

Project Info 16

Type of machine: Travelling column machining centre VHC 50

Task: Machining of long rail sections for switches

Solution:

- Machining centre with a high-performance tilting spindle head
- Pendulum mode: machine table divided into two working spaces with a special clamping device in each
- Assembly in parallel with machining

Special characteristics:

- Special construction of hydraulic clamps and clamp jaws for rail tracks
- Two NC rotary tables working in gantry mode ensure torsionally stiff suspension of the long clamping bridge

Technical data:

X-traverse range:	9000 mm
Y- traverse range:	1000 mm
Z- traverse range:	1000 mm
Main drive (with 100 % DC):	82 kW
Spindle torque (with 100 % DC):	820 Nm
Speed range:	30 - 4000 1/min
Tool changing system:	XTS tool magazine with 60 tool places, SK 50
NC rotary table:	2 x AXA RTA 4S (faceplate diameter 630 mm)
Swivel head:	Infinitely variable Swivelling range +/- 90°

