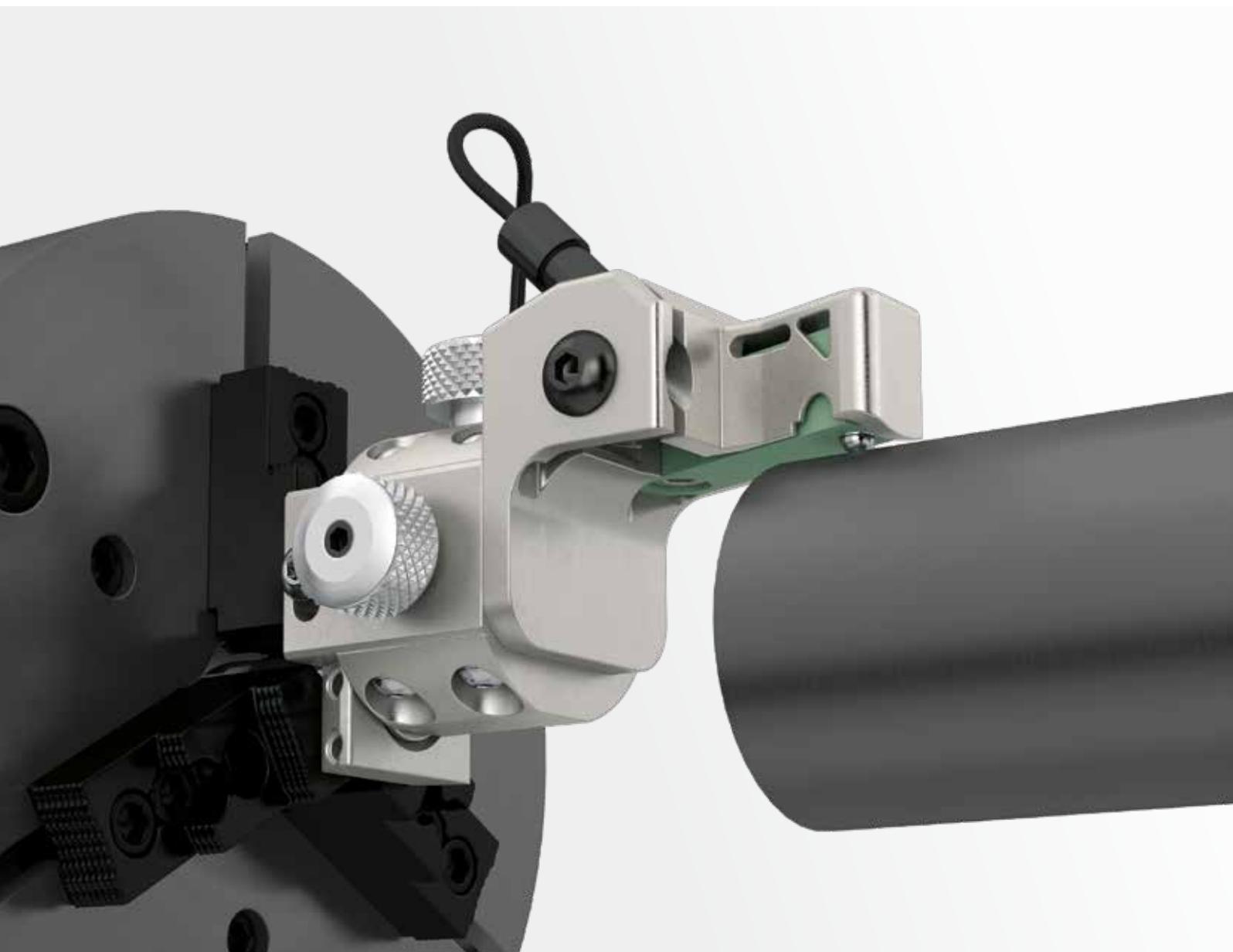


# WolfCMD

DIGITAL CENTRE MEASURING DEVICE



**Taking measuring to a new dimension:  
80% more time efficient**

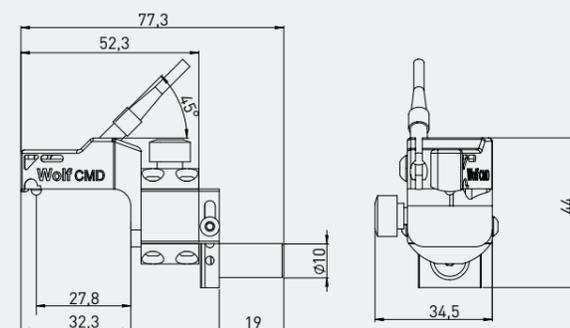


## Absolute precision and maximum process reliability

The days of conventional, error-prone analogue measuring with a dial gauge are finally over. The CMD from Wolf takes measuring to a new dimension – a dimension in which measurements are **consistent, reliable, extremely precise, free from parallax errors** and can be taken faster than ever before.

