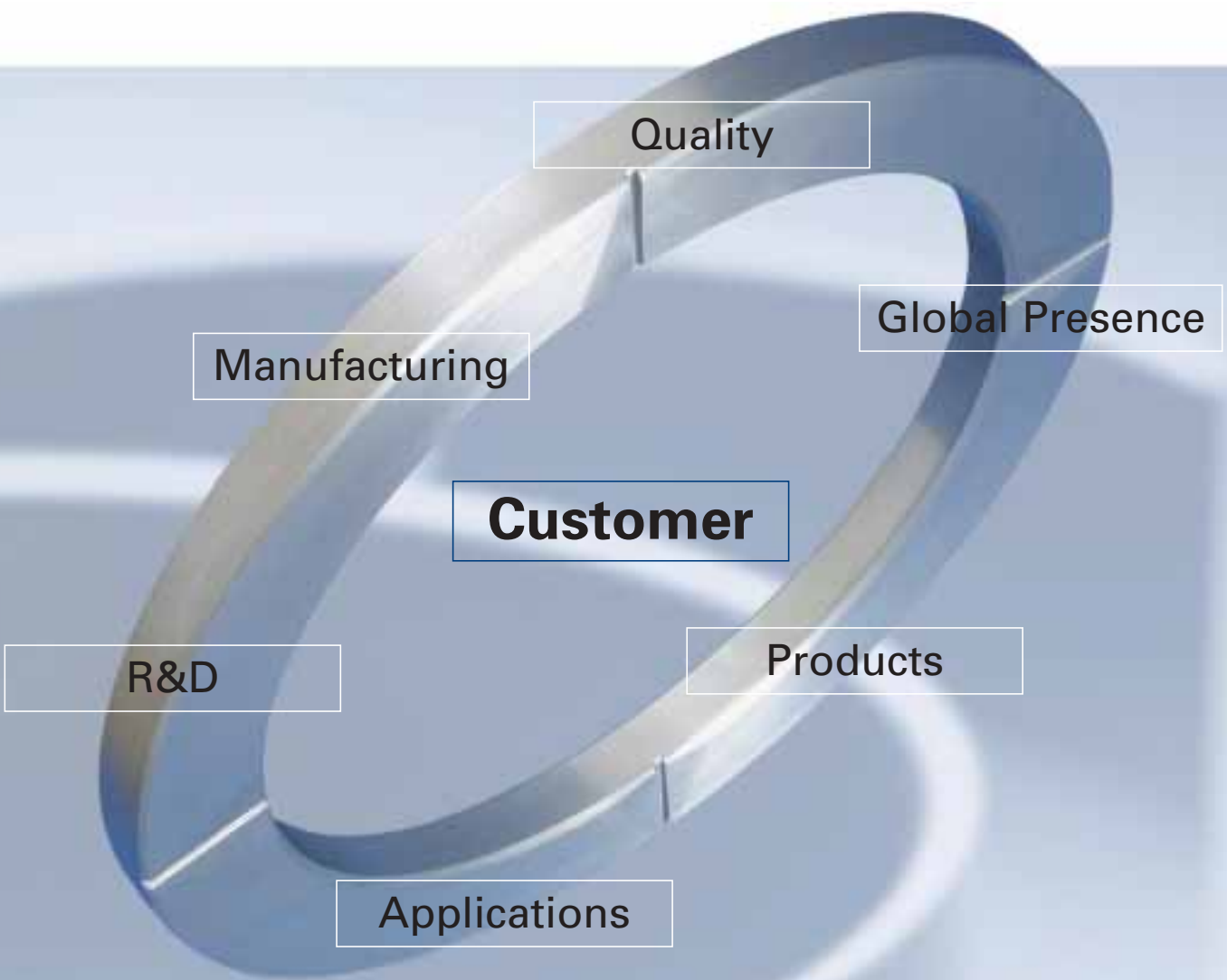
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Innovation in Motion





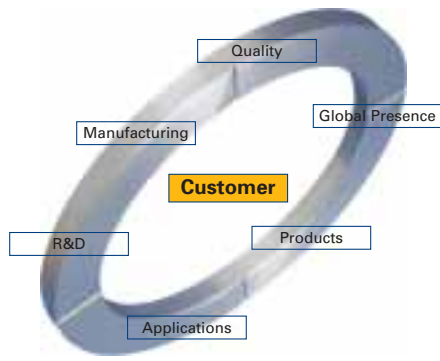
Competent Development Partner and Global Supplier

**To meet customers' needs,
the entire Miba team
is dedicated to providing
excellent service.**

Global manufacturers of heavy-duty diesel and gas engines face a variety of challenges, including an ever-changing business environment, ecological concerns, and constant pressure to improve performance.

