

450

# venturion

The premium presetting and measuring  
machine for tools of all kinds



**ZOLLER**  
expect great measures®

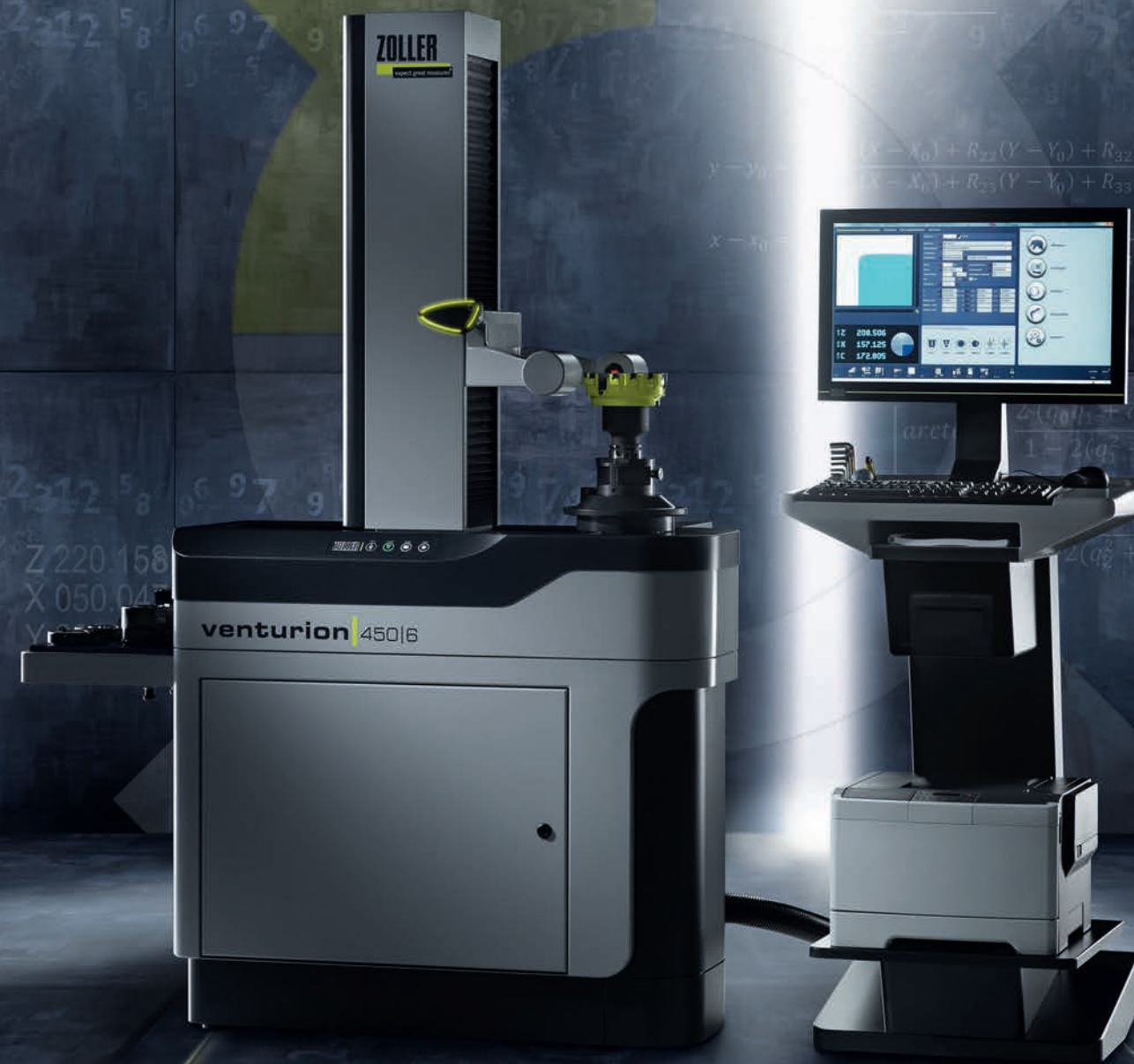
venturion  
450

# Opening Up New Perspectives

Those who respond to progress can succeed. Those who help shape it stay ahead. This idea is constantly driving ZOLLER to new innovations that bring more efficiency to manufacturing and particularly to tool management. The new ZOLLER »venturion« proves once again that this pioneering work pays off.

