

Project Info 19

Type of machine: Travelling column machining centre VHC

Task: Machining special shafts and pipes

- Solution:
- Standard travelling column machining centre with customer-specific clamping technology in the working space
 - Use of a swivelling bridge with hydraulic clamps and additional centring clamps
 - Moveable rotary table with power chuck, pick up station

- Special characteristics:
- Working space equipped with swivelling bridge and rotary table with power chuck
 - Can be used in pendulum mode

Technical data:

X-traverse range:	3000 (2 x 1250) mm
Y- traverse range:	700 mm
Z- traverse range:	850 / 790 mm
Main drive (with 40 % DC):	56 kW
Spindle torque (with 40 % DC):	355 Nm
Speed range:	7500 1/min
Tool changing system:	XTS tool magazine, 2 x tool towers with 120 places + pick up station
Rotary table:	2 x NC rotary table RTA 4L-520
Swivel head:	Infinitely variable +/- 90°



On the swivelling bridge installed in the left-hand pendulum working space, several workpieces can be clamped in parallel and each machined on three sides

Shafts and pipes are held in centring clamps. The workpieces are automatically rotated by means of the rotary table housed on the left-hand side and the tailstock installed on the right-hand side

Use of special tools on a horizontally aligned pick-up magazine

