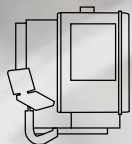




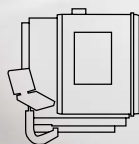
High-efficiency Milling

Customers experience fastest return on their capital investment in parallel with achieving increased capabilities and efficiency, thanks to our high-efficiency Milling solutions.

Five-axis

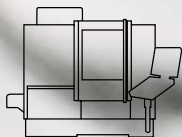


MILL E 500 U

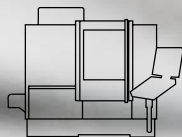


MILL E 700 U

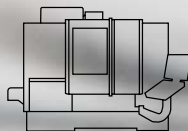
Three-axis



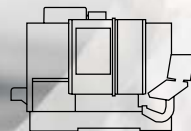
HEM 600



HEM 800

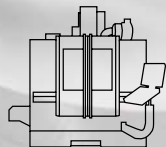


HEM 1000

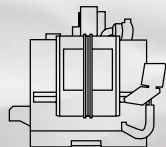


HEM 1200

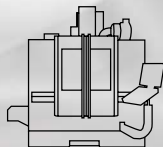
Three-axis



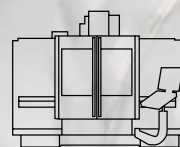
VCE 600 Pro



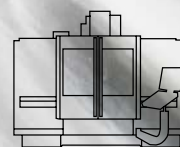
VCE 800 Pro
VCE 800W Pro



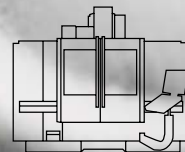
VCE 1000 Pro



VCE 1200 Pro



VCE 1400 Pro



VCE 1600 Pro

600

800

1000

1200

1400

1600

X travel (mm)

Mikron

MILL E 500 U

MILL E 700 U

Five-axis simultaneous machining

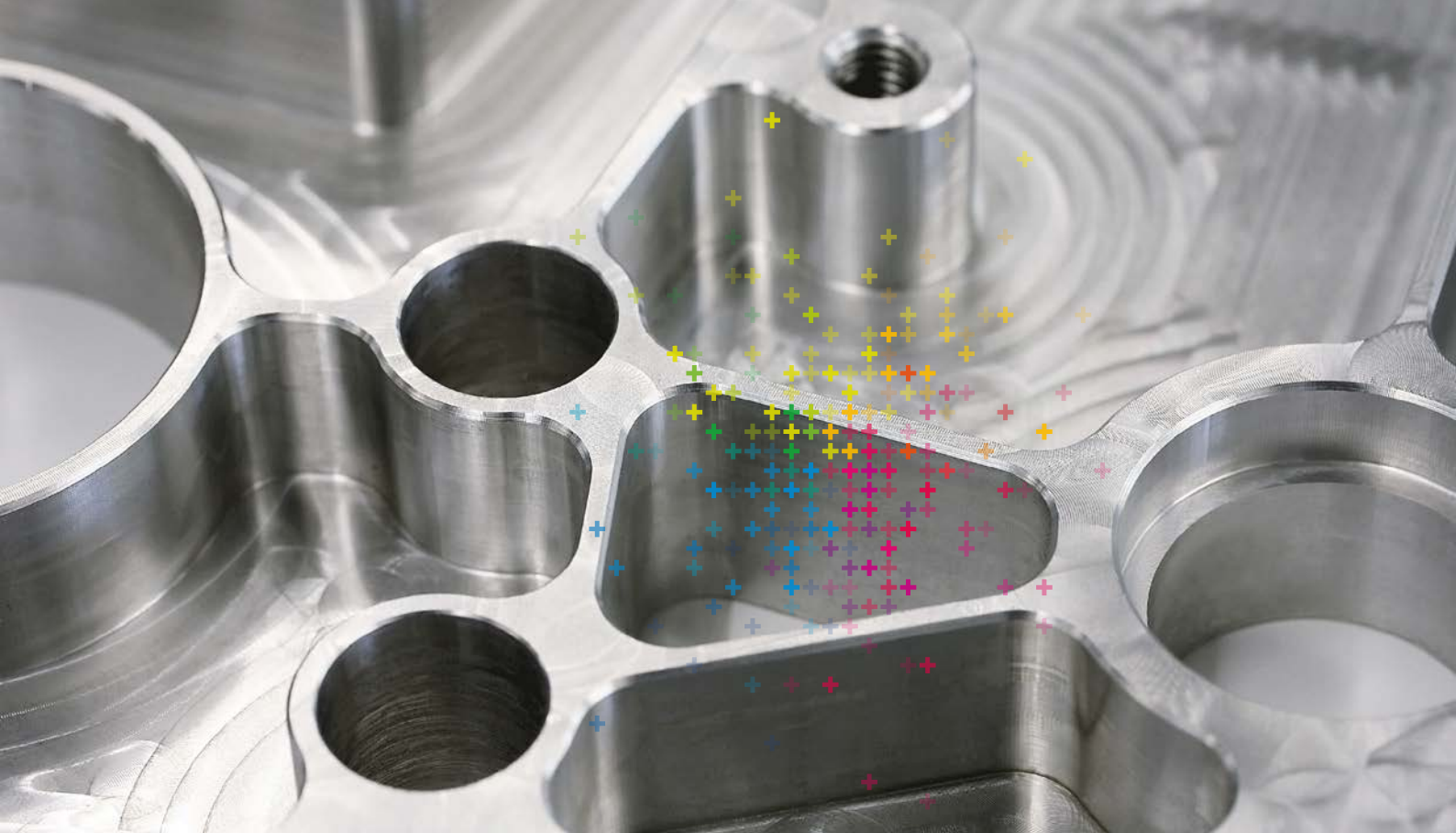


- + Easiest step up into five-axis applications with fast return on investment (ROI)
- + Highly configurable to fit the application
- + Standard solution with above-average benefits (reliability and productivity)