Thanks to its global presence, the Miba Bearing Group – a technological leader in slide bearing applications and bearing manufacture – is well positioned to be able to cope with these changes. We offer innovative engineering, materials and logistics solutions, and all Miba products are cost-effective and closely oriented to customers' needs.

Miba's highly motivated and skilled workforce, and in-house-developed, cutting-edge systems, are the solid foundations on which our production processes are based. As a result, we can always supply exactly the right product for each specific application, backed by a promise of uncompromising quality and timely delivery.



Focus on our Customers



Although our products play a key role, our main focus is always on the customer. For Miba, working with a customer means approaching the customer's unique challenges in an integrated fashion and thus always delivering an appropriate solution that takes into account cost as well as best technology.

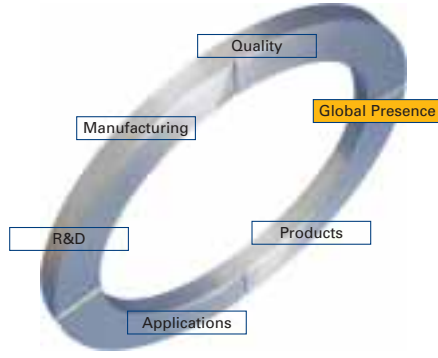
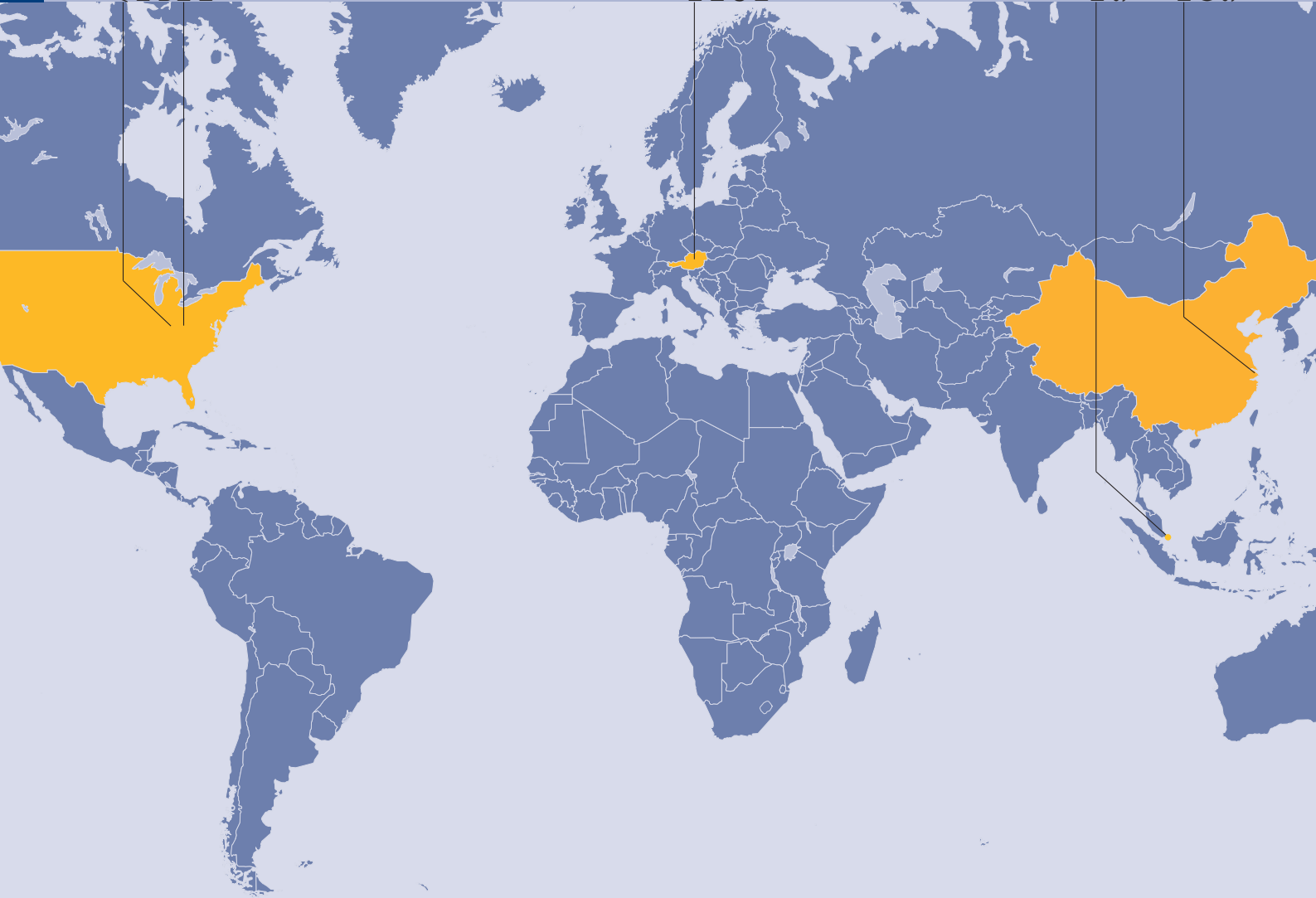
As a global manufacturer, we make it our business to earn our customers' trust, and we make it our goal to be the leading OEM supplier of slide bearings.

