

## Workpiece Measurement



shark360 DIGILOG



Hardwired



Modular System



Position Measurement



Measurement of Standard Features



ContourScan



Workpiece Inspection



Adaptive Machining



Coolant Load



Mass Production



Wear Compensation



Temperature Compensation



## Touch Probe **TC76-DIGILOG**

DIGITAL MEASUREMENT & ANALOGUE SCANNING

**BLUM**  
focus on productivity



# Touch Probe TC76-DIGILOG

## DIGITAL MEASUREMENT & ANALOGUE SCANNING

### Digilog touch probe with revolutionary shark360 measuring mechanism

Hard-wired touch probes for automatic inspection of workpiece contours for machining errors. Exact measurement of workpiece position using digital measurement, extreme reduction in measuring time using cyberspeed, analogue scanning process.

- Workpiece measurement in grinding, turning & milling machines
- Immediate rework in the original setting is possible
- Comparative measurement between master part and workpiece
- High measuring resolution for maximum precision and safety
- Outputs for 24 V trigger signal and 2... 8V analogue voltage
- Various accessories available for customer-specific applications

### Your benefit:

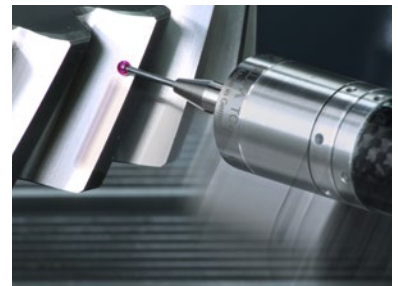
- Extremely fast measurements (analogue & digital)
- No production of NOK-parts due to downstream, external measurements
- Superior precision due to patented **shark360** measuring mechanism
- Reliable measurements, even under the influence of coolant
- Precise, non-lobing touch characteristics
- No-wear, optoelectronic measuring mechanism
- Proven and robust design

### Software BCS 3.0

Specially developed for the use of DIGILOG measuring systems, BLUM BCS 3.0 software offers the perfect opportunity for visualisation, calculation and evaluation of the measured values recorded in the machining centre.

- Contour monitoring at any number of scan programmes per workpiece
- Flexible definition of warning and tolerance limits per workpiece
- Alarm release when exceeding the warning and tolerance limits
- Providing the tracked data in a log file

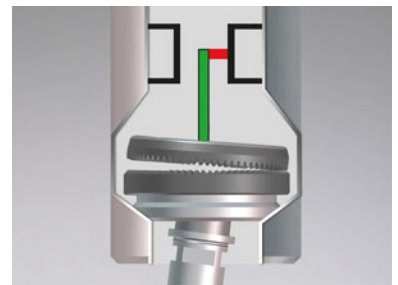
### System overview



Detection of machining errors on gear grinding machine



Analogue scan of a conical elongated hole



High-precision, face-gearing measuring mechanism



Analysis on control monitor or BLUM touch panel

### Technical data

### TC76-DIGILOG

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