What's more, **lateral forces are counterbalanced** and all readings obtained are represented graphically and documented.

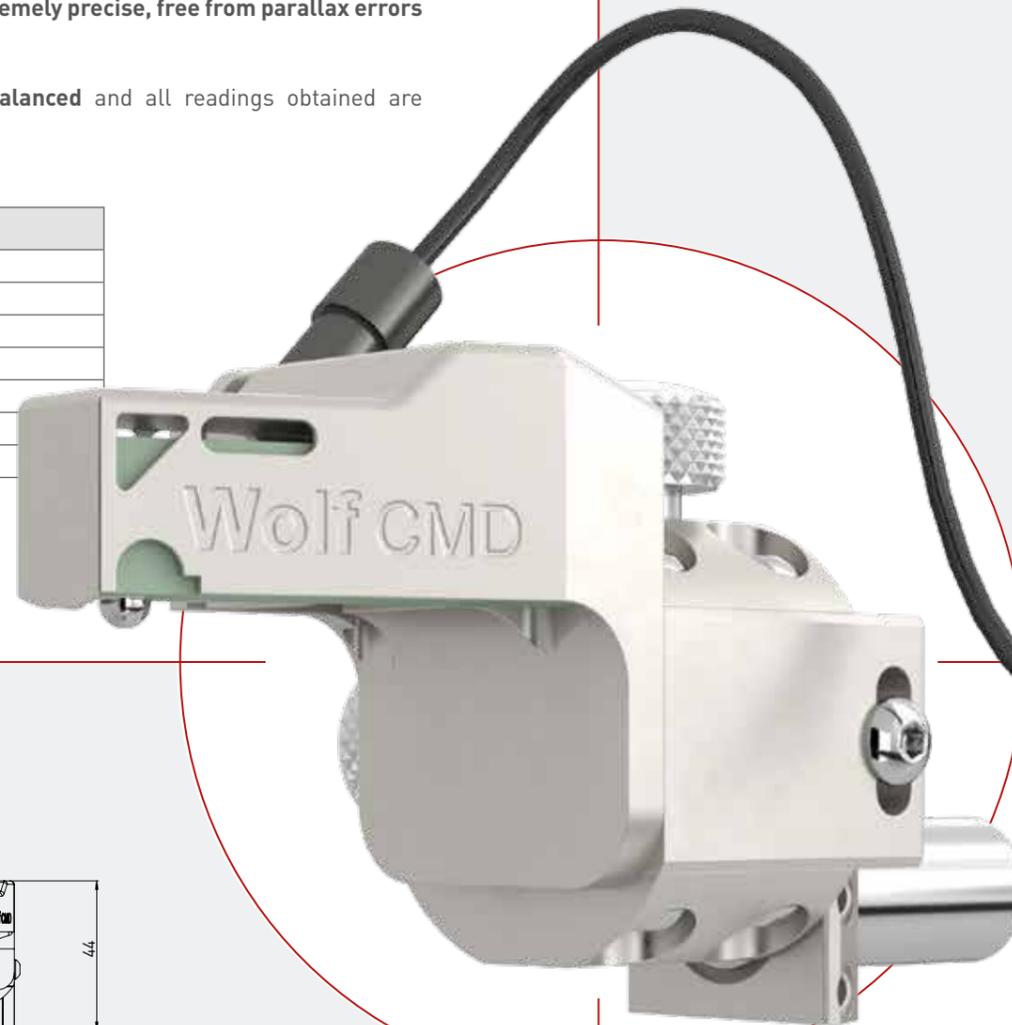
Technical data	
Sensor measuring range	1 mm
Accuracy	0,05 %
Outside measurement range	0.5-38 mm
Inside measurement range	≥ 25 mm
Protection rating	IP60
Standard cable length	3 m
Resolution	< 0.1 µm



## Compact and efficient

The **newly developed software** for the WolfCMD, the **slenderness of the measuring head** and the **new compact sensor holder** enable **extremely precise measurements** to be obtained on **lengthy measuring paths**. These features also allow axes, spindles and shafts to be aligned with each other conveniently using advanced technology **even in the tightest of spaces**, while at the same time providing users with a visual display.

