

Plate Edge Milling Machine for Weld Preparation

This plate edge milling machine prepares metal sheets for welding with precision. It is used for creating straight edges, bevel edges, and U-type grooves on plates in industries such as pressure vessel manufacturing, shipbuilding, and power generation.



ADDITIONAL IMAGES



Product Overview

Advanced Weld Preparation Technology

This industrial-grade plate edge milling machine is engineered for precision weld preparation, including straight, bevel, and U-type groove processing. Utilizing a stress-relieved, high-temperature treated welded body, the machine minimizes deformation and vibration to ensure consistent accuracy. It features a robust dual-guide rail system and high-torque frequency motor drives, making it an essential asset for heavy industries such as shipbuilding, boiler manufacturing, and pressure vessel production.

Technical Performance

Milling Capacity

80 mm

Max Thickness

3 mm

Max Milling Depth

45 deg

Max Milling Angle

Supported Workpiece Lengths

6m, 12m, 18m

Milling Feed Speed

0.2 m/min - 0.6 m/min

Quick Return Speed

1.2 m/min

Main Shaft Rotation Speed

80 - 400 r/min

Power & Hydraulics

Power Specifications

Component	Specification
Milling Head Motor	2 x 5.5 KW
Forward Motor	1.5 KW
Hydraulic System	5.5 KW

Hydraulic System Pressure	3.5 Mpa
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Machine Construction

Design Features

- Stress-relieved welded body for deformation resistance
- Combined suspending and base-type guide rail system
- High-quality 45# steel forged guide rails
- Workpiece-guard device for rapid positioning
- Throat hole design for processing extra-long workpieces
- Safe slip-touch cable system

Milling Head Configuration	1TX32 x 2 sets
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Milling Cutter Diameter	200 mm
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