The perfected design of this premium presetting and measuring machine impresses with maximum ergonomics and strong optics. With a direct connection to external systems and central management of all tool data with TMS Tool Management Solutions, »venturion« has everything you need for the networked manufacturing of the future. And for extreme longevity includes the best brand-name components and careful processing.

In a nutshell: everything you expect from ZOLLER.





venturion  
450

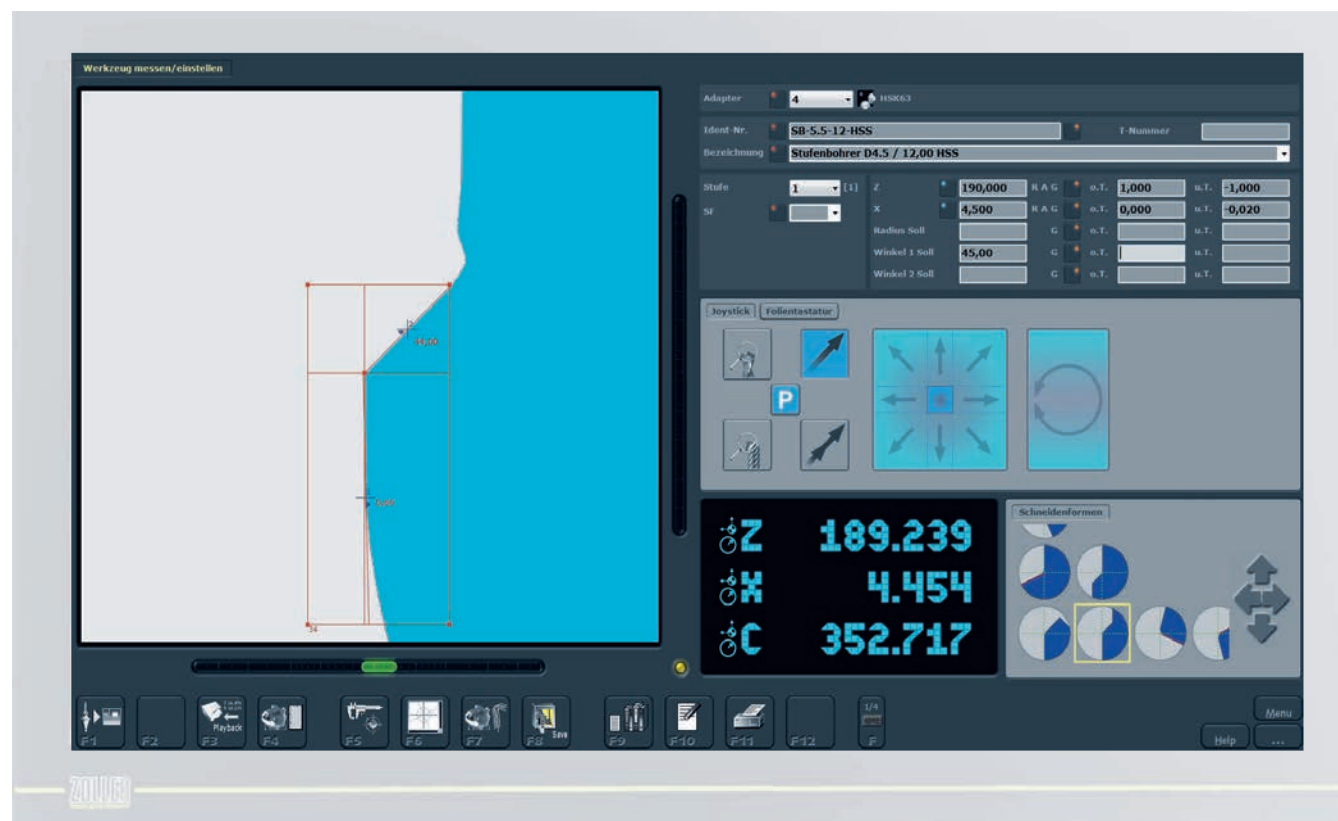
# Ready for 4.0

Measuring tools is just the beginning. Exchanging generated data seamlessly with all production stations and profiting from consistent,  $\mu\text{m}$ -precise values from work preparation to the CNC machine: This is the decisive step in the direction of networked manufacturing — one which you will take in perfect ease with ZOLLER »venturion«.

