

## Rail Drilling Machining Center

This machine is suitable for drilling and both-sided chamfering of rail profiles in various shapes and dimensions. The drill-machining is carried out with a  $\pm 15^\circ$  pivoting 2-axis-unit. This unit is equipped with an additional 6-ply tool changer. The rear-side chamfering of the bore holes is carried out with a non-pivoting 2-axis unit on the opposite side.

To achieve a constant both-sided chamfering despite large tolerances at the work piece, the machine was equipped with patented software. This program enables chamfering with a tolerance of  $\pm 0,3$  mm.

The feeder-magazine next to the machine holds up to 10 rails. The belt conveyor transports raw-part rails up to a length of 15 m into the machine. To be able to position the rail exactly the machine is equipped with a CNC-controlled rail positioning device. After processing the finished rails are picked-up by a feeder-magazine.

## Technical Details

### Traverse path

Y-axes	100 mm
Z-axes	320 mm
rail transport	18000 mm
tool magazine	450 mm
pivoting range	$\pm 15^\circ$

### Feed rates

max. speed	30 m/min
rail transport	10 m/min

### Main drive

max. capacity S1 / S6	20 / 25 kW
max. speed	4000 rpm
tool holder	SK 50

### Tool magazine

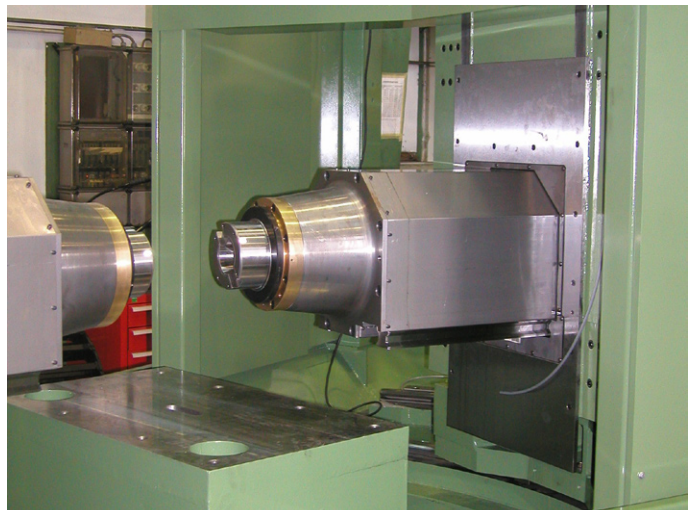
tool slots	6
max. tool length	230 mm
max. tool diameter	60 mm

### Parts magazine

rail length	1000-15000 mm
contact face length	2500 mm
conveying velocity	6 m/min

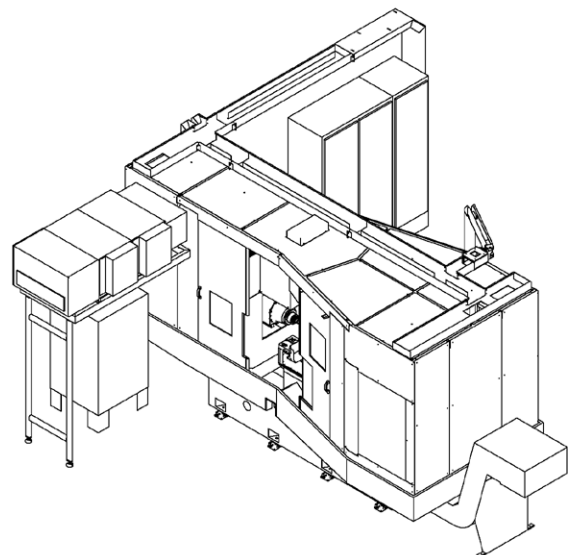
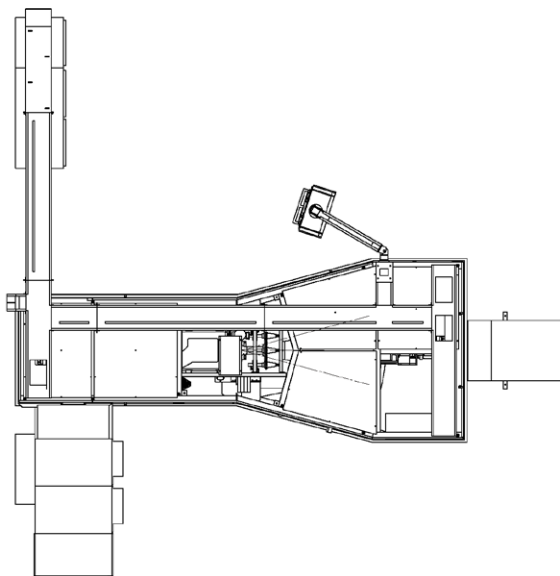
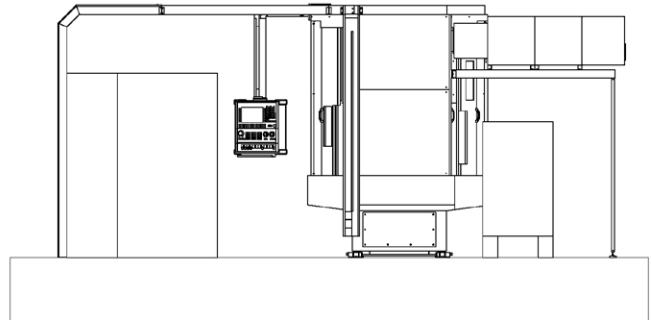
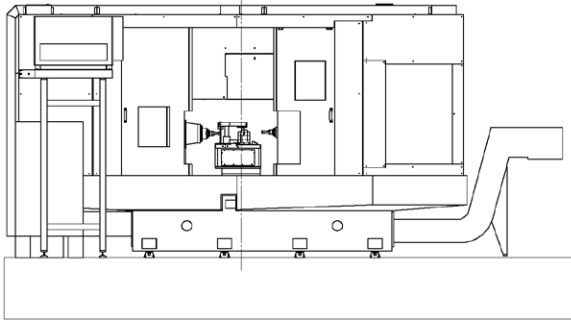
### Dimensions

space assignment	37,2x6,7x3,0 m
total weight	37500 kg



# SPX 5134

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