

Technical data



Machine			Mikron HEM 500U RTT 3+2	Mikron HEM 500U RTT Simultan	Mikron HEM 700U RTT 3+2	Mikron HEM 700U RTT Simultan		
Axis travel								
Lengthwise	X	mm	500	500	700	700		
Crosswise	Y	mm	450	450	600	600		
Vertical	Z	mm	400	400	500	500		
Swivel axis		°	-65 / +110	-65 / +110	-65 / +110	-65 / +110		
Rotation axis		°	n x 360	n x 360	n x 360	n x 360		
Axes			3+2	Five-axis simultaneous	3+2	Five-axis simultaneous		
Spindle								
Spindle type			In-line	Motor	In-line	Motor	In-line	Motor
Max. rotations		min ⁻¹	12'000	20'000	12'000	20'000	12'000	20'000
Max. torque		kW/Nm	20/88	36/120	20/88	36/120	20/88	36/120
Tool interface			ISO 40 BT 40 CAT 40	HSK-A63	ISO 40 BT 40 CAT 40	HSK-A63	ISO 40 BT 40 CAT 40	HSK-A63
Travel speed								
Rapid traverse	X, Y, Z	m/min	30 / 30 / 30	30 / 30 / 30	30 / 30 / 30	30 / 30 / 30		
Rapid traverse	B, C	min ⁻¹	17 / 28	32 / 112	17 / 28	32 / 112		
Automation								
Tool magazine	unit		DT 30 / CT 60	DT 30 / CT 60	DT 30 / CT 60	DT 30 / CT 60		
Pallet magazine	unit		5 Delphin 400/400 or 5 MTS 400/400 or 7 Dynafix 350/350 or 7 UPC 320/320	5 Delphin 400/400 or 5 MTS 400/400 or 7 Dynafix 350/350 or 7 UPC 320/320	5 Delphin 400/400 or 5 MTS 400/400 or 7 Dynafix 350/350 or 7 UPC 320/320	5 Delphin 400/400 or 5 MTS 400/400 or 7 Dynafix 350/350 or 7 UPC 320/320		
Pallet changing time	sec.		30	30	30	30		
Robot interface			Available	Available	Available	Available		
Rotary swivel table								
T-groove table	mm		500	500	630	630		
Workpiece weight (3/5)	kg		300 / 200	300 / 200	350 / 300	350 / 300		
Control								
Heidenhain	12 / 20 k		iTNC 530 HSCI FS	iTNC 530 HSCI FS	iTNC 530 HSCI FS	iTNC 530 HSCI FS		
Fanuc	12 k		0i-MD	-	0i-MD	-		