



Workpiece Measurement



Tool Measurement



Multi-directional **shark360**



Hardwired



Modular System



Position Measurement



Measurement of Standard Features



Pulling Measurement



Torsional Measurement



Adaptive Machining



Coolant Load



Tool breakage detection



Tool length measurement



Tool Radius Measurement



Wear Compensation



Temperature Compensation



Touch Probe **TC76**

ULTRA-COMPACT

BLUM
focus on productivity



Touch Probe TC76

ULTRA-COMPACT

Hardwired touch probe with revolutionary shark360 measuring mechanism

The compact touch probe TC76 is used for a fast and automatic measurement of tools and workpieces in grinding, turning and milling centres. Due to a modified face gear and the optoelectronic signal generation, the built-in patented **shark360** measuring mechanism sets a new standard with regards to precision and reliability.

- Pulling and torsional measurements with offset stylus
- Tool measurement using stylus with cube
- Excentric measurements
- Compact machines offering limited space
- Customised solutions are easily developed

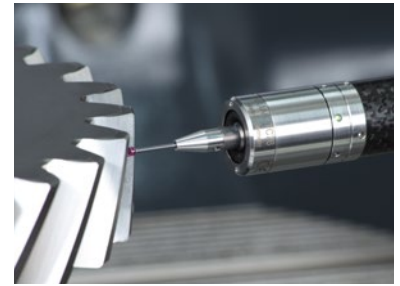
Your benefit:

- Superior precision due to patented **shark360** measuring mechanism
- Extremely high probing speeds
- Constant deflection forces in all probing directions
- Ideally suited for highly productive production
- Reliable measurements, even under the influence of coolant
- No-wear, optoelectronic measuring mechanism
- Proven and robust design
- Enables unmanned manufacturing

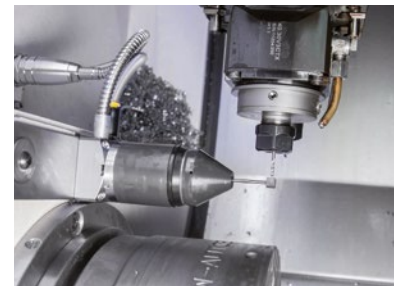
Accessories

A full range of accessories are available, providing optimal solutions for customer-specific applications. Choices include various styli, extensions, angle attachments, adjustable sockets and mounts and pneumatically operated covers.

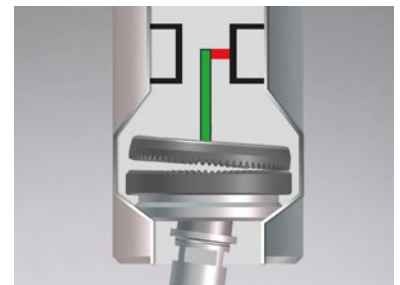
System overview



Workpiece measurement in the grinding machine



Tool measurement - TC76 with protective sleeve



Patented **shark360** measuring mechanism



Various accessories available

Technical data

TC76

Size	Ø 25 mm
Length *	40 mm
Transmission type	Cable
Max. probing speed	2000 mm/min
Repeatability	0.4 µm 2σ

* without stylus and interface M16x1