

The mini-must-have for professional tool presetting and measuring



Original **ZOLLER**

Absolute precision, simple operation, fast results. That is what ZOLLER presetting and measuring machines have been delivering all along — and now it's available "to go" with the ZOLLER »smileCompact«. Ideal for all standard tools and designed for the tool requirements of medium-sized and small batch sizes. Robust, space-saving, and flexibly — and can be placed directly beside the CNC machine, on the shop floor, or in production islands. Including the best brand-name components and the new ZOLLER »pilotStarter« image processing technology for comfortable, operator-independent application. In a nutshell — the new »smileCompact« is the perfect entry point into the world of ZOLLER.



smileCompact

ZOLLER

The Potential for **Precision**

smile Compact

For precise measuring results, every detail is important, including how these details are combined.

Only when everything fits together perfectly does a presetting and measuring machine become a ZOLLER. Like the new, extremely compact »smileCompact«.

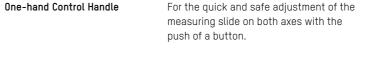


Image Processing | Optics

Operating Interface

Table Electronics

Reliable precision guaranteed — with telecentric lens and CCD camera including integrated 360° LED incident light for cutting edge inspection.

SK50 High-precision Spindle Impresses with integrated calibration spheres and a concentricity of 0.002 mm. Separate zero gauges are not required.

ZOLLER measuring machine control unit (Panel PC) with 13" touch display.

Table electronics with variable monitor position and space for a label printer and key shelf.

Membrane Keypad

Label Printer

The membrane keypad control, all power-activated functions of the spindle and spindle brake, $4 \times 90^{\circ}$ lock and optionally available vacuum clamping.

The label printer supplies required tool parameters such as ID and adapter numbers, Z, X, radius dimensions and angles as clear text or code.















Immediately Ready For Operation

Simple, fast, and operator-independent: »pilotStarter« provides all standard measurements such as the length and cross dimension, radius, angle, concentricity, and axial runout at the push of a button — without any special training, and with precise results from day one.

Highlights of the ZOLLER image processing »pilotStarter«

The »elephant« measuring program assistant for the easy measurement of a wide range of parameters for various tool types — without any special training or prior knowledge.

Software function for determining and measuring the maximum contour of all the cutting edges of a tool.

Projector function and cutting edge inspection for the qualitative assessment of the cutting tool edge.







ZOLLER SolutionsThe Solution for Your Success

Higher speed, greater flexibility, safer processes — with ZOLLER system solutions you'll get more out of all aspects of your production. To assure this, we combine hardware, software, and services with our unique manufacturing expertise for you. Everything from a single supplier. Everything for your success. Everything with ZOLLER solutions.

We look forward to hearing from you:

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For more information about our comprehensive range of services, please visit WWW.ZOller.info

»smileCompact«	»smile 320«	»smile 420«	»smile 620«	»venturion 450«	Technical Data	
•	•	•	•	•	Manual	Axes
-	-	•	•	•	Micro Adjustment I Hand Wheel	
-	•	•	•	•	CNC Drives	
- '	-	-	-	•	Separate Clamping Z-, X-Axis	Electronics.
• -	-	- 0	- 0	- 6	pilotstarter With 13 screen	Electronics
- -	• ⊙	• •	• •	• •	pilot 1.0 with 24" screen 11	
-	•	•	•	•	pilot 2 mT with 17" screen	
-	•	•	•	•	pilot 3.0 with 24" screen	
-	•	•	•	•		Holding Arm for Electronics
-	•	•	•	•		Variable cockpit Control Unit
-	•	•	•	•		180° Tool Spindle Accessibility
•	•	•	•	•	Standard	Transmitted Light Camera System
-	-	-	-	•	Premium	
-	-	-	-	•	HR50 1:1	Higher Enlargement/Resolution
-	-	-	-	•	HR70 1:1	
•	•	•	•	•	SK50	Tool Holders and Spindle Options
•	•	•	•	•	SK50-VAK	
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-	-	-	-	•	Spindle Hand Wheel	
				•	ממום אוופפני	
- -	- -	- -	- -		ace Size 1	Reinforced Brake
. -	- -		- -	• •	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Automatic Adapter Tool Post Change Detection
•	•	•	•	•		Automatic Zero-point Monitoring
-	-	-	-	•		Increased Clamping Force
•	•	•	•	•	Manual	from Size HSK63 Onwards Spindles and Further Features
-	0	•	0	•	Autofocus	
-	-	0	•	0	ROD Rotary Encoder	
-	-	-	_	•	Hollow Shaft Encoder	
-	-	•	•	0	aszm-lin (manual, linear)	Length Adjustment
-	-	•	•	•	aszm-rot (manual, rotatory)	
-	-	-	-	•	asza-lin (automatic, linear)	
-	-	-	-	•	asza-rot (automatic, rotatory)	
-	-	-	-	•	asza-MMS (automatic, for MQL screws)	
-	•	•	•	•	Man./MSLZ	Tool identification ²⁾
-	-	•	•	•	Height Adjustment (Manual)	
-	-	-	-	•	ight Adjustment	
-	-	-	-	•	Head Bolts (Automatic)	
-	•	•	•	•	External	Station 21
-	-	•	•	•	DME	Center Height Measuring Device / Camera
•	•	•	•	•		Cutting Edge Inspection
-	-	•	•	•		Tool Inspection
_ (- (-	-	• ·		Electronic Measuring Probe
-	⊙ -	• -	• -	•	Integrated	Machine Table
-	-	-	-	•	iilegiated Iint Brintor	Chaluna
_ (⊙ (O	O	•	List Printer	Sheives
•	9	9	9	•	operating instructions	
•	•	•	•	•	Medium	Membrane Keypad
-	-	-	-	•	Large	-
-	-	•	•	•	60	One-hand Control Handle
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•	•	•	•	•		Maintenance office

Technical Data	Measuring Range, Z Axis	Max. Tool Diameter	Snap Gauge
»smileCompact«	350 mm	320 mm	0 mm
»smile«	350 / 420 / 600 / 800 mm	320 / 420 / 620 mm	0 / 100 mm
»venturion 450«	450 / 620 / 820 mm	420 / 620 mm	100 mm

standard

possiblenot possible

 $^{^{}st}$ Up to max. HSK 63 and only with table

¹⁾ Available for table electronics or retaining tube, DME, no CNC, no tool inspection

²⁾ From pilot 2 mT onwards



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