



4-Side Plate Edge Milling Machine – PFM FALCON

PROFIT FROM OUR TOOL EXPERTISE

LINSINGER's latest plate edge milling machine generation PFM FALCON enables edge preparation on all 4 sides (2 longitudinal + 2 cross sides) of a plate in one clamping. Our proven **"LINSINGER Thick Chip Milling Technology"** ensures high feed and output rates at lowest possible tooling cost.

Due to the gantry milling concept and the magnetic clamping units, highest flexibility is given and even complex plate shapes such as trapezoidal and curved plates (e.g. for the vessel and wind tower industry) can be processed. For non-magnetic and complex materials such as Stainless Steel, High alloyed steels, Duplex and Super-Duplex grades, special clamping tables are available. Optional minimum quantity lubricant spray nozzles ensure economic machining even of these materials.

The machine covers easily plates with wall thicknesses from 10mm up to 200mm (0,4 – 8"). The high-power reserves of the machine ensure maximum torque of 6000 Nm and high feed rates even when heavy plates are milled. Various profile types (N/V/X/Y/J) can be realized. The proven copying function of the milling unit ensures a constant web-flow along the plate edge, even on heavily bent plates of high thickness.



Gantry Milling Machine PFM FALCON

YOUR BENEFITS:

- High feed rates and low tool cost with **"LINSINGER ThickChip Milling Technology"**
- All 4 sides of a plate are machined in one clamping
- Automatic machine setup for each plate dimension
- Different profiles on each edge possible
- Precise and fast welded seam preparation
- Various kinds of profiles available (V/X/Y/J...)
- Automatic tool changer function available
- Milling of various plate geometries (trapezoidal, curved) possible

TECHNICAL DATA

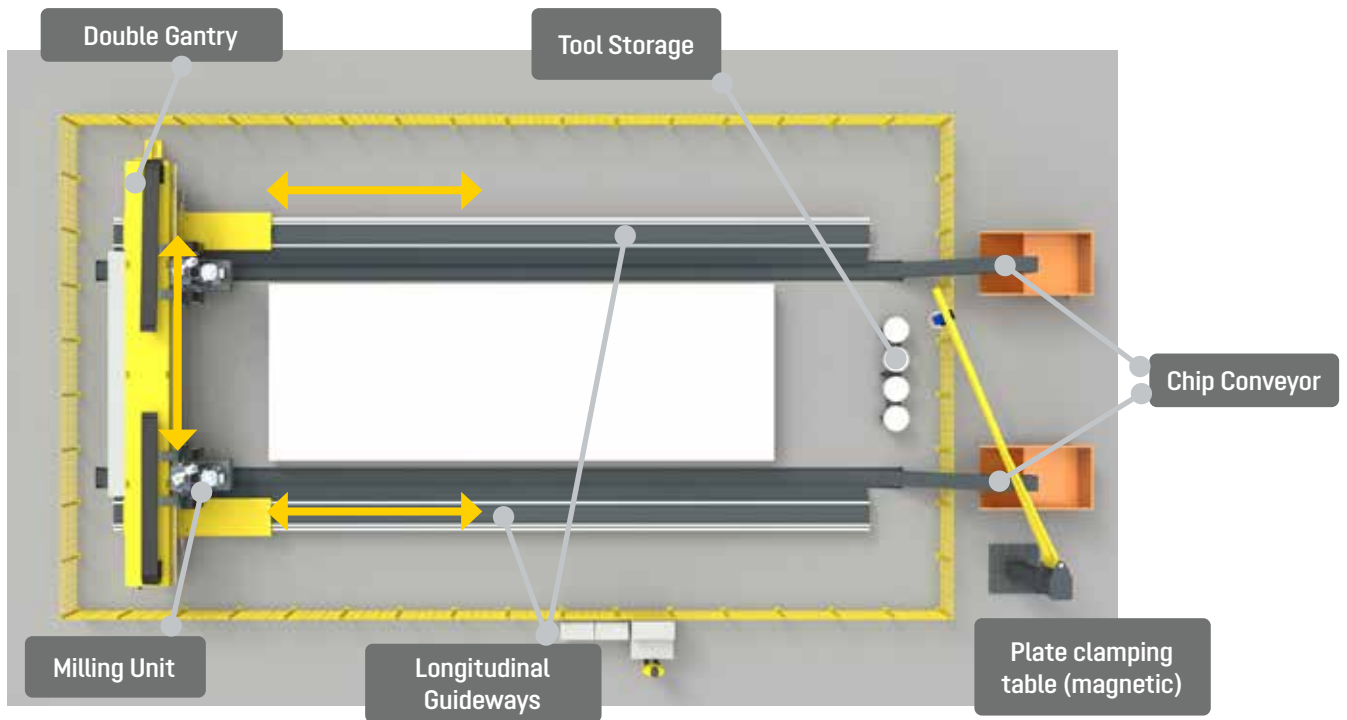
Cycle Time
20min

12,000 x 3,000mm
(40ft x 10ft)
t = 50mm (2")

Carbon Steel

LINSINGER 4-SIDE PLATE EDGE MILLING MACHINE – PFM FALCON

PLATE DIMENSION	12.000 x 4.200mm (39,5 x 13,75ft) - Larger dimensions possible
PLATE THICKNESS	10mm up to 200mm (0,4 – 8")
MATERIAL	Carbon Steel
MILLING TOOL	2 x Ø 600mm
MILLING POWER	2 x 95 kW
WEIGHT	75 tons machine weight + 60 tons clamping table



AVAILABLE OPTIONS

- Milling of Stainless Steel
- Alternative clamping solutions for Stainless Steel
- Surface milling function
- Milling of curved & trapezoidal plates



Cutterhead

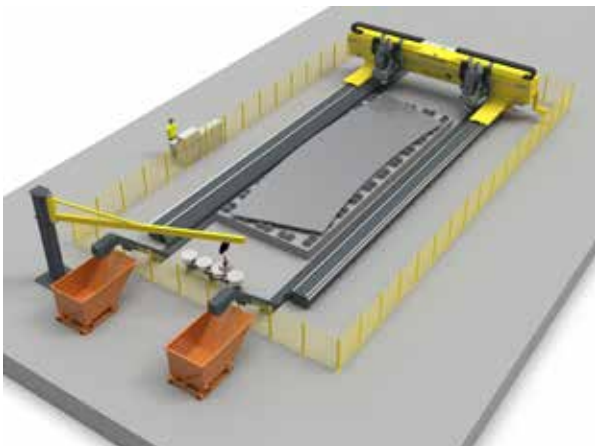


Plate Edge Profiles

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