What makes it so special is that it can transmit data safely to a variety of systems regardless of the machine manufacturer: via label, RFID chip, post-processor, Data Matrix code, or superordinate production control systems. No matter which new system is in demand in the future — ZOLLER will be able to integrate it.



venturion  
450



Dynamic crosshair

Clear entry dialog

Measurements at the push of a button

Automatic  
Cutting edge shape detection

Virtual joystick

## Navigates the Road to Success



So simple that even complex measurements are successful from day one. So comprehensive, that there is a solution for every requirement. It is not without reason that »pilot 3.0« operating technology is considered the unrivaled standard for tool measurement worldwide.

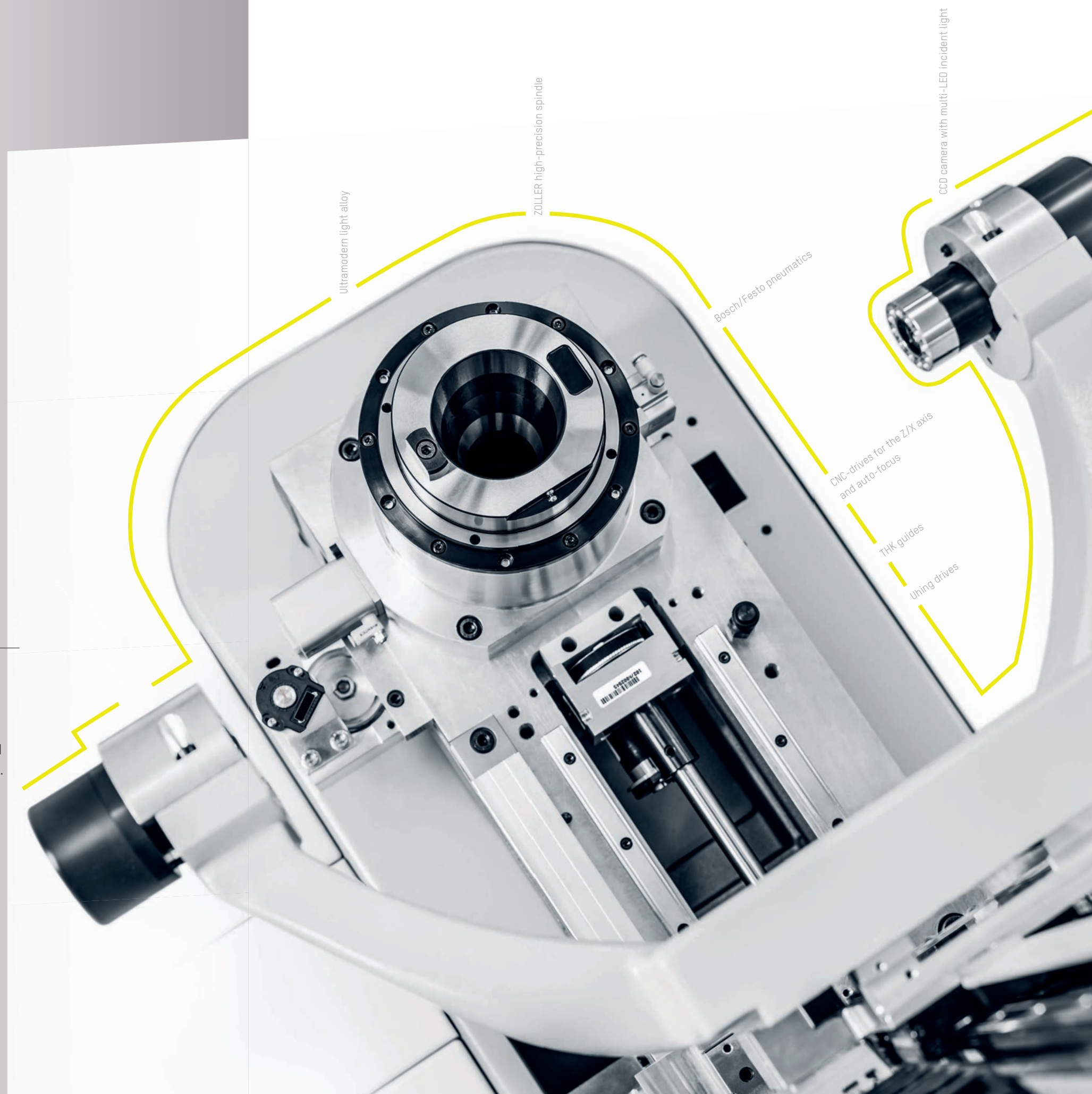
From presetting, measuring, and inspecting to tool management — ZOLLER »venturion« with »pilot 3.0« brings more efficiency to tool management. The software can, thanks to its modular structure, be adapted to new requirements at any time. Self-explanatory graphic menu buttons guarantee reliable navigation to the destination. Successful measuring is as easy as that.