**The entire measuring system can fit inside a handy carry case**, which means it can be safely transported anytime and anywhere when it is required.



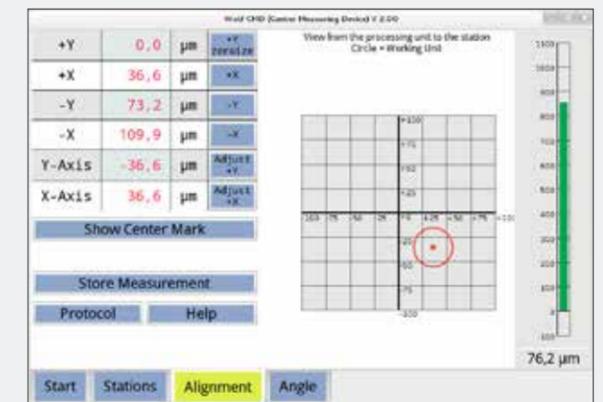
## Quick and convenient

Practical tests with the WolfCMD revealed **time savings of up to 80 percent** in comparison to conventional measuring techniques.

Simply attach the measuring unit with a high-resolution sensor to the machine spindle, switch on the tablet PC and take the relevant measurements.

Graphical representation of deviations in form of crosshairs enable corrections to be made fast and easy.

Measurements can be analysed conveniently using the specially developed software. **All results are saved in a PDF file**, which enables them to be printed and archived with ease or even exported via the standardised USB port.



# Are you still measuring or already manufacturing?

## Simple and flexible

Wolf Maschinenbau AG originally developed the WolfCMD to meet our need to align the axes in our round and linear phased machine tools quickly and with the utmost precision. The main focus was laid upon maximum user comfort and ultimate flexibility in the range of applications it can be used for.

The result? Up to **20 measuring positions can be compared with one another** to enable errors to be identified and machining units to be adjusted using the WolfCMD.

**All applications are digitally reprocessed and shown**



**on the touchscreen in real time.** The specially developed software for the WolfCMD is particularly notable thanks to its **exceptional ease of use.**

The **WolfCMD is a universal and highly adaptable device** that can be used, for example, in the **manufacture of precision parts for constructing machinery and systems**, in the **aviation and aerospace industries** or in **bioengineering** – all with great success.

We will be happy to adapt the device to meet your specific needs upon request.



## The benefits at a glance

**Everything to hand.** The WolfCMD digital centre measuring device consists of a high-resolution sensor, various connectors and ports plus a tablet PC, making it handy, compact and easy to transport in its sturdy carry case.



**Precise:** Sensor measuring range: 1 mm. Resolution: <math>< 0.1 \mu\text{m}</math>. Measuring ranges: Outside: 0.5 – 38 mm\*, Inside:  $\geq 25$  mm.



**Compact:** The newly developed sensor holder enables measurements to be taken in the smallest of spaces.



**Simple:** Readings are digitally recorded and graphically represented to enable automatic analysis.



**Quick:** Set-up times are up to 80% quicker than for conventional measuring devices.

| Adaptable to larger diameters.



## Wolf Maschinenbau AG

We manufacture and supply innovative round and linear phased machine tools – and the peripheral devices for them – to enable custom, compact machining of metal rings, metal bars, turned parts, pipes and extruded parts with flexibility and precision. As a leading technology specialist, our range of services includes designing, developing, manufacturing and servicing high precision, made-to-measure automation solutions for our customers.

When developing and producing the individual components that make up our perfectly coordinated systems and running our vast range of services, we make maximum speed, quality, effectiveness and precision our top priorities.

Being an owner-run family business means that our customers are guaranteed a personal service and tailored advice. Our entire manufacturing process



benefits from employees with many decades of experience in the sector and our pioneering services.

This is why Wolf products are synonymous with unparalleled speed and efficiency, maximum flexibility, optimum service and the real “Made in Germany” quality promise.



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