ABM Advanced Bearing
Materials LLC, Greensburg,
USA
Miba Bearings US LLC,
McConnellsville, USA

Miba Gleitlager GmbH
Miba Automation Systems
Ges.m.b.H.
Laakirchen, Austria

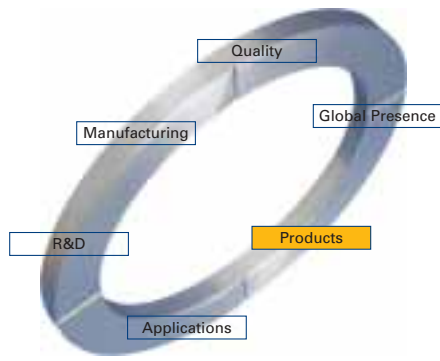
Miba Far East PTE Ltd.,
Singapore

Miba Precision Components
(China) Co. Ltd.
Suzhou, China



Network of Locations

Wherever our customers are, they can rely on Miba's performance. We provide service and supply products on a global basis, with production and sales locations on three continents, supported by a global logistics network. All Miba staff throughout the group share a common understanding of performance and quality, thus guaranteeing uniformly high quality standards at every location and production site.



Miba Products: Keeping the Engine Running!



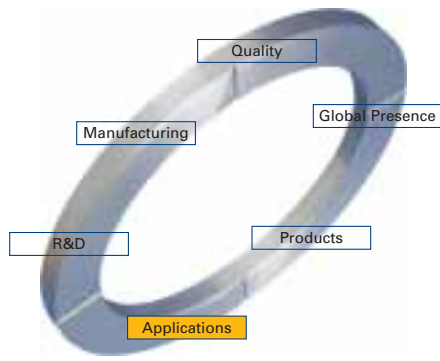
When it comes to performance and safety in combustion engines and compressors, bearings are vital components. Miba is a highly reliable partner, not only in simultaneous engineering but also in technological innovation.

Customers benefit from our broad range of competencies: Technological know-how, engineering services expertise, and serial production processes for bearing manufacturing.

As our product portfolio includes a wide variety of materials, we can help customers meet a broad range of performance, environmental, and business objectives.

Products:

- Half shells
- Flange bearings
- Thrust washers
- Bushings
- Tribological coatings



The Best Solution for Each Application



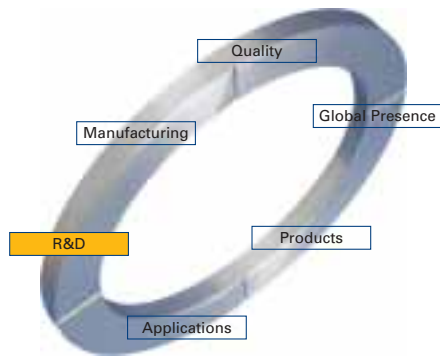
Over decades, Miba has developed a solid knowledge base regarding the tribology of slide bearings and their associated power train components.

We have extensive experience in a wide range of fields, and can always come up with an appropriate solution for any bearing application.

