

Innovation in Motion



Miba Automation Systems



Special Purpose Machinery for the Energy Sector

English

Custom Solutions: Our Key Strength

Miba is an international corporate group producing technologically advanced, high performance drive components and machinery. Miba Automation Systems is part of Miba Group. We develop special machinery and focus on customized, special-purpose CNC-based equipment.

Experience and Innovation

We have more than 60 years of experience in the development of special machinery for a broad range of applications. Thanks to our technical know-how and solutions which are fine-tuned to our customers' needs, we are a powerful and flexible partner in the field of special machinery for future-oriented industries. Our solutions are suitable for rapid, high precision mechanical production of large and very large components.

Our production site in Austria and sales offices around the world deliver leading-edge technology and optimum service. We aim to provide our customers with the best possible processing strategies. Converting specific challenges into products at competitive prices is our core competence.



Mechanical Production

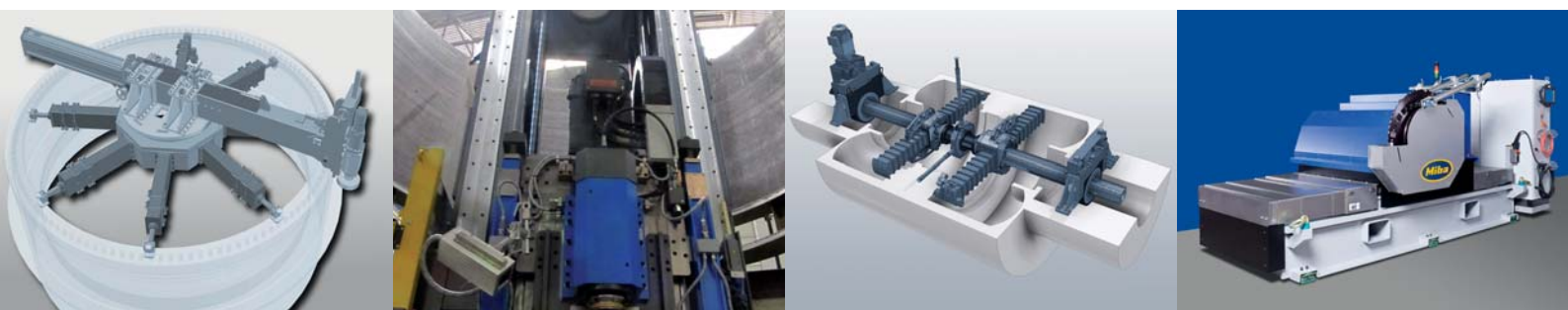
One of our greatest strengths is in the field of mechanical production. Whether it's milling, grinding, turning, broaching, punching or coining - our wide-ranging experience in machining makes us a leading provider.

CNC Machining Units for the Energy Sector

One of our particular areas of focus is the development of mobile CNC machining units. Our know-how and experience in CNC technology is a tremendous resource for the energy sector in particular. We are driving its growth by developing and building mobile CNC machining units.

Components have become larger than ever and as tasks grow more complex, machining precision needs to keep pace. This means systems must be engineered for the specific application. Mobile, transportable machines allow clients to apply sophisticated technological processes to components on site.

Our mobile special machines deliver substantial benefits in terms of cost-effectiveness and functionality.



For **conventional power plants** our mobile machinery is used in the reconditioning of primary and secondary circuits and the dismantling of nuclear power plants.

Machining of Turbine Casing

Mobile CNC machining units make revisions of power plant turbines highly economically. They decrease down time and transport costs. Advanced Miba Automation Systems technology ensures that execution is efficient, rapid and precise.

Mobile CNC machining units facilitate the precise machining of highly complex components. Laser-based systems ensure outstanding performance in terms of material removal and precision. In this field, safe machine operation and process reliability are of paramount importance. Savings in logistics, fast and accurate machining are the real benefits with our machines. All over the world, you can find Miba Automation Systems machines' performing the work of more expensive machining centers.

In the field of **renewable energy** our mobile special machinery is used for the construction of wind and hydro power plants.

Preparation of Weld Seam Profiles

Our circumferential and longitudinal weld seam milling machines are used to pre-mill exterior weld seam profiles on steel towers. Compared to conventional joining/grinding techniques, our machines help reduce seam preparation and weld times - thereby lowering the overall requirement for weld materials.

Flange Facing

Final machining of huge steel flanges (\varnothing 2 - 20 m) on finished components can be performed on site using our mobile flange facing machines. The intelligent design of our machines means that a wide range of machining diameters can be handled.

Machining of Large-Scale Housing

Our mobile CNC machining units are capable of the on-site turning, milling, grinding and drilling of hydro turbine housings with diameters up to 10 meters.



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