



**digi MILL<sup>5</sup> Dry**

Milling machine



# digi MILL<sup>5</sup> Dry - Milling machine



Machinable materials	Plastics, wax, zirconium oxide, nano-composites, CoCr, model plaster
Dimensions (W/D/H)	approx. 450 x 530 x 630 mm
Weight	approx. 91 kg
Rotary axes	5 axes
	Harmonic Drive® free from backlash
	Rotary axes with highest true running accuracy
	A axis: rotation range of 360°
	B axis: pivoting via ball screw spindle, rotation range of up to ± 35°
Axis measurement	Automatic axis measurement and automatic axis compensation for exact results
Repetition accuracy linear axes	± 0,003 mm
Fixing device	Round universal blanks with a thickness of 10 to 40 mm
	(machinable: wax max. 25/40 mm, metal max. 15 mm, zirconium oxide max. 25 mm)
	Diameter: 98.5 mm with step
Wet milling option	No
Exchange of workpieces	manual exchange
Collet chuck	Pneumatically for tools with 3 mm shank diameter and max. 40 mm total length
Tool change	Automatic tool change station for 16 tools
	Haptic tool length detection and tool breakage monitoring
	Diamond-coated tools can be used
	Monitoring of compressed air supply
Spindle	Synchronous spindle SFK 300P
	Nominal power under constant load (S1): 300 Watt
	Maximum power output (Pmax): 500 W
	4-fold hybrid ceramic ball bearings
	Hybrid ceramic ball bearings
	Rotational speed range up to 60.000 RPM
	Radial deviation at internal cone of the precision shaft < 3 µm
Sealing air prevents entering of foreign substances in the bearing area	
Air extraction	Opening at the housing side for air extraction
	Underpressure sensor for monitoring the air extraction
	24 Volt switching output
Peripheral equipment	Switching unit PSW 01-RSV for the automatical switching of the air extraction unit
	YETI digi MILL Tool Board without milling tools
Purchase order number	Art.-Nr. 481-5100

*Subject to technical alterations, errors and misprints excepted.*

**Please contact us - we will help You gladly!**