Our strengths include our self-sufficiency in raw materials; our leading-edge, dependable production processes; and our effective quality management. We are also adept at balancing functional requirements against costs.

Applications:

- Trucks, including off-road
- Marine
- Stationary diesel and gas engines
- Locomotives
- Earth-moving equipment
- Compressors



Technology and Innovation



Our goal is to ensure "Technological Leadership" and customer satisfaction via highly reliable products at competitive costs. Production process for materials and bearing production are state-of-the-art. Our in-house-developed production systems use advanced technologies, and include:

- Casting of aluminum and copper-based lining materials
- Roll bonding
- Forming and machining
- Electroplating
- Sputtering
- Synthetic coatings

Our expertise in concurrent engineering allows us to assist customers during the engine design phase, in areas such as bearing design, bearing simulation, and analysis of operating risk.

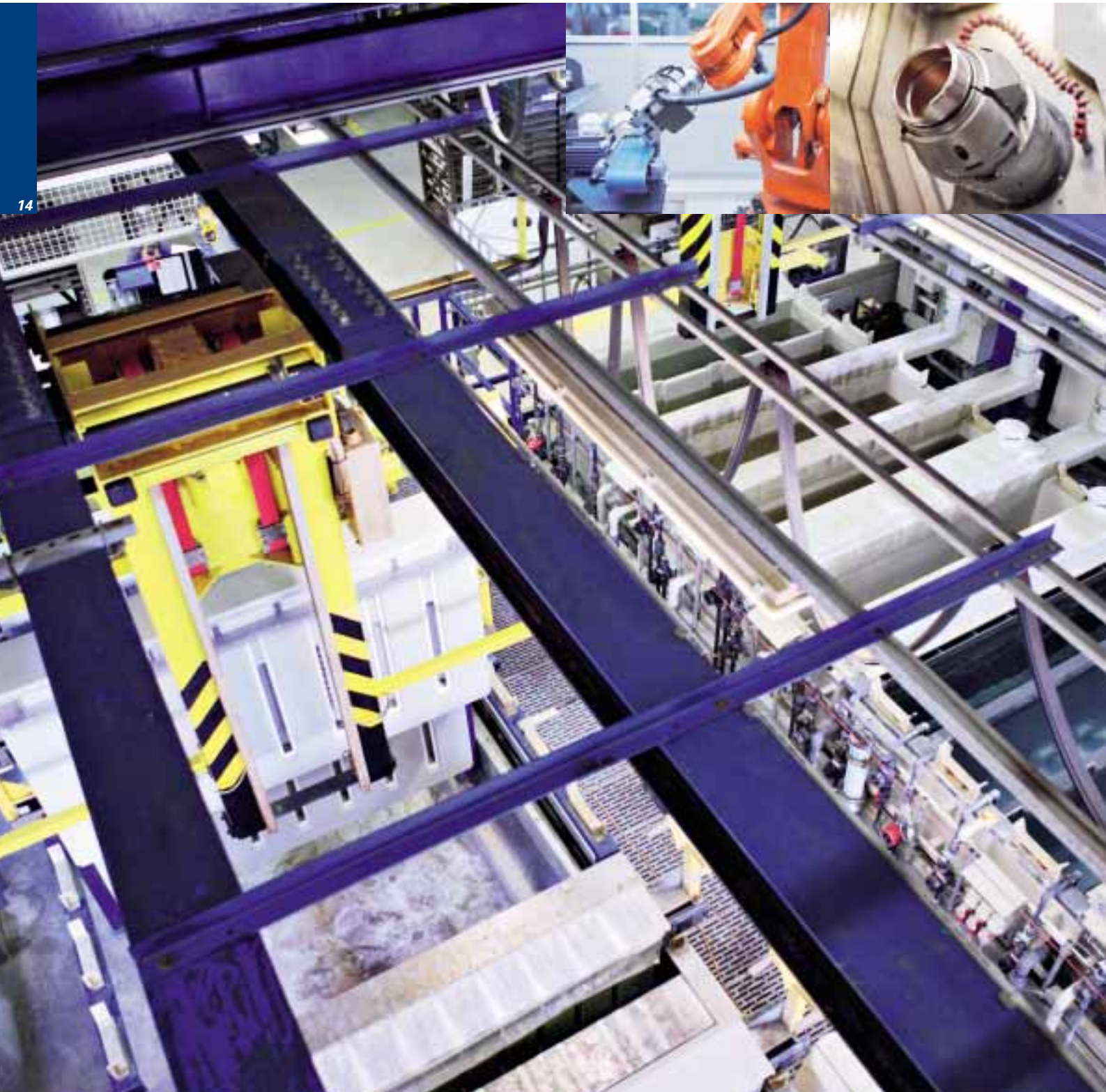
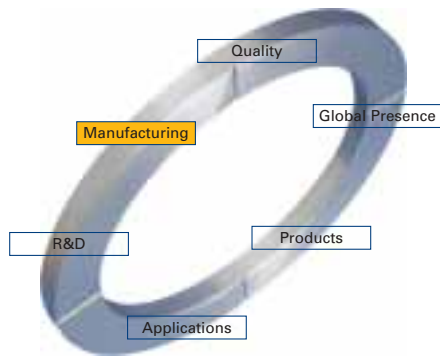
Our approach includes providing test bearings, evaluating bearing performance as part of engine testing in advanced labs, and comprehensive testing at test facilities. Thanks to our wealth of experience,

