

## **Project Info 21**

Travelling column machining centre Type of machine:

Task: Milling of rolled steel profiles up to 8.8 m in length (lift masts for forklifts and high rack

warehouses)

Solution: Standard travelling column machining centre with horizontal SK 60 spindle

• Four tools in a pick-up magazine, consisting of an SK 60 milling cutter with counter

bearing, each fitted with 4 disc cutters of D = 500 mm

Hydraulic workpiece clamping device

Special characteristics: Prepared for unmanned operation with automated loading and unloading

Identification of the raw workpieces lying on the conveyor belt by means of a camera

Prefabricated parts are inserted into the clamping device and removed by means of a

gantry loader

Automated clamping device for optimal workpiece clamping

High-performance chip extractor running in parallel on the X axis

## Technical data:

X-traverse range: Y- traverse range: Z- traverse range:	12000 mm 600 mm 525 mm	
Main drive (with 100 % DC): Spindle torque (with 40 % DC): Speed range:	66 kW 3200 Nm 10 - 500 1/min	
Tool changing system:	4 tool places	



For heavy-duty machining of rail and strip profiles a high-torque 3200 Nm horizontal spindle and SK 60 toll holder are used



The clamping elements each open and pivot sideways to uncover the area to be machined for the milling tool as it moves past.