SPECIFICATION	**Tank G 5AX_DIV 1600**
Work Area	
X-axis stroke	1600mm
Y-axis stroke	1000mm
Z-axis stroke	1400mm
X/Y/Z axes thrust	3000daN
X/Y/Z rapid feed speed	50m/min
X/Y/Z axes acceleration	$3m/s^2$
Pallet	
Pallet dimensions	Dia: 800mm Dia: 1000mm
Max. fixture height	400mm
Max. fixture rotation diameter	1100mm
Max. fixture dimensions	1100mm
Rotary Table	
Maximum rotation speed	20rpm (torque motor)
Maximum load allowed on pallet	5000kg kg
Minimum resolution	0,0001 degrees
HORIZONTAL / VERTICAL ROTARY UNIT (4^{th} + 5^{th} Continuous Axis)	
Maximum load allowed on the pallet	500kg
C Axis rotation speed	500 / 1200rpm
C axis minimum resolution	0,0001 degrees
B Axis rotation speed	20rpm
B axis angle	270 degrees
B axis 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 T / CAPTO C8 / CAPTO C6
Max. speed	From 8000rpm to 18000rpm
Max. power	Upto 91kW
Max. torque	Upto 633Nm
Accessories included	Variable preloading bearings
Tool Magazine	
Type	Modular rack with tool movement system and exchange arm
Tool taper	HSK 100 T / CAPTO C8 / CAPTO C6
Number of tools (standard version)	80 / 199
Number of tools (Option – upto)	399 – 599 – 999
Tool mass	35kg (CAPTO C6 15)
Maximum length	600mm / 700mm (CAPTO C6 15)
Maximum diameter	325mm (CAPTO C6 200)
Tool changing time	2.5sec
Coolant Treatment Unit (Basic Version)	
Chip conveyor type	Scraping type
Total tank capacity	1500 litres
Filter type	Self cleaning (40 microns)
Standard low pressure system	
Flow rate	300/400litres/min (to be divided into the various machine functions)
Pressure	2 bar
Piece washing with nozzles	300/400 litres/min (250 microns)
Standard high pressure system	
Flow rate	28 / 40 litres/min
Pressure	20 / 80 bar

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