

Project Info 20

Type of machine: Travelling column machining centre

Task: Machining base frames for knitting machine

Solution:

- Around 20 racks are stored in a high rack axially in front of the machine
- The workpiece is inserted into the hydraulic clamping device by means of a gantry loader
- Complete machining by means of 2 swivel heads with HSK A100 spindles

Special characteristics:

- 2 angular milling heads above a stable four-point support on the spindle with integral HSK A63 tool clamp
- Each angular milling head has its own 32-fold tool plate

Technical data:

X-traverse range: Y- traverse range: Z- traverse range:	6200 mm each travelling column 900 mm each travelling column 800 mm each travelling column
Main drive (with 40 % DC): Spindle torque (with 40 % DC): Speed range:	each 45 kW each 286 Nm each 7500 1/min
Tool changing system:	XTS tool magazines with each 46 tool places (HSK A100) Plate-tool-shops with each 32 tool places for angular heads (HSK A63)
Swivel head:	Individual swivel heads (A-axes)



Partial machining from beneath by bolting heavy angular milling heads above a four-point support

Main spindles that swivel around the X axis enable flexible manufacture of any contours, including with inclinations