venturion  
450

# Inner Qualities that You Can See

There are many good reasons for the unique precision of ZOLLER »venturion«. Most of them can only be seen by looking inside — for example, the Heidenhain measuring systems, Festo pneumatics, and Uhing drives. Yet there are a number of quality components to discover on the outside, too. Take the CCD camera with coated lenses and special ZOLLER LED optics for standard cutting inspection in incident light. Or the specially alloyed, thermally optimized base, ensuring robustness for use on the shop floor. Put this together and you have a presetting and measuring machine that is unrivaled in terms of precision and longevity.





venturion  
450

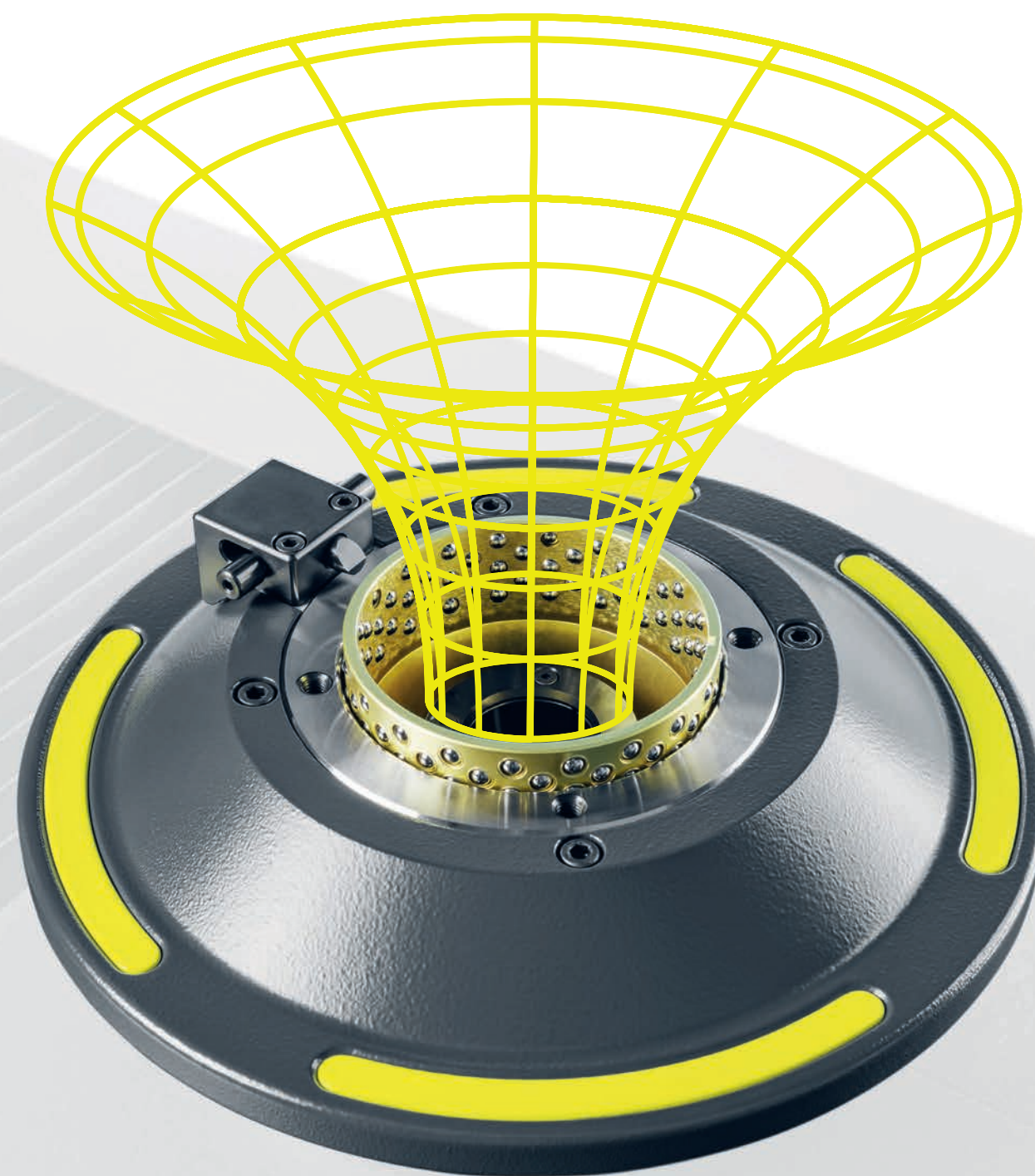
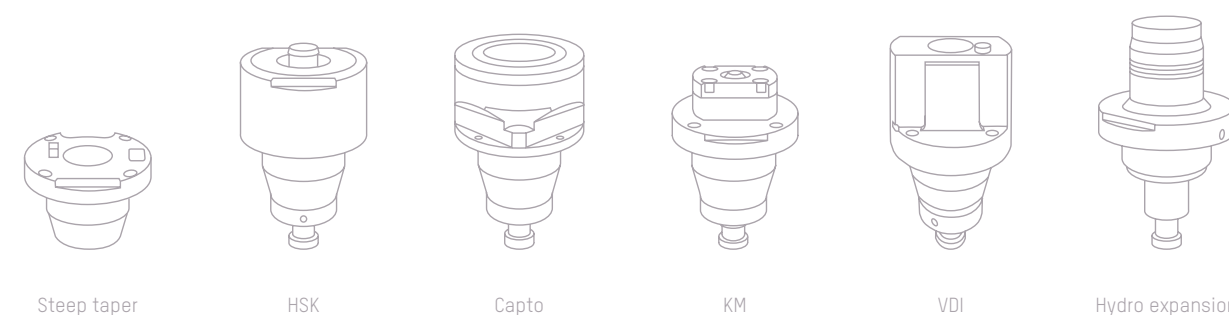
# Makes Your Workplace a Comfort Zone

Those who like to work, work better. That is why we paid particular attention to the topic of ergonomics in the further development of the ZOLLER »venturion«. The new, variable »cockpit« control unit allows the user to work comfortably on the device. With 180 degrees of accessibility, it is much easier to change tools. With the »eQ« one-hand control handle, you can position the optic carrier in no time at all. The membrane keypad ensures user comfort, as does the intuitive user dialog of the »pilot 3.0« software. Unrivalled process safety is also ensured — with the perfect interplay of mechanical and electronic components. In a nutshell: With »venturion«, work has never been so pleasant. And in turn, especially efficient.



