



## Project Info 27

- Machine type: Travelling column machining centre VSC 2-1760 XTS
- Workpieces: Large, angled workpieces
- Task: Machining the outer side of one leg of the workpiece. The surface to be machined is not positioned at a 90° angle to the second leg of the workpiece
- Solution: The workpiece is clamped centrally in a clamping fixture with multiple vises and hydraulic swing clamps so that vibrations during machining are minimized as much as possible.
- Special features:
- Elevated machine design, allowing the leg of the workpiece to be machined to be up to 1200 mm long. The non-machined leg may be up to 2600 mm long.
  - Since the holes and the surface are not positioned at a 90° angle to the second leg, the clamping fixture can be tilted by up to  $\pm 3^\circ$ .

### Technical data:

X-traverse range: Y- traverse range: Z- traverse range:	1760 mm 600 mm 850 mm
Clamping surface:	Special clamping fixture for a workpiece with two legs measuring 1200 x 2600 mm, with a width up to 200 mm and thickness up to 80 mm
Spindle power (with 40% DC): Torque (with 40% DC): Speed range:	max.40 kW max. 255 Nm 8000 rpm
Tool changing system:	XTS tool magazine with 22 tool pockets, SK 40
CNC-system:	Heidenhain TNC640 with TNC7 (GEN2) drive components
Additional equipment:	<ul style="list-style-type: none"><li>▪ Additional machine frame underneath the machine bed for machining particularly large workpieces</li><li>▪ Automatic doors</li><li>▪ Suspended and movable control panel</li><li>▪ Clamping pressure of the hydraulic centering clamps manually adjustable</li><li>▪ Handwheel</li><li>▪ External control cabinet</li><li>▪ Air purge protection for measuring systems</li></ul>

