

## TECHNICAL DATA

MODEL		MODEL T 0,5 (4 SPINDLE)	MODEL T 1,25 (2 SPINDLE)
<b>WORKING AREA</b>		Ø600 mm. H=500 mm.	
Z Axis (vertical)	stroke	400 +50 mm	
X Axis (horizontal)	stroke	500 mm	
Y Axis (horizontal)	stroke	1850 mm	1300 mm
A Axis (swivelling)	stroke	+110° -10°	
C Axis (rotating)		360° continuous	
<i>All axis X Y Z A C are mechanically independent</i>			
<b>MAIN SPINDLE DRIVES</b>			
Tool Mounting		HSK 63 (HSK 80 Option)	
PEL Control		Option on Request	
Rated Power per Spindle (12.000 rpm version)		29,2 Kw (S1) at 3100 rpm	
Rated Torque per Spindle (12.000 rpm version)		90 Nm. (Max Torque 200 Nm.)	
Max Speed		10,000 rpm bearings Ø80 mm	
		12,000 rpm bearings Ø80 mm optional 16,000 rpm bearings Ø70 mm.	
Motor Cooling by Closed Liquid Circuit		Standard	
Spindle Distance		870 mm.	
Refrigeration Tools through Spindle		50 bar (70 bar option)	
Time 0 - 8000 rpm		0,7 sec.	
Temperature Control Bearings		YES	
<b>FEED DRIVES</b>			
Max Rapid Speed X-Y-Z		60 mt/min	
Max Feed Thrust Z (S1)		9500 N	
Max Feed Thrust X (S1)		12750 N	
Max Feed Thrust Y (S1)		11500 N	
Accelleration X - Y - Z Axis		10 m/sec <sup>2</sup>	
Linear Position Accuracy X - Y - Z Axis		±0.006 mm	

<b>A-C AXIS (DIRECT DRIVE)</b>		
Rated Torque A Axis (swivelling)	1500 Nm (Max 2900 Nm)	
Rated Torque C Axis (rotating)	350 Nm. (Max 700 Nm)	
Max Speed A Axis	30 rpm	
Max Speed C Axis	60 rpm	
Brake A Axis	4500 Nm at 50 bar	
Brake C Axis	1500 Nm at 50 bar	
Position Accuracy A - C Axis	±6"	

<b>ABSOLUTE MEASURING SYSTEM</b>		
X - Y - Z Axis	Encoder	Heidenhain - Amo
A - C Axis	Inductive Measuring System (direct)	

<b>TOOL MAGAZINE</b>		
Tool Capacity (per Spindle)	20x Ø150 mm.	
	30x Ø100 mm.	
	40x Ø75 mm.	
Max Number Tools in Machine	160	80
Max Tool Weight	4,5 Kg. (7,5 Kg. Option)	
Tool Change Time	1 sec.	2,4 sec
Tool Change Time (Chip to Chip)	1,8 sec.	3,9 sec.

<b>PALLET CHANGER</b>		
W Axis Stroke	0 - 180°	
Complete Cycle of Pallet Change	14 sec.	
PEL Control Pallet	YES	
Maximum Weight Loaded on Each Pallet	150 Kg.	
Hydraulic Connection for Clamping Device	(2+2) (4+4) (5+5)	

<b>INSTALLATION DATA</b>		
Total Installed Power	220 Kw	145Kw
Average Power Consumption	68 kw	52kw
Total Weight	39.500 Kg	29.000 Kg
Dimensions L x W x H	7700x3100 h=3500	6800x3100 h=3500