

Technical Specifications



			Mikron VCE 600 Pro	Mikron VCE 800 Pro	Mikron VCE 800W Pro
Travel ranges					
Longitudinal	X	mm	600	800	860
Transverse	Y	mm	500	500	560
Vertical	Z	mm	540	540	600
Max. distance between spindle tip and worktable		mm	690	690	735
Tool spindle					
Drive type			Drive belt	Drive belt	Drive belt
Maximum speed up to		rpm	10'000	10'000	10'000
Tool 40% duty cycle/S6		kW @ rpm	18,5 @ 1188	18,5 @ 1188	18,5 @ 1188
Spindle torque 40% duty cycle/S6		Nm	149	149	149
Tool mount			ISO-B40	ISO-B40	ISO-B40
Optional working spindle		rpm	14'000 ISO-B40 16'000 ISO-B40/HSK-A63	14'000 ISO-B40 16'000 ISO-B40/HSK-A63	14'000 ISO-B40 16'000 ISO-B40/HSK-A63
Travel speed					
Rapid traverse	X, Y	m/min.	40	40	40
Rapid traverse	Z	m/min	40	40	40
Tool magazine					
Magazine spaces		quantity	24/40 ISO-B40 40 HSK-A63	24/40 ISO-B40 40 HSK-A63	24/40/60 ISO-B40 40 HSK-A63
Tool magazine			Side-mounted	Side-mounted	Side-mounted
Max. tool length		mm	305	305	305
Max. tool diameter		mm	77/115	77/115	77/115
Worktable					
Table area		mm	700 x 500	910 x 500	1000 x 560
Maximum table load		kg	800	1100	1350
Number of T-grooves			5	5	5
T-groove spacing		mm	100	100	100
T-groove dimensions		mm	18 ^{+0.006/ +0.024}	18 ^{+0.006/ +0.024}	18 ^{+0.006/ +0.024}
Cooling					
Coolant tank capacity		l	300	300	300
Controller					
		Type	Heidenhain TNC 620	Heidenhain TNC 620	Heidenhain TNC 620
Machine weight					
		kg	4'800	5'000	6'500



Mikron VCE 1200 Pro



Mikron VCE 1400 Pro



Mikron VCE 1600 Pro

Mikron VCE 1000 Pro	Mikron VCE 1200 Pro	Mikron VCE 1400 Pro	Mikron VCE 1600 Pro
1020	1200	1400	1600
560	600	650	900
600	675	675	800
735	775	775	900
Drive belt 10'000	Drive belt 10'000	Drive belt 10'000	Drive belt 10'000
18,5 @ 1188	18 @ 823	18 @ 823	18 @ 823
149	209	209	209
ISO-B40	ISO-B40	ISO-B40	ISO-B40 / ISO-B50
14'000 ISO-B40	14'000 ISO-B40	14'000 ISO-B40	14'000 ISO-B40
16'000 ISO-B40/HSK-A63	-	-	(6'000, ISO 50, 350 Nm)
40	32	32	24
40	24	24	20
24/40/60 ISO-B40 40 HSK-A63	24/40/60 ISO-B40 -	24/40/60 ISO-B40 -	30/40/60 ISO-B40 24/40 ISO-B50
Side-mounted	Side-mounted	Side-mounted	Side-mounted
305	305	305	305 (350, ISO-B50)
77/115	77/115	77/115	85/150 (125/240, ISO-B50)
1000 x 560	1220 x 620	1400 x 620	1700 x 850
1350	1700	1700	2000
5	5	5	7
100	100	100	100
18 ^{+0.006/ +0.024}	18 ^{+0.006/ +0.024}	18 ^{+0.006/ +0.024}	18 ^{+0.006/ +0.024}
300	380	380	540
Heidenhain TNC 620	Heidenhain TNC 620	Heidenhain TNC 620	Heidenhain TNC 620
6'500	8'000	8'700	18'600