



Project Info 24

- Type of machine: Travelling column machining centre VHC 3 XTS 50
- Task: Machining of guide rails made from high-strength steels
- Werkstücke: high-strength steels, Toolox 33 / Toolox 44
- Solution:
- Equipment of the working area with magnetic clamping plates and hydraulic vises.
 - The magnetic clamping plates are located in the rear Y-axis travel area and can be controlled via the main control panel.
 - The hydraulic vises are equipped with an integrated measuring system, which enables precise pre-positioning of the vises for different workpiece widths.
 - Programming is carried out via a specially designed HMI interface.
- Special features:
- Two-part machine bed: The VHC has been designed so that it can be split lengthwise for transport and commissioning.
 - This reduces transport costs and simplifies commissioning at the customer's site.

Technical data:

X-traverse range: Y-traverse range: Z-traverse range:	6000 mm 1000 mm 1200 mm
Tilting spindle head:	Size B, continuously adjustable (interpolating) Swivelling range: +/- 100°
Power (with 40% DC): Torque (with 40% DC): Speed range:	max. 56 kW max. 540 Nm up to 7500 rpm
Tool changer:	XTS tool magazine with two towers and a total of 144 tool pockets, HSK A100
CNC-system:	Heidenhain TNC7
Additional equipment:	<ul style="list-style-type: none">▪ Rack and pinion drive in the X-axis▪ Optional use of internal cooling (IKZ) and external cooling (AK) by compressed air or coolant▪ Chip flushing system in the working area▪ Electromechanical doors▪ Extraction system by AFS▪ Split machine bed▪ Platform in front of the machine▪ Tool measurement: Blum Micro Single NT▪ Touch probe: Heidenhain TS 460



