

3.3 Technical Features

		Helitronic Mini Power	Helitronic Power
Axes			
X axis	Longitudinal traverse	321 mm	460 mm
	max. speed	15 m/min	15 m/min
Y axis	Vertical motion	200 mm	320 mm
	max. speed	15 m/min	15 m/min
Z axis	Cross traverse	470 mm	660 mm
	max. speed	15 m/min	15 m/min
C axis	Rotation swivelling range	+/- 200 °	+/- 200 °
	max. speed	120 °/s	120 °/s
A axis	length workpiece holder	150 mm	175 mm
		ISO 50	ISO 50
	Rotation axis	∞	∞
	Number of revolutions	60 min ⁻¹	60 min ⁻¹
	Height of centres with/without upper worktable	130/160 mm	145/190 mm
	Max. workpiece ∅	100 mm	320 mm
	Max. workpiece length		
	Contour grinding	270 mm	350 mm
	max. workpiece length		
	Face grinding	200 mm	300 mm

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Accuracy		
Linear resolution	0.0001 mm	0.0001 mm
Radial resolution	0.0001 °	0.0001 °
Grinding spindle with 2 ends		
Spindle diameter	70 mm	80 mm
Max. diameter of wheel	150 mm	200 mm
per spindle end	3 coolant valves	3 coolant valves
Peak power	9 kW	11,5 kW
Torque	8 Nm / 6.000 min ⁻¹	11 Nm / 6.000 min ⁻¹
Revolutions of the grinding spindle	0-9.500 min ⁻¹	0-9.500 min ⁻¹
		with Production package
		24 kW
		21 Nm / 4.000 min ⁻¹
		0-7.000 min ⁻¹
Weight		
Grinding machine including coolant system	approx.3600 kg	approx.4650 kg
Power Requirements		
for 400 V / 50 Hz	appr.25 kVA	appr. 25 kVA
		with Production package
		appr. 35 kVA
Built-in coolant system		
Tank capacity	appr.. 350 l	appr. 400 l
Pump capacity	120 l/min, for 6 bar	120 l/min, 6 bar
		with Production package
		80/120 l/min for 7/20 bar
Sound pressure level defined in line with the enveloping surface method according to DIN EN ISO 3744	70 dB (A)	70 dB (A)
Emission sound level at the workplace according to DIN EN ISO 11204		
Operating condition: Automatic mode of operation with running grinding spindle as well as coolant mist and vapour extractor system and coolant device. Grinding wheel not involved in the grinding process.		