

Mikron

# VCE Pro



## Technical data



Mikron VCE 600 Pro



Mikron VCE 800 Pro



Mikron VCE 800W Pro



Mikron VCE 1000 Pro

			Mikron VCE 600 Pro	Mikron VCE 800 Pro	Mikron VCE 800W Pro	
<b>Travel ranges</b>						
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	
<b>Tool spindle</b>						
Drive type			Drive belt	Drive belt	Drive belt	
Maximum speed up to			10'000	10'000	10'000	
Tool 40% duty cycle/S6			18,5 @ 1188	18,5 @ 1188	18,5 @ 1188	
Spindle torque 40% duty cycle/S6			149	149	149	
Tool mount			ISO-B40	ISO-B40	ISO-B40	
Optional working spindle			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	
<b>Travel speed</b>						
Rapid traverse	X, Y	m/min.	40	40	40	
Rapid traverse	Z	m/min	40	40	40	
<b>Tool magazine</b>						
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	
<b>Worktable</b>						
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 <sup>+0.006/ +0.024</sup>	18 <sup>+0.006/ +0.024</sup>	18 <sup>+0.006/ +0.024</sup>	
<b>Cooling</b>						
Coolant tank capacity		l	300	300	300	
<b>Controller</b>						
Type			Heidenhain TNC 620	Heidenhain TNC 620	Heidenhain TNC 620	
<b>Machine weight</b>						
			kg	4'800	5'000	6'500



Mikron VCE 1200 Pro



Mikron VCE 1400 Pro



Mikron VCE 1600 Pro



Mikron VCE 2000 Pro

Mikron VCE 1000 Pro	Mikron VCE 1200 Pro	Mikron VCE 1400 Pro	Mikron VCE 1600 Pro	Mikron VCE 2000 Pro
1020	1200	1400	1600	2000
560	600	650	900	900
600	675	675	800	800
735	775	775	900	900
Drive belt	Drive belt	Drive belt	Drive belt	Drive belt
10'000	10'000	10'000	10'000	10'000
18,5 @ 1188	18 @ 823	18 @ 823	18 @ 823	18 @ 823
149	209	209	209	209
ISO-B40	ISO-B40	ISO-B40	ISO-B40 / ISO-B50	ISO-B40 / ISO-B50
14'000 ISO-B40	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)	(6'000, ISO 50, 350 Nm)
40	32	32	24	20
40	24	24	20	15
24/40/60 ISO-B40	24/40/60 ISO-B40	24/40/60 ISO-B40	30/40/60 ISO-B40	30/40 ISO-B40
40 HSK-A63	-	-	24/40 ISO-B50	24/40 ISO-B50
Side-mounted	Side-mounted	Side-mounted	Side-mounted	Side-mounted
305	305	305	305 (350, ISO-B50)	305 (350, ISO-B50)
77/115	77/115	77/115	85/150 (125/240, ISO-B50)	85/150 (125/240, ISO-B50)
1000 x 560	1220 x 620	1400 x 620	1700 x 850	2100 x 850
1350	1700	1700	2000	3000
5	5	5	7	7
100	100	100	100	100
18 <sup>+0.006/ +0.024</sup>	18 <sup>+0.006/ +0.024</sup>	18 <sup>+0.006/ +0.024</sup>	18 <sup>+0.006/ +0.024</sup>	18 <sup>+0.006/ +0.024</sup>
300	380	380	540	540
Heidenhain TNC 620	Heidenhain TNC 620	Heidenhain TNC 620	Heidenhain TNC 620	Heidenhain TNC 620
6'500	8'000	8'700	18'600	18'600