

420 | 620

smile

The entry level for professional
tool presetting and measuring



ZOLLER
expect great measures®

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Success Is a Question of Attitude

ZOLLER »smile« is a must for machining production companies. At least for those who want to secure their success and expand. The advantage of these professional presetting and measuring machines lies not only in fast and precise measurement but also in the direct transmission of tool data to processing machines. Errors in data input thus belong to the past, as do machine breakdowns and production faults. At the same time, set-up and downtimes are optimized and all aspects of process safety are enhanced. A variety of reasons for greeting the challenges of the future with a »smile«.



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Only the **Best** for You — and for Your Customers

The idea is very simple. High-quality workpieces can only be manufactured using perfect tools and precise machines. For this purpose, tools must be carefully measured and optimally preset. And this can only be achieved when the presetting and measuring machine works precisely to the μm . That's why only the best components are used for the ZOLLER »smile«. Components like THK guides, Heidenhain measuring systems, and Bosch/Festo pneumatics. The superior design is ideal for heavy-duty workshop use. That way, you can always rely on precision. And keep your customers satisfied with high-quality parts.



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Many **Advantages** Can Be Seen — Others Felt

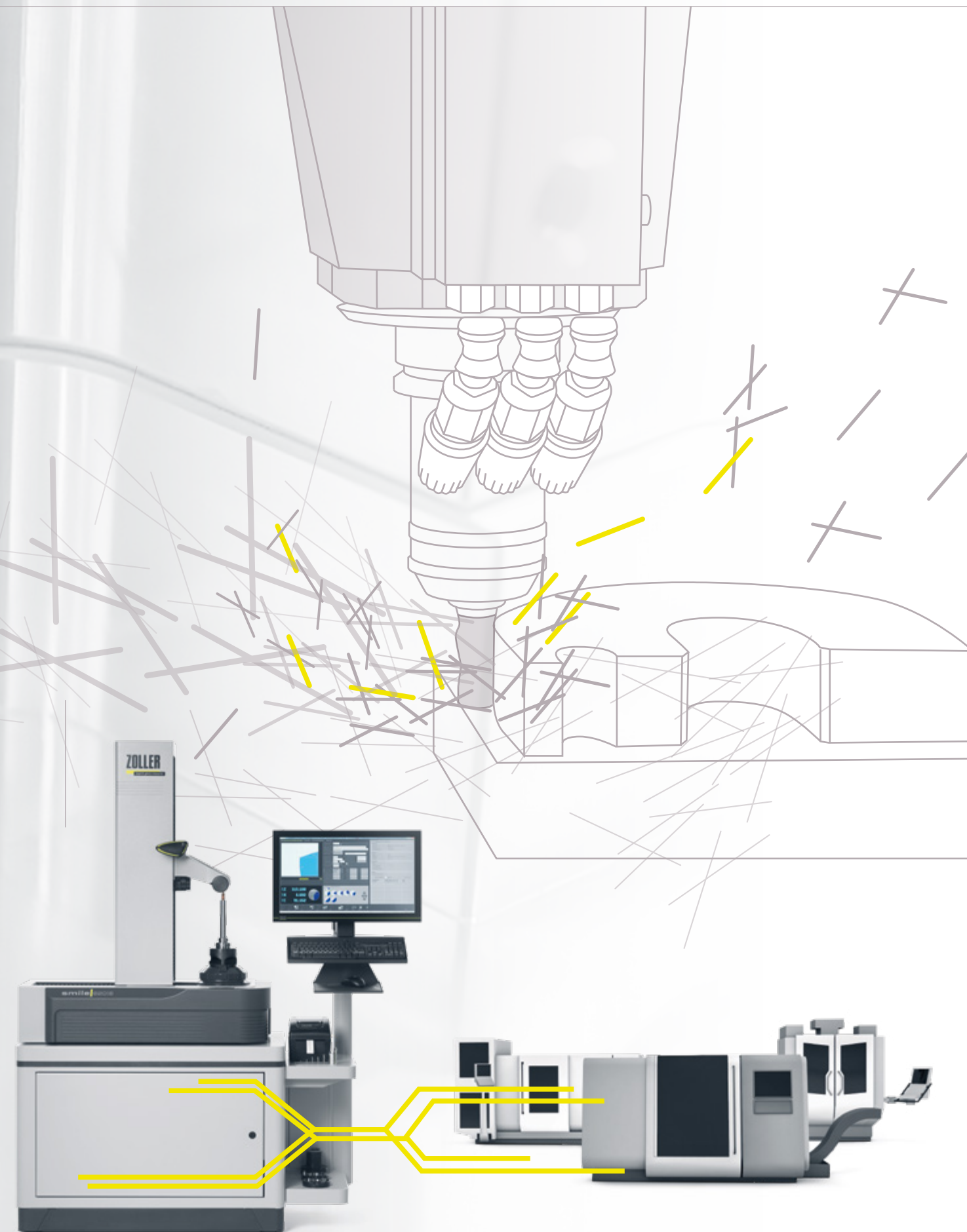
Choosing the ZOLLER »smile« always means deciding in favor of convenience and simplicity of operation. A prime example is the ergonomic one-hand control »eQ«, which brings the optic carrier into position quickly and easily on both axes with the push of a button. Additional working comfort is guaranteed by the variable control unit, the freely accessible tool spindle, the membrane keypad, and the spindle hand wheel.

Providing even more benefits is the intuitive ZOLLER software interface of the »pilot 3.0« operating technology, which ensures precise measuring results without extensive training with graphic user guidance. And success stories from day one.

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For **Continuous Motion** in Your Production

Set the tool, insert in the machine, transmit data to the machine, and the chips are flying:
With ZOLLER »smile«, it is possible to transmit tool data directly to the machine control unit.
This is not only much safer than manual input, but it is also much faster. The outcome of
networking is fewer machine breakdowns and more productivity.



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»smile« Always a Good Solution

Whatever you are planning — with »smile« and »pilot 3.0« from ZOLLER you have all the tools you need. Simply select the required measuring range and begin!



Technical Data »smile 420« / »smile 620«

Drive Options	Manual	●
	CNC Drives	⊙
Measuring Machine Control	24" »pilot 3.0«	⊙
Machine Spindle	SK 50	⊙
	SK 50-VAC	⊙
	Spindle Hand Wheel	●
Automatic Zero-point Monitoring		●
Spindle Functions	Manual Drive	⊙
	Autofocus	⊙
	Spindle Rotary Encoder (ROD)	⊙
Length Adjustment System	»aszm« lin	⊙
	»aszm« rot	⊙
Tool Identification	Man./»mslz«	⊙
	External Manual Write/Read Station	⊙
Center Height Measuring System / Camera	DME	⊙
Cutting Edge Inspection		●
Tool Inspection		⊙
Machine Table		⊙
Boards	For Printer	⊙
	For Adapters	⊙
Membrane Keypad		●
»eQ« Single-hand Operating Device		●
Adjustable Air Valve with Water Drain		⊙

● standard ⊙ option

Measuring Range, Z Axis	420 / 600 / 800 mm
Tool Diameter	420 / 620 mm
Snap Gauge	100 mm

Measurably More Profit

With ZOLLER »smile« and TMS Tool Management Solutions, you reduce tool costs and make full use of your machines because you measure tools especially quickly, easily, and operator-independent. Moreover, you network your presetting and measuring machine with all the stations in the manufacturing process using the z.One central tool database. That means the right tool is at the right place at the right time. And your profits will increase markedly!



ZOLLER Solutions

The Solution for Your Success

More 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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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. BRSMI.05-US 01/2018.

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