



- X/Y/Z Axis movement is separated from the machining area
- Dual support rotary table
- High rigidity, high performance and efficiency
- A/C Axis with roller gear cam drive

Technical Specifications		C500-5X
Table		
Max. workpiece diameter		700mm
Table size		500 x 400mm
T-slots (width x number x distance)		14 x 80 x 5mm
Max. load		300kg
Travel		
X/Y/Z Travel		700/550/500mm
AC Travel		+30° ~ -120° / 360°
Spindle		
Spindle Taper		SK40/BBT40/CAT40
Spindle motor power		9/22kW
Spindle motor torque		63/135mm
Spindle speed		12000rpm
Spindle nose to table		120-620mm
Feed		
Rapid feed X/Y/Z		48 m/min
Rotation Speed A/C		50/60rpm
Cutting Speed		1-12000mm/min
Tool changer		
Number of tools		40 pcs
Max. tool length		300mm
Max. tool diameter		80/125mm
Max. tool weight		8kg
Accuracy (VDI 3441)		
Positioning accuracy (without linear scales)		0.008mm
Repeatability accuracy (without linear scales)		0.006mm
Positioning accuracy (with linear encoder)		0.006mm
Repeatability accuracy (with linear encoder)		0.004mm
Dimensions & weight		
Dimensions		3976 x 4965 x 3050mm
Weight		7000kg

Standard Configuration:

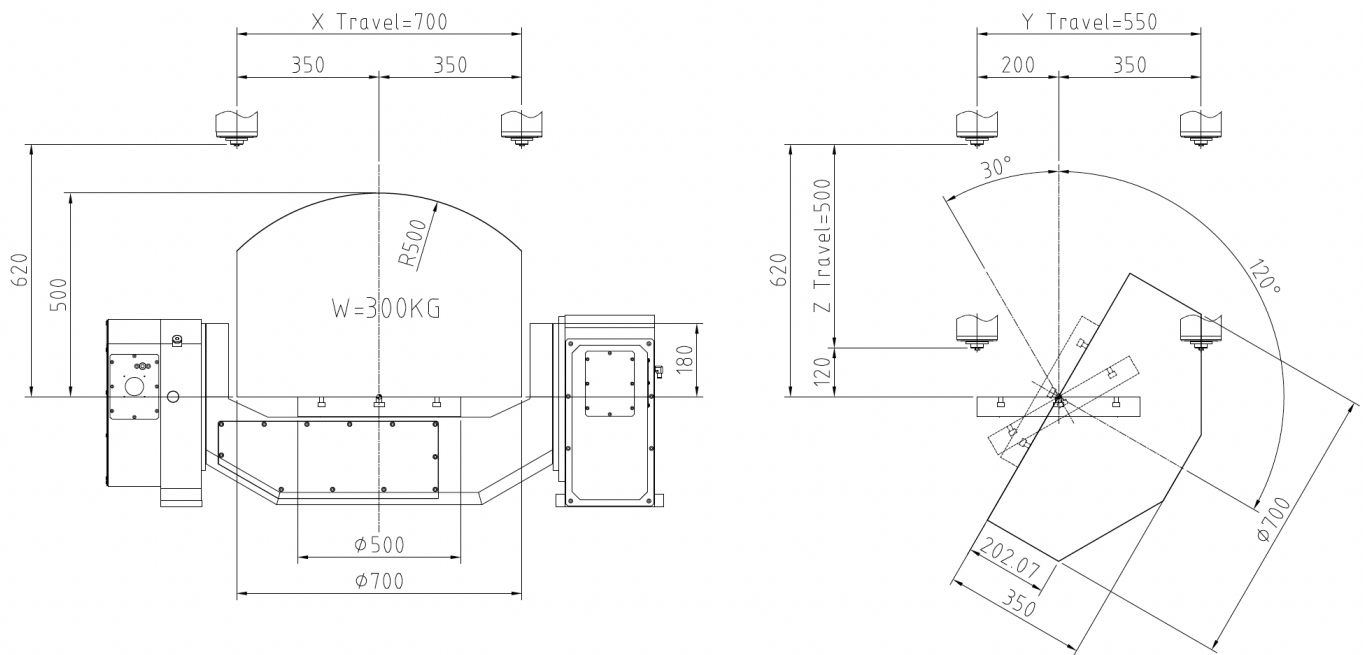
- Roller gear cam drive rotary table
- Full enclosed splash guard
- Direct drive spindle 12000rpm
- 40 pockets chain type tool changer
- Chain type chip conveyor
- Spindle oil cooler
- Air-conditioned electrical cabinet
- Rigid tapping
- Ethernet, CF card and USB interface
- Automatic lubrication system
- 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:

- Direct drive spindle 15000rpm SK40/BBT40/CAT40, 8.5/33.5kW_63/135Nm
- Direct drive spindle 15000rpm HSK A63, 8.5/33.5kW_63/135Nm
- Built-in spindle 18000rpm HSK A63, 30/36kW_85/102Nm
- Built-in spindle 20000rpm HSK A63, 20/24kW_48/58Nm
- 60 pockets chain type tool changer
- Linear scales on X/Y/Z axis
- Rotary encoder on A/C axis
- CTS Coolant through spindle + ATS
- Workpiece probe
- Tool probe
- Oil mist collector
- Oil skimmer
- Dynamic Collision Monitoring (DCM)
- Kinematics

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

Cutting area



Workpiece samples

