

## Vertical CNC machining center HEDELIUS TILTENTA 7 3200

The T7 3200 machine can (on request) be equipped with two integrated NC rotary tables, and the workspace divided in this way enables the economically advantageous, repeatable production of large and heavy workpieces. It only takes 10 seconds to move from one workspace to another during shuttle operation. Without a partition, a large work surface is available, which can be used for vertical machining of pieces up to 3200 mm long.

### Main characteristics

- Universal machining center with tiltable main spindle enabling 5-axis machining
- Integrated NC rotary table with a load of up to 1200 kg and a turning diameter of up to 1100 mm
- Machining workpieces up to 3200 mm long
- Optionally divided workspace with two integrated rotary tables (change of workspace within 10 s)
- Robust construction
- The highest precision is guaranteed by means of four sliding axes of the tool and one axis of the workpiece
- Quick tool change
- Very compact design, ergonomic design of the workspace



### Recommended accessories

- **Efficient machining in a divided workspace**  
A workspace for machining in shuttle mode is created by simply and quickly installing a partition. The result is a saving of secondary clamping times and higher productivity
- **NC rotary tables** suitable for multi-sided machining and shaft machining
- **Backup (standby) magazine for 180 tools** complete with cleaning and lubrication station, tools completely under control, saving extra time
- **PICK-UP tray for automatic exchange of large or long tools** (up to 5 tools, max. Ø 210 mm, max. length 480 mm)
- **Hydraulic or pneumatic clamping systems** to automatically control zero points or clamping vices.
- **ZeroClamp system**  
Zero clamping system integrated into the rotary/folding table without restriction of travel in the Z axis. Reduction of downtime, clamping outside the machine, quick and easy exchange of workpieces.
- **Automation with a robotic system** allowing the machine to be used with maximum productivity on the second shift or at the weekend

Technical parameters	
X, Y, Z-travel	3200/2630 x 750 x 695/800 mm
Division of the workspace	2 x 1330 mm
Tilt range	-5 - +98°/-98° - +98°
Number of revolutions	14000/18000 rpm
Spindle performance	22/29/35 kW
Number of tools	50 / 230 (max.)
Spindle clamping cone	SK 40/HSK A63
X, Y, Z-axis rapid traverse	40 / 40 / 40 m/min
Measuring system	direct
Control system	Heidenhain TNC 640 / Sinumerik 840 D
Table clamping surface	3680 x 750 mm
Table load	3000 kg
The diameter of the rotary table	Ø 750 mm
Turntable load	800 kg
Turning diameter	Ø 1100 mm

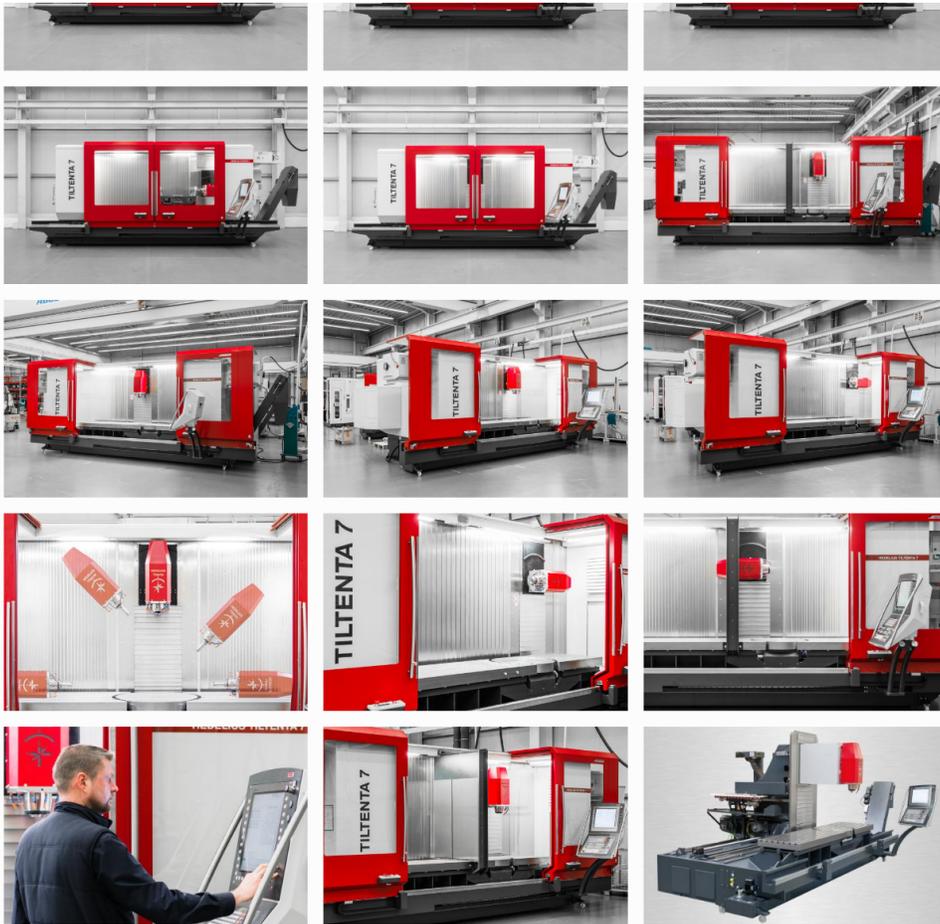
### Video



### Photogallery







### Recommended accessories



Efficient machining in a divided workspace



NC rotary tables



Backup (standby) magazine for 180 tools



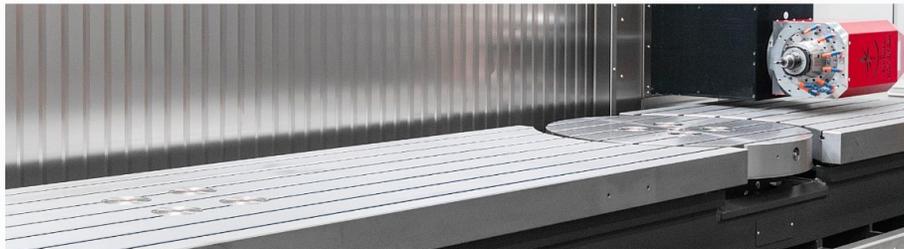
Hydraulic or pneumatic clamping systems



Automation with a robotic system



PICK-UP magazine for automatic exchange of large or long tools



ZeroClamp System

