

SPECIFICATION

Tank G 4AX H 3000

Work Area

X-axis stroke	3000mm
Y-axis stroke	2500mm
Z-axis stroke	2500mm
X/Y/Z axes thrust	3000daN
X/Y/Z rapid feed speed	40/40/32m/min
X/Y/Z axes acceleration	3m/s ²

Pallet

Pallet dimensions	1250 x 1600mm
Max. fixture height	2500mm
Max. fixture rotation diameter	3000mm
Max. fixture dimensions	3000 x 2400mm

Rotary Table

Maximum rotation speed	8rpm (worm screw transmission) 15rpm (torque motor transmission - Option)
Maximum load allowed on pallet	8000kg
Minimum resolution	0,0001 degrees

Accuracy (as per ISO 230-2 Standards)

Accuracy of positioning - linear axis (A)	5µm
Systematic positional deviation - linear axis (M)	3µm
Repeatability - linear axis (R)	4µm
Accuracy of positioning - circular axis (A)	4 arc sec
Systematic positional deviation - circular axis (M)	2 arc sec
Repeatability - circular axis (R)	3 arc sec

Spindle

Tool taper	HSK 100 / ISO50 / HSK 63
Max. speed	From 8000rpm to 30000rpm
Max. power	Upto 130kW

Max. torque	Upto 1430Nm
Accessories included	Variable preloading bearings
Tool Magazine	
Type	Modular rack with tool movement system and exchange arm
Tool taper	HSK 100 / ISO 50 / HSK 63
Number of tools (standard version)	80 / 199
Number of tools (Option - upto)	399 - 599 - 999
Tool mass	35kg (HSK 63 15)
Maximum length	600mm / 700mm (HSK 63 350)
Maximum diameter	325mm (HSK 63 200)
Tool changing time	2.5sec (HSK 100) / 3.0sec (ISO 50)
Coolant Treatment Unit (Basic Version)	
Chip conveyor type	Scraping type
Total tank capacity	1500litres
Filter type	Self cleaning (250 microns)
Standard low pressure system	
Flow rate	300/400litres/min (to be divided into the various machine functions)
Pressure	2 bar
Piece washing with ozzles	300/400litres/min (250 microns)
Standard high pressure system	
Flow rate	28litres / 40litres
Pressure	20 bar / 80 bar