

EDGE MILLING MACHINE FOR STRIPES / COILS

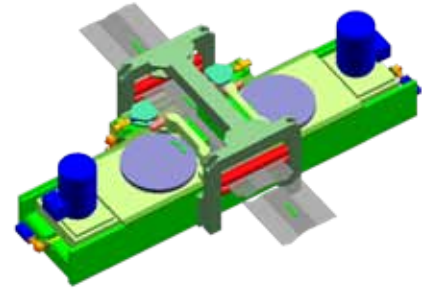
MFL provides economic and cost saving solutions for spiral pipe works. The design of the plant is exactly according to the customer's requirement:

Standard design

Low overall height for more stability of the plant

Additional features

- Height copying design
- Constant web flow e.g. X, Y-shapes
- Cross copying design
- Milling units follow exactly the sabre edge of the coil
- Additional intermediate slide for the guidance of the milling units



MILLING MACHINE FOR SPECIAL PROFILES



Milling machine for the production of linear guides



Milling machine for the production of tensile tests



RAIL TECHNOLOGY

OVERVIEW OF TYPES

- Rail sawing and drilling machines
- Rail drilling and milling machines
- Mobile railmilling machines
- Stationary railmilling machines



PERFECTION IN ALL AREAS

RAIL SAWING AND DRILLING MACHINE

The rail sawing and drilling machine cuts and drills rails in one pass.

Processable rail dimensions (HxW):	200 x 220 mm
Number of drillers:	1 - 6 pieces
Drilling diameter:	20 - 40 mm
Saw blade diameter:	660 mm
Tolerance of length:	+/- 5 mm
Tolerance of hole distances:	+/- 0.5 mm



Advantages for the user:

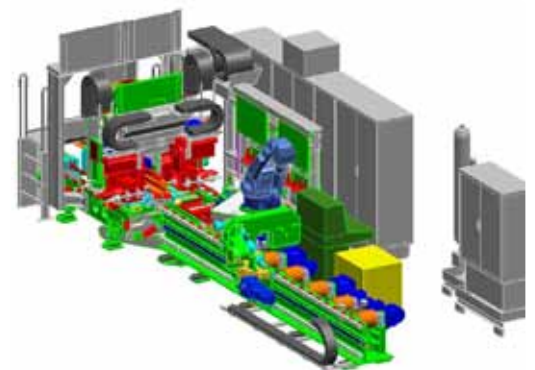
- Customized turnkey solutions
- Combined and simultaneous cutting and drilling of rails
- Horizontal and vertical adjustable drilling spindles
- Temperature compensation to guarantee exact lengths under different temperature conditions
- Guaranteed length tolerances of rails between 5 - 120 m



RAIL DRILLING AND MILLING MACHINE

The rail drilling and milling machine drills and mills rails in one pass.

Number of drilling stations :	1
Number of chamfering stations:	1
Round hole diameter:	20 - 40 mm
Slotted hole dimension:	Ø 20 - 40 x variable
Chamfering angle:	30° / 45°
Chamfering tolerance:	+/- 0.1 mm



Advantages for the user:

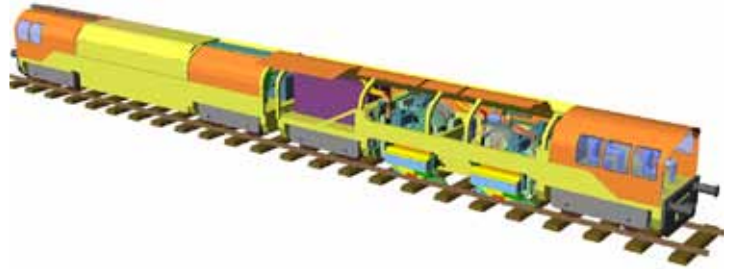
- Processing of round and slotted holes by one machine
- Processing of slotted holes in vertical and horizontal direction
- Precise chamfering within very close tolerances
- Web detection to recognise rail markings
- Exact length positioning by material feeding tongs
- Manipulator for automatic tool changing

RAILMILLING MACHINE

The railmilling machine is used for the removal of

- Short pitch corrugation
- Near surface defects
- Defects of the rail head shape

in main-line and underground tracks.



Mobile railmilling machine

The modular concept developed by MFL makes it possible to combine milling, chip removal, and grinding modules as required.

- More space for chips, tools, working places, store room, ...
- Individual combinations
- High productivity



Advantages for the user:

- No dismantling of tracks
- Processing of the rail head in one pass
- High removal rate
- Processing capacity up to 2 km/h
- Very accurate processed cross and longitudinal profile
- Environmental friendly process
- Applicability in undergrounds and main-line tracks
- Modular concept for all application areas



Stationary railmilling machine

The stationary railmilling machine is used for the removal of above mentioned rail defects too. For processing the track it has to be removed from the road bed.