

SPECIFICATION

Tank 4AX_H_1600

Work Area

X-axis stroke	1600mm
Y-axis stroke	1400mm
Z-axis stroke	1500mm
X/Y/Z axes thrust	2000daN
X/Y/Z rapid feed speed	50m/min
X/Y/Z axes acceleration	5m/s ²

Pallet

Pallet dimensions	800 x 800mm / 800 x 1000mm / 1000 x 1000mm
Max. fixture height	1400mm
Max. fixture rotation diameter	1750mm
Max. fixture dimensions	1750 x 1300mm (TBD according to automation solution)

Rotary Table

Maximum rotation speed	20rpm (worm screw transmission) 40rpm (torque motor transmission - Option)
Maximum load allowed on pallet	1500kg / 2000kg / 2500kg
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 6000rpm to 30000rpm

Max. power	Upto 130kW
Max. torque	Upto 1320Nm
Accessories included	Variable preloading bearings
Tool Magazine	
Type	Modular rack with tool movement system and exchange arm
Tool taper	HSK 100 / ISO 50 / CAPTO C6
Number of tools (standard version)	80 / 199
Number of tools (Option - upto)	399 - 599 - 999
Tool mass	35kg (HSK 63 15)
Maximum length	600mm (HSK 63 350)
Maximum diameter	325mm (HSK 63 200)
Tool changing time	2.5sec (HSK 100) / 3.0sec (ISO50)
Coolant Treatment Unit (Basic Version)	
Chip conveyor type	Scraping type
Total tank capacity	1500litres
Filter type	Self cleaning (40 microns)
Standard low pressure system	
Flow rate	300litres/min (to be divided into the various machine functions)
Pressure	2 bar
Piece washing with nozzles	300litres/min (250 microns)
Standard high pressure system	
Flow rate	28litres / 40litres
Pressure	20 bar / 80 bar