Main specifications		MILL E 500 U (RTT 5-Ax / RTT 5-Ax Simultan)	MILL E 700 U (RTT 5-Ax / RTT 5-Ax Simultan)
Travel X, Y, Z *	mm (in)	500 x 450 x 400 (19.68 x 17.71 x 15.75)	700 x 600 x 500 (27.55 x 23.62 x 19.68)
Swiveling axis / tilting axis	°	-65/+120 / n x 360	-65/+120 / n x 360
Working Spindle (40% ED, S6)	rpm / kW / Nm	20 000 (HSK-A63) / 36 / 120 **	20 000 (HSK-A63) / 36 / 120 **
Feed rate / rapid traverse X, Y, Z	m / min (ipm)	30 (1181)	30 (1181)
Feed rate / rapid traverse (swiveling, rotating)	rpm	32 / 112 (Linear) 17 / 28 (Gearbox)	32 / 112 (Linear) 17 / 28 (Gearbox)
Clamping surface / max. load	mm / kg (lbs)	Ø 500 / 3+2, 5-Axis 200 (441), XYZ 300 (661)	Ø 630 / 3+2, 5-Axis 300 (661), XYZ 400 (882)
Tool magazines (piece)		30 / 60 (ISO-BT-CAT 40) 60 (HSK-A63)	30 / 60 (ISO-BT-CAT 40) 60 (HSK-A63)
Automation: pallet size / number	mm / piece	UPC (320 x 320), Dynafix (350 x 350) / 7 MTS, Delphin (400 x 400) / 5	UPC (320 x 320), Dynafix (350 x 350) / 7 MTS, Delphin (400 x 400) / 5
Max. load	kg (lbs)	200 (441)	200 (441)
Control unit	Heidenhain/FANUC	iTNC 530 HSCI FS / Oi-MD	iTNC 530 HSCI FS / Oi-MD
Optional Spindles	12 000 (ISO / BT-40) / 20 / 97 (Heidenhain 40% ED, S6) 12 000 (ISO / BT-40) / 15 / 95 (FANUC 60%, S3)		

* Longitudinal x lateral x vertical ** Heidenhain



Mikron

VCE 600/800(W)/1000/1200/1400/1600 Pro

Reliable solution for simple to complex single molds and parts or series

Main specifications		VCE 600 Pro	VCE 800 Pro	VCE 800W Pro
Travel X, Y, Z *	mm (in)	600 x 500 x 540 (23.62 x 19.68 x 21.26)	800 x 500 x 540 (31.5 x 19.68 x 21.26)	860 x 560 x 600 (33.86 x 22.05 x 23.62)
Working Spindle (40 % ED, S6)	rpm / kW / Nm	10 000 (ISO / BT-40) / 18.5 / 149	10 000 (ISO / BT40) / 18.5 / 149	10000 (ISO / BT40) / 18.5 / 149
Rapid traverse X, Y	m /min (ipm)	40 (1575)	40 (1575)	40 (1575)
Rapid traverse Z	m /min (ipm)	40 (1575)	40 (1575)	40 (1575)
Clamping surface	mm	700 x 500	910 x 500	1000 x 560
Max. load	kg (lbs)	800 (1764)	1100 (2425)	1350 (2976)
Tool magazine	piece	24 / 40 (ISO/BT-40)	24 / 40 (ISO/BT-40)	24 / 40 / 60 (ISO/BT-40)
Control unit	Heidenhain	iTNC 620	iTNC 620	iTNC 620
Optional Spindles	14 000 (ISO / BT-40) / 18.5 / 106 6000 (ISO-50) / 18 / 350 ** 16 000 (ISO / BT-40) / 14.75 / 94 ***			

* Longitudinal x lateral x vertical ** VCE 1600 Pro *** VCE 600 / 800 / 800W / 1000 Pro



- + Highly reliable and versatile solution
- + Quick to set up and easy to control
- + Wide range of configurations and retrofittable options to accommodate varied requirements



VCE 1000 Pro	VCE 1200 Pro	VCE 1400 Pro	VCE 1600 Pro
1020 x 560 x 600 (40.16 x 22.05 x 23.62)	1200 x 600 x 675 (47.24 x 23.62 x 26.57)	1400 x 650 x 675 (55.12 x 25.6 x 26.57)	1600 x 900 x 800 (63 x 35.43 x 31.5)
10 000 (ISO / BT40) / 18.5 / 149	10 000 (ISO / BT40) / 18.5 / 209	10 000 (ISO / BT40) / 18.5 / 209	10 000 (ISO / BT40) / 18.5 / 209
40 (1575)	32 (1260)	32 (1260)	24 (945)
40 (1575)	24 (945)	24 (945)	24 (945)
1000 x 560 1350 (2976)	1220 x 620 1700 (3748)	1400 x 620 1700 (3748)	1700 x 850 2000 (4409)
24 / 40 / 60 (ISO/BT-40)	24 / 40 / 60 (ISO/BT-40)	24 / 40 / 60 (ISO/BT-40)	30 / 40 / 60 (ISO / BT-40) 24 / 40 (ISO-50)
iTNC 620	iTNC 620	iTNC 620	iTNC 620

ÚJ VCE 2000 Pro már elérhető!!