

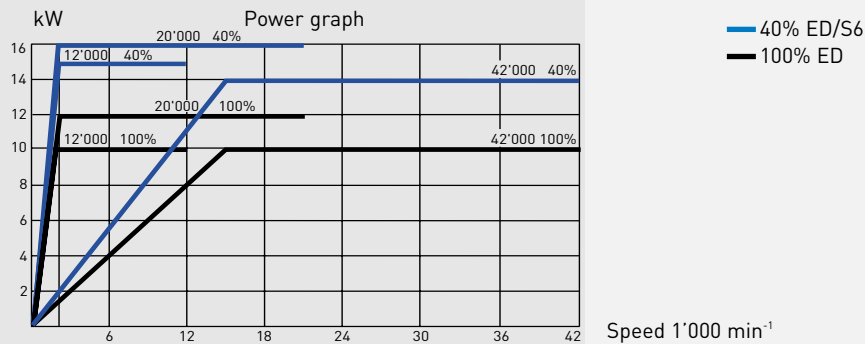
VCP 600/800
UCP 600

VCP 600/800, UCP 600

		VCP 600	VCP 800	UCP 600
Work area				
Longitudinal	X mm	600	800	530
Lateral	Y mm	450	450	450
Vertical	Z mm	450	450	450

High-performance spindles				
Spindle performance at 40% ED / S6	kW	15 / 16	15 / 16	15 / 16
Maximum rpm	min ⁻¹	12'000 / 20'000	12'000 / 20'000	12'000 / 20'000
Spindle water-cooling		•	•	•

HSC spindle				
Spindle performance at 44% ED / S6	kW	14	14	14
Maximum rpm	min ⁻¹	42'000	42'000	42'000
Spindle water-cooling		•	•	•



Feed drives				
Recommended max. working feed	m / min	15	15	15
Rapid traverse	m / min	22	22	22
Feed force X and Y/Z		5'000N	5'000N	5'000N

Tool changer				
Magazine tool capacity for 12 / 20'000	No.	30 (opt. 58)	30 (opt. 58)	30 (opt. 58)
Magazine tool capacity for 42'000	No.	36	36	36
Max. tool diameter for 12 / 20'000	mm	90	90	90
Max. tool diameter for 42'000	mm	16	16	16
Max. tool length for 12/20'000	mm	250 (350 manual)	250 (350 manual)	250 (350 manual)
Max. tool length for für 42'000	mm	100	100	100
Max. tool weight for 12 / 20'000	kg	6	6	6
Max. tool weight for 42'000	kg	1,5	1,5	1,5
Tool change time	sec	8	8	8
Chip-to-chip times to VDI	sec	10	10	10

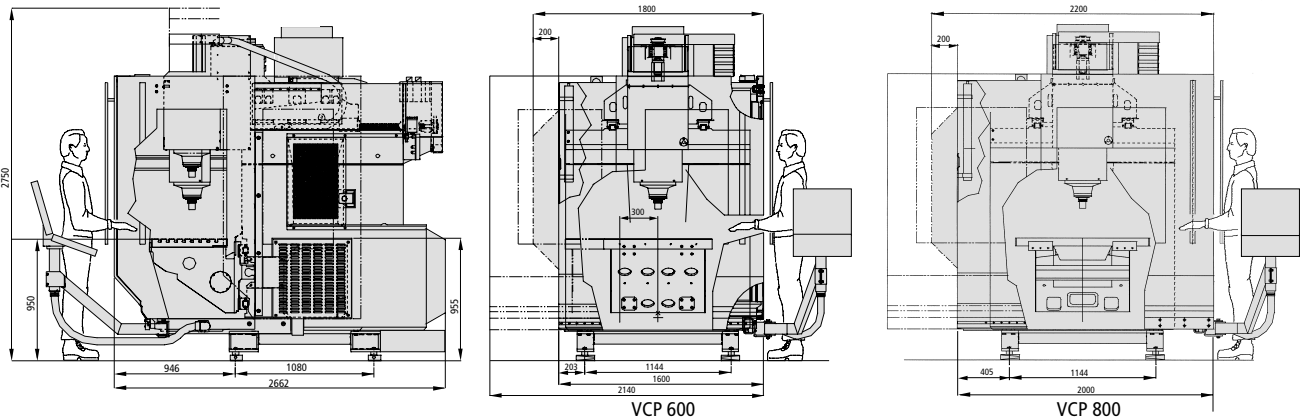
Quality data				
Positional tolerance DIN / ISO 230-2/97	µm	8	8	8

Control unit				
with digital drives	iTNC 530	•	•	•
No. of axes	5 + spindle	•	•	•
Linear interpolation	5 axes out of 5	•	•	•
Circular interpolation	2 axes out of 5	•	•	•

Safety equipment				
Machine enclosure/complete machine enclosure		•	•	•
Door opening to the front	mm	950	1200	950
Door opening to the side	mm	850	850	850

Coolant				
Coolant tank	l	120	140	120
Coolant flow	30 l / min – 2,5 bar	•	•	•

		VCP 600	VCP 800	UCP 600
Weight				
Approx. machine weight	kg	6'100	6'400	6'400
Transport dimensions	mm	1'600 x 2'500 x 2'650	2'000 x 2'500 x 2'650	1'600 x 2'500 x 2'650
Accessories				
Scrapper chip conveyor		100 l – 2,5 bar	120 l – 2,5 bar	100 l – 2,5 bar
Coolant with chip conveyor and filter (for through tool coolant supply)	580 l – 18, 40 or 70 bar	•	•	•
Coolant washdown gun		•	•	•
Oil mist extraction		•	•	•
OMP 40 setup probe		•	•	•
Tool measurement (sensor or laser)		•	•	•
Oil mist coolant spray unit		•	•	•
Dividing head		•	•	•
Graphite dust extraction		•	•	•
Small pallet changer for 24 small pieces/electrodes		•	•	•
Connection data				
Rated power (average value)	kW	15	15	15
Total power requirements (maximum value)	kVA	44	44	44
Fuse protection	A	30	30	30
Line voltage/Frequency				
	3 x 400 V-50 / 60 Hz	•	•	•
Connection cross section	mm ²	6	6	6
Control voltage	VDC	24	24	24
Pneumatic connection	200 l / min – 6 bar	•	•	•
Connection diameter	mm	12	12	12
Work tables				
Table surface area	mm	Work table 850 x 530	Work table 1050 x 590	Rotary tilting table Ø 280, Ø 400
Table load	kg	400	400	200
Clamping		14 – H12 (H7)	14 – H12 (H7)	various clamping systems
Space between slots	mm	63	63	
Tilt range	°			+122 / -100
Tilt speed (30% ED)	min ⁻¹			20
Rotary speed	min ⁻¹			30



CE Our designs are continuously updated to meet changing requirements. Changes can be made at any time. Details contained in this brochure are not binding