



## Project Info 26

- Machine type: Travelling column machining centre VHC 3-4000 XTS
- Task: Flexible machining of aluminum profiles in two working areas or, in the case of long profiles, machining in long-bed operation
- Workpieces: Various aluminum profiles
- Solution:
- Elimination of the clamping plates in the working area.
  - Instead, installation of one clamping bridge in each of the two working areas, consisting of an RTA4-520, a clamping bridge measuring 1970 x 600 x 400 mm, and a GL2 support unit.
- Special features:
- The clamping bridge elements are equipped with a quick-change adapter and can therefore be rapidly dismantled and replaced.
  - For flexible and fast changing of clamping devices, the clamping bridges are equipped with T-slots on two sides and zero-point clamping systems on the top side

### Technical data:

X-traverse range: Y-traverse range: Z-traverse range:	4000 mm 1100 mm 1200 mm
Clamping surface:	Clamping bridges, each measuring 1870 x 600 x 400 mm
Spindle power (with 40% DC): Torque (with 40% DC): Speed range:	max.40 kW max. 255 Nm 14000 rpm
Tool changing system:	XTS tool magazine with 96 tools, HSK A 63
CNC-system:	Siemens 840 Dsl
Additional equipment:	<ul style="list-style-type: none"><li>▪ Automatic doors</li><li>▪ Suspended, movable, and height-adjustable control panel</li><li>▪ Increased accuracy</li><li>▪ Blum-Novotest Micro Single NT laser measuring system</li><li>▪ Clamping hydraulics up to 330 bar with two double-acting clamping circuits and 7 connection points each</li><li>▪ 1000 l emulsion tank with drum belt filter, dual switching filter, and oil belt skimmer</li><li>▪ Extraction system with two units</li><li>▪ Laminated safety glass in the working area doors</li><li>▪ HT2 handwheel</li><li>▪ Operating mode 3 without enabling switch</li><li>▪ Remote maintenance package</li><li>▪ Automatic shutdown function: after a standby waiting period, major power consumers are switched off</li><li>▪ Cooling unit</li></ul>