we can specify the expected life of any bearing application.

Evaluation and service is carried out by fully trained service staff at all group sites, on site at the customer's location, or at the engine itself. In the event of problems, we make every effort to restore full operational status within the shortest possible time.

For the Miba Bearing Group, "Technological Leadership" means the following:

- An innovative approach to ever-changing bearing applications, based on ongoing R&D in basic tribology;
- A network that links customers with leading researchers in the field of combustion engines;
- Research into common and less-common materials and production technologies;
- Hiring staff with a passion for innovation and a focus on customers' demands and engine applications.



High-tech Manufacturing: The Key to Staying Competitive



The Miba Bearing Group currently operates four production sites, in Laakirchen, Austria, McConnellsville and Greensburg, USA, and a new production facility in Suzhou, China.

We use uniform manufacturing principles at our sites, to ensure uniform quality and rapid response times.

The main elements of our manufacturing operations are:

- Integrated processes; process-oriented organization
- Miba-specific bearing production technology for key processes
- Ongoing investment in state-of-the-art production technology

Integrated Processes and Process-oriented Organization

Fully integrated production systems are the secret to top quality and rapid response times. We therefore implement all the necessary technologies at our sites.

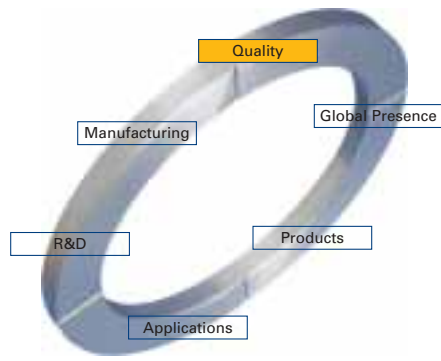
At Miba, we emphasize process-oriented organization, to ensure we maintain the necessary vertical range. Our production sites operate as part of a structure of autonomous business units, with clearly defined responsibilities along the chain of added value.

Miba-specific Bearing Production Technology

Key processes like fine boring, machining on dedicated production lines, and sputtering are developed in-house, and technologies are improved and enhanced on an ongoing basis. Thus our production processes are always on the cutting edge.

Investment in the Latest Technologies

High-tech manufacturing is driven by ongoing investment in the latest technologies. Carefully focused investment is an important aspect of Miba's long-term strategy, and we have identified heavy duty truck bearings as an additional segment of our core market. The Miba Bearing Group's average annual investment in new performance- and capacity-boosting technology recently doubled.



Staff Expertise and Mechanical Precision



Achieving high, stable quality levels in the manufacturing of bearings is all about high precision and attention to detail.

Some of our highly trained machine operators have decades of experience under their belts in bearing production, and are the cornerstones of Miba's operational excellence.

The Miba Bearing Group's corporate values – technological leadership, entrepreneurship, a passion for success, and lifelong-learning – are the key to serving our customers well.

We invest substantial sums in our personnel, providing them with ongoing training and staff development opportunities to ensure they have the skill sets they need.

At Miba, we see this process of ongoing improvement as part of our leadership responsibility, and it also helps enhance our business processes. Miba also encourages employees to cultivate an entrepreneurial mindset.

www.miba.com



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