



TECHNICAL CHARACTERISTICS		MONOBLOCK Models					DOUBLE COLUMN Models				
		VR 1.6	VR 2.0	VR 2.4	VR 2.8	VR 3.2	VR 3.6	VR 4.0	VR 4.6	VR 5.3	VR 6.3
<b>GENERALITIES</b>											
ø Turning diameter	mm	1.600	2.000	2.400	2.800	3.200	3.600	4.000	4.600	5.300	6.300
Chuck diameter	mm	1.200 ÷ 1.400	1.600 ÷ 1.800	2.000 ÷ 2.200	2.400 ÷ 2.600	2.800 ÷ 3.000	3.000 ÷ 3.200	3.400 ÷ 3.600	3.600 ÷ 4.200	4.300 ÷ 4.800	5.000 ÷ 5.800
Turning height	mm	1.200 ÷ 1.800	1.200 ÷ 2.000	1.200 ÷ 2.400	1.200 ÷ 2.800	1.200 ÷ 3.000	1.200 ÷ 3.200	1.200 ÷ 3.500	1.400 ÷ 4.000	1.400 ÷ 4.500	1.400 ÷ 5.000
Max. piece weight	Ton	8 (12)	10 (15)	15 (20)	25 (30)	30 (40)	40 (55)	50 (65)	70 (90)	90 (110)	120 (150)
<b>CHUCK DRIVE</b>											
Turning power	kW	34 ÷ 60		44 ÷ 104			102 ÷ 186		142 ÷ 290		
Chuck speed	rpm	460 (510)	340 (380)	290 (305)	220 (240)	190	175	155	140	100	90
C axis positioning speed	rpm	20	16	14	12	10	10	10	9	9	8
C axis min. positioning angle		bidirectional 0.0001°									
Chuck drive guiding		Hydrostatic									
<b>W DRIVE (CROSS BEAM)</b>											
W axis speed	mm/min	3.500		3.000			2.000		1.500		
W axis drive		Gantry Type (Servo Drive)									
W axis positioning		every 0,001 mm									
<b>X DRIVE</b>											
X axis speed	mm/min	30.000				30.000 (25.000)			25.000 (20.000)		
X axis drive guiding		Hydrostatic									
<b>Z DRIVE</b>											
Z axis speed	mm/min	40.000				40.000 (25.000)			25.000 (20.000)		
Z axis drive guiding		Hydrostatic									
RAM section	mm	270 x 270				270 x 270 (340 x 340)			340 x 340 (400 x 400)		
RAM stroke	mm	1.250 / 1.500				1.250 / 1.500 (2.000 / 2.500)			2.000 / 2.500 (3.000)		
<b>MILLING DRIVE</b>											
Milling power	kW	22 / 37				37 / 51			37 / 51 / 60		
Milling speed	rpm	4.000				3.000 (4.000)			3.000 (4.000)		
<b>Y DRIVE (optional)</b>											
Y axis speed	mm/min	15.000		12.000			10.000		8.000		
Y axis stroke	mm	according to customer's requirements									
<b>RTHC ( ROBOTIC TOOLS AND HEADS CHANGER) Patented Solution</b>											
Capacity	Number of tools	24 / 48 / 72 / 96 / 120 / 210 / (acc. customer)									
Max. Tool Ø / Length / Weight		250 / 500 / 35 / (acc. customer)									
Capacity	Number of accessories	2 ÷ 9 (acc. customer)									
<b>AUTOMATIC PALLETS CHANGER</b>											
Number of pallets		2 / (acc. customer)							n.a.		
Changing system		180 ° / Shuttle			Shuttle					n.a.	
<b>SEMI AUTOMATIC PALLETS CHANGER</b>											
Number of pallets		2 / (acc. customer)							n.a.		
Pallets loading		Manual by crane							n.a.		
Pallet clamping and centering system		Hydraulic through pins, centering repeatability 0.01 mm							n.a.		
<b>NUMERIC CONTROL</b>											
Model		Siemens 840 D.SL									