

## Workpiece Measurement



**shark360 DIGILOG**



Radio Transmission



Modular System



Position Measurement



Measurement of Standard Features



ContourScan



Workpiece Inspection



Adaptive Machining



Coolant Load



Mass Production



Wear Compensation



Temperature Compensation



**Touch Probes TC63-DIGILOG | TC64-DIGILOG**

THE DIGILOG REVOLUTION

**BLUM**  
focus on productivity



# Touch Probes **TC63-DIGILOG** | **TC64-DIGILOG**

THE DIGILOG REVOLUTION

## DigiLOG radio touch probe with revolutionary shark360 measuring mechanism

DIGILOG = high-precision digital measurement and lightning-fast scans in analogue mode. Featuring BRC radio technology, the DIGILOG touch probes are particularly well suited to use in milling and turning centres. By analogue scanning of the workpiece surface, machining errors are detected quickly and reliably. The system is also available as a modular version in form of the TC63-DIGILOG.

- