

A close-up, low-angle shot of a Zoller Compact Class machine, a professional tool presetting and measuring device. The machine is light grey with a prominent yellow curved line running along its side. The background is a soft, out-of-focus grey. A large, semi-transparent grey circle is overlaid on the left side of the image, serving as a backdrop for the text.

smile

compact

Compact – Class

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

ZOLLER
expect great measures®

smileCompact

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 »pilot 1.0« 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

The Potential for Precision

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«.



One-hand Control Handle

For the quick and safe adjustment of the measuring slide on both axes with the push of a button.



Image Processing | Optics

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.



Operating Interface

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



Table Electronics

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



Membrane Keypad

The membrane keypad control, all power-activated functions of the spindle and spindle brake, 4 x 90° lock and optionally available vacuum clamping.



Label Printer

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



smileCompact

Immediately Ready For Operation

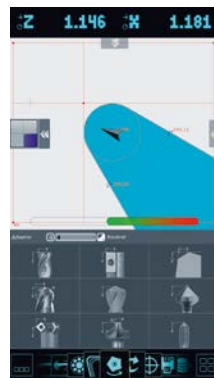
Simple, fast, and operator-independent: »pilot 1.0« provides all standard measurements such as the length and cross dimension, radius, angle, concentricity, and axial runout at the push of a button — without any special training, and with precise results from day one.

Highlights of the ZOLLER image processing »pilot 1.0«

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 Solutions

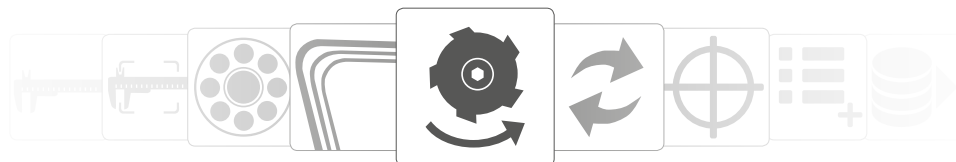
The Solution for Your Success

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.

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For more information about our comprehensive range of services, please visit
www.zoller.info



Technical Data	Axes				Electronics	Holding Arm for Electronics	Variable cockpit Control Unit	180° Tool Spindle Accessibility	Transmitted Light Camera System	Higher Enlargement/Resolution	Tool Holder Spindle	Reinforced Brake	Automatic VSH Change Detection	Automatic Zero-point Monitoring	Increased Clamping Force from Size HSK63 Onwards	Spindle Options	Length Adjustment – Tools	Tool Identification ²⁾	Manual Write/Read Station ²⁾	Center Height Measuring Device / Camera	Cutting Edge Inspection	Tool Inspection	Electronic Measuring Probe	Machine Table	Shelves	Membrane Keypad	One-hand Control Handle	Maintenance Unit
	Manual	Micro Adjustment Hand Wheel	CNC Drives	Separate Clamping Z/X																								
»venturion 450«	●	⊙	●	●	⊙ ¹⁾	⊙	⊙	●	⊙	●	⊙	⊙	⊙	●	●	●	⊙	Man./MSLZ	External	DME	●	⊙	⊙	–	⊙	●	●	●
»smile 620«	●	⊙	⊙	–	⊙	●	⊙	●	●	–	●	–	–	●	–	⊙	⊙	⊙	⊙	⊙	●	⊙	⊙	⊙	●	●	●	●
»smile 420«	●	⊙	⊙	–	⊙	●	⊙	●	●	–	●	–	–	●	–	⊙	⊙	⊙	⊙	⊙	●	⊙	⊙	⊙	●	●	●	●
»smile 320«	●	–	⊙	–	●	⊙	⊙	●	●	–	●	–	–	●	–	⊙	–	⊙	⊙	–	●	–	⊙	⊙	●	–	–	–
»smileCompact«	●	–	–	–	●	–	–	–	●	–	●	–	–	●	–	●	–	–	–	–	●	–	⊙	–	●	–	–	⊙

Technical Data	Measuring Range, Z Axis	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
- ⊙ possible
- not possible

* Up to max. HSK 63 and only with table
¹⁾ Available for table electronics or retaining tube, no DME, no CNC, no tool inspection, no ASZA, no WZL, no R0D
²⁾ From pilot 2 mT onwards

Smile | Compact

Subject to technical modifications. The depicted machines may include options, accessories, and control variants. Delivered products have product safety labels in accordance with ISO 3864-2 or ANSI/NEMA Z535.4, BRSMIC.00-EN 09/2016.

www.zoller.info



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