# The **Tension** Is Mounting — and the Excitement Grows

Insert a tool, push a button, finished. That's how simple it is to clamp tools using the universal »ace« high-precision spindle (all-clamping element) from ZOLLER — always with the same precision, accurate and reliable to the last  $\mu\text{m}$ . Steep or hollow shank tapers, Capto, VDI or KM, and with shank diameters from 3 to 32 mm — all attachment holder can be replaced in less than 10 seconds with  $\mu\text{m}$  precision. No wonder these power-activated spindles have been impressing users throughout the world for decades. Thanks to the new, ergonomically optimized design, the enthusiasm will no doubt continue rising.





# Welcome to the **Future**

---

Always guaranteed with ZOLLER: a secure connection to the future. Not only can you integrate our solutions easily into your existing systems, you can also adapt them quickly and flexibly to new challenges. This keeps you a step ahead of the competition.

# 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.

We look forward to hearing from you:

Tel.: +49 7144 89 70-0 | E-mail: [post@zoller.info](mailto:post@zoller.info)

For more information about our comprehensive range of services, please visit  
[www.zoller.info](http://www.zoller.info)



»venturion 450«	●	◎	●	●	-	◎	◎	●	◎	●	●	◎	●	◎	◎	◎	◎	◎	◎	●	●	●	◎	◎	●	●	●	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	-	●	●	●	◎	●	●	●	●						
»smile 620«	●	◎	◎	-	-	◎	●	◎	●	◎	◎	●	-	-	-	●	◎	◎	◎*	-	●	-	-	-	●	-	●	◎	◎	-	◎	◎	-	-	-	◎	◎	-	-	◎	◎	●	◎	-	◎	-	◎	◎	●	-	●	-	◎
»smile 420«	●	◎	◎	-	-	◎	●	◎	●	◎	◎	●	-	-	-	●	◎	◎	◎*	-	●	-	-	-	●	-	●	◎	◎	-	◎	◎	-	-	-	◎	◎	-	-	◎	◎	●	◎	-	◎	-	◎	◎	●	-	●	-	◎
»smile 320«	●	-	◎	-	-	●	◎	◎	●	◎	◎	●	-	-	-	●	◎	-	-	-	●	-	-	-	●	-	●	◎	-	-	-	-	-	-	◎	-	-	-	◎	-	◎	◎	●	-	-	-	◎						
»smileCompact«	●	-	-	-	●	-	-	-	-	-	-	●	-	-	-	●	◎	-	-	-	●	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	◎	-	-	◎	●	-	-	-	◎					

## Measurably More Profit

With ZOLLER »venturion« 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!

Calculate for yourself how much savings potential your company can tap into:

[www.zoller.info/en/productivity\\_calculator](http://www.zoller.info/en/productivity_calculator)

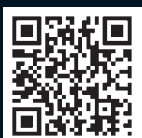
Technical Data	Measuring Range, Z Axis	Tool Diameter	Snap Gauge
»smileCompact«	350 mm	320 mm	0 mm
»smile«	350 / 420 / 600 / 800 mm	320 / 420 / 620 mm	0 / 100 mm
»venturion 450«	450 / 620 / 820 mm	420 / 620 mm	100 mm

- standard
- ⊙ possible
- not possible

<sup>1)</sup> Available for table electronics or retaining tube, DME, no CNC, no tool inspection

# venturion | 450

[www.zoller.info](http://www.zoller.info)



E. Zoller GmbH & Co. KG | Tool Presetting and Measuring Machines  
Gottlieb-Daimler-Strasse 19 | D-74385 Pleidelsheim  
Tel: +49 7144 8970-0 | Fax: +49 7144 8060-807  
[post@zoller.info](mailto:post@zoller.info)

**ZOLLER**  
expect great measures®