

A close-up photograph of a worker wearing a grey and red protective helmet and safety glasses, focused on operating a complex industrial machine. The machine features a clamping device that holds a metal plate in place. The worker's hands are visible, adjusting the machine. The scene is brightly lit, highlighting the metallic surfaces and the worker's concentration.

Modular Magnetic Clamping Device

Unique Board Quality by *bernfixx*®

As a leading worldwide supplier of steel belts, Berndorf Band Group exceeds ever increasing demand, especially in the wood industry. In addition to steel belt production at our headquarters in Austria, welding steel belts on site is one of our company's core competences.

In order to be meet current, and stay ahead of the future industry trends, a new, modular magnetic clamping device has been developed. By using permanent magnets, both new and existing steel belts, in all available thicknesses, are clamped down better and faster without offset. The outstanding execution of the cross-weld seam of a steel belt reflects in an endproduct quality which is unique at the market.

Your Benefits at a Glance

- + High endproduct quality in the cross weld seam of a steel belt
- + Lowest thickness and flatness deviations
- + Precise milling and welding processes
- + Quick installation and dismantling thanks to modular design
- + Increased safety and ease of handling
- + Simple logistics and infrastructure
- + Top-quality welding of existing and future generations of steel belts

Easy Handling & Safety

The modular design reduces the weight of individual parts. This not only increases the safety of the operators, but also allows faster installation in the customers plant.

Optimal Infrastructure & Logistics

Permanent magnets do not require electronic supply, which eliminates a control unit. This results in lower transport costs and the elimination of additional supply media such as cooling water or compressed air.

Efficient Milling & Welding

Thanks to the solid design, a high-performance milling motor in combination with a dry milling process can be used for precise preparation of the belt end. This allows accurate edge preparation and also minimizes the risk of a cutting error. The welding process, which is specially developed by Berndorf Band allows only the smallest thickness and flatness deviations.

