

MAZAK VARIAXIS i600 SmoothX 5 axis CNC milling machine, 2019, 1583 hours

Max. workpiece diameter 700 mm
Max. workpiece height 450 mm
X-axis travel 510mm
Y-axis travel 910mm
Z-axis travel 510mm
A-axis swivel -120°+30°
B-pivoting axis no
C-pivoting axis +/-360°
Mass loading capacity 500 kg
Axles
Motor axes size/torque SK-40/12.000 1/min
Main motor power 100% /15kW
Torque 200Nm
Travel speeds
X/Y/Z axis 60/60/56 m/min
Pivoting axis A/C 18000°/min
X/Y/Z axis axis travel 56 m/min
Tool magazine and tool changer
Number of tools 40
Max tool diameter 90 mm
Max diameter without neighbouring tool 130 mm
Tank/tank capacity
Lubricating oil tank 1,80 L
Coolant tank 600 L
Spindle coolant tank 56 L
Precision
X/Z axes 0,012/0,012mm
Y axis 0,016mm
A-axis 14s
Repeatability X/Z 0,007mm
Repeatability Y 0,009mm
Repeatability A 8s
Repeatability B no
Repeatability C 8s
Machine size
Length 3980 mm
Width 2200 mm
Max. height 3187 mm
Max. weight 13.000 kg
Features of current intake
Installed power 52,90 kVA
Current frequency 50/60 Hz+/-1Hz
Air supply characteristics
Pressure 0,5-0,9 Mpa
Max. flow rate 360 L/min