

# LINSINGER BFMK: Strip Edge Milling for Superior Manufacturing Efficiency in Welded Tube and Pipe Plants



Strip Edge Milling Machine BFMK for integration in spiral tube mills



For SSAW and ERW

Linsinger BFMK series of Strip Edge Milling machines are improving the way pipe manufacturers prepare welding edges. Engineered for precision, these machines ensure optimal edge profiles for steel strips used in both spiral and longitudinal seam pipe production. By adopting Linsinger's advanced milling technology, manufacturers can achieve superior weld seam quality while maximizing efficiency and reducing costs.

## Proven Technology Driving Industry Standards

For over 30 years, Linsinger has perfected the use of circumferential milling for strip and plate edge processing. This approach has set a new benchmark in the industry, replacing outdated methods like rolling shears and pre-slit coils, which often introduce defects and inconsistencies in weld seams. The BFMK series ensures precision and repeatability, key factors in maintaining high production standards.

## Enhancing Efficiency in Pipe Manufacturing

In today's competitive landscape, pipe manufacturers must continually optimize their production lines for both performance and cost savings. Traditional edge preparation methods, such as rotary shears, can compromise weld quality especially in heavy-wall applications, leading to structural deformations, seam defects, and increased material waste. These inefficiencies drive up production costs and lower overall throughput.

The Linsinger BFMK series directly addresses these challenges by offering a superior alternative.

## Key Benefits of Linsinger Edge Milling Technology

- **Consistent Quality:** The machines ensure high-quality edge profiles that meet even the highest welding standards.
- **Cost Efficiency:** By reducing oversizing and minimizing material waste, manufacturers can significantly lower their operational costs.
- **Impressive Material Removal Rates:** The edge milling process achieves high material removal rates, enabling you to

maintain desired line speeds even with heavy wall thicknesses and lower quality pre-material. Enhanced Chip Management: Unlike oversized chips produced by planning machines, the BFMK generates smaller chips that are easier to handle and dispose of.

- **Versatile Edge Profiles:** Capable of milling various edge profiles, including N, V, and X shapes.
- **High Performance:** The BFMK series achieves impressive line speeds—up to 80 m/min for longitudinal tube lines and up to 12 m/min for spiral tube lines - maximizing production efficiency while maintaining high quality.
- **Height-copying milling units:** ensure precise welding edges even on wavy sheets.
- **Support when you need it:** Remote diagnostics and troubleshooting available.
- **Machinery and tooling from a single source:** Benefit from Linsinger's expertise in machinery and tool manufacturing.

## Jindal Group Success with LINSINGER Edge Milling

A testament to the benefits of Linsinger's innovative technology: Jindal Group, a leader in pipe manufacturing, has invested in four BFMK strip edge milling machines for their U.S. operations over the past two years. This strategic investment has significantly enhanced and will continue to enhance Jindal's manufacturing capabilities, ensuring precise welding edge preparation and superior weld seam quality.



*"Linsinger's edge milling technology is a game-changer for our production process. The precision and efficiency of the BFMK machines will enable us to improve our weld seam quality while optimizing costs and throughput. Their advanced technology and user-friendly design ensure smooth operation and minimal downtime. We highly recommend Linsinger's edge milling equipment to improve manufacturing efficiency and achieve superior results."*  
**Jindal Group – LOKESH PATEL – Operations [Jindal Pipe USA]**