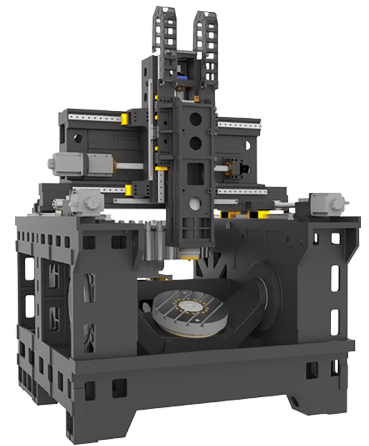




Powerful High Speed Precision Machining

- Gantry design
- Torque motor direct drive rotary table
- Dual drive system with two ballscrews on Y axis to ensure the best dynamic
- Compact design with minimum floor plan area



Technical Specifications	U500-5X
Table	
Max. workpiece diameter	700mm
Table size	500mm
T-slots (width x number x distance)	14 x 5 x 80mm
Max. load	500kg
Travel	
X/Y/Z Travel	700 / 650 / 450mm
AC Travel	+30° ~ -110° / 360°
Spindle	
Spindle Taper	HSK A63
Spindle motor power	21/26, 20/24kW
Spindle motor torque	67/86, 48/58Nm
Spindle speed	18000-20000rpm
Spindle nose to table	135-585 / 110-560mm
Feed	
Rapid feed X/Y/Z	36 m/min
Rotation Speed A/C	100 / 170rpm
Cutting Speed	1-12000mm/min
Tool changer	
Number of tools	32 pcs
Max. tool length	250mm
Max. tool diameter	63mm
Max. tool weight	4kg
Accuracy (VDI 3441)	
Positioning accuracy	0.006mm (X/Y/Z) 5/3 arc-sec (A/C)
Repeatability accuracy	0.003mm (X/Y/Z) 2.5/2 arc-sec (A/C)
Dimensions & weight	
Dimensions	3560 x 3380 x 2995mm
Weight	9000kg

Standard Configuration:

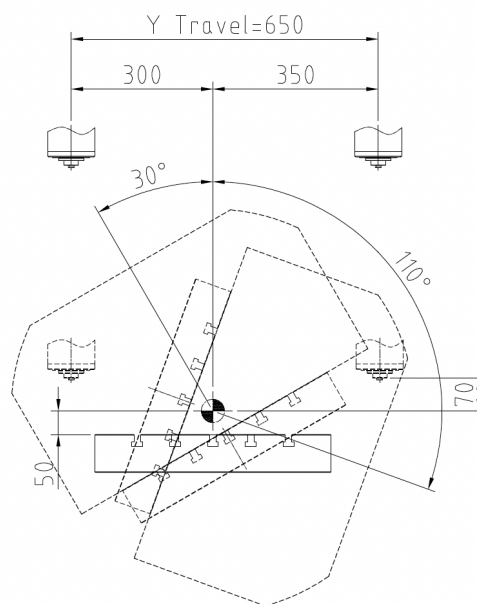
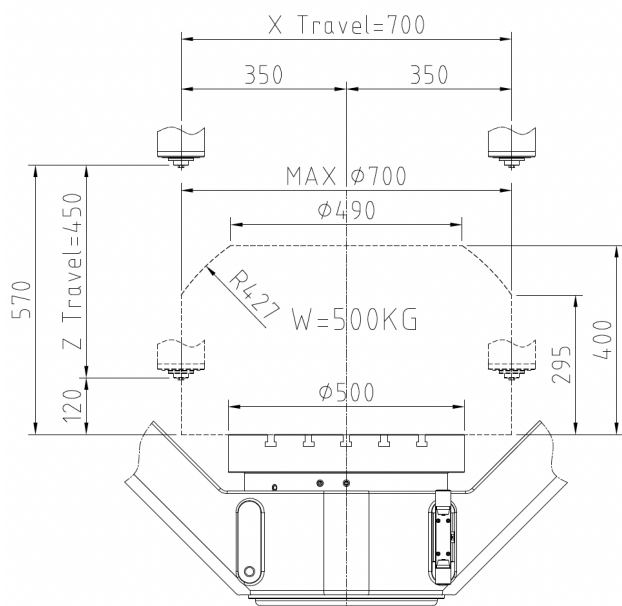
- Direct drive rotary table
- Full enclosed splash guard
- Built-in spindle HSK A63 20000 rpm
- 32 pockets tool changer
- Chain type chip conveyor
- Air-conditioned electrical cabinet
- High precision spindle watercooler
- Linear scales on X/Y/Z Axis
- Rotary encoder on A/C Axis
- Rigid tapping
- Ethernet, CF card and USB interface
- Automatic lubrication system
- Coolant system
- Air blast during cutting
- LED work lamp
- End of program light
- Electronic handwheel (MPG)
- Tool box
- Levelling bolts and blocks
- Coolant gun
- Air gun
- Manual

Optional Configuration:

- Built-in motor spindle HSK A63 18000rpm
- Built-in motor spindle HSK E50 36000rpm
- CTS Coolant through spindle + ATS
- Oil cooled ballscrew
- Workpiece probe
- Tool probe
- Dynamic Collision Monitoring (DCM)
- Kinematics
- Oil mist collector
- Minimum quality lubrication system
- Coolant cooling system

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.

Cutting area



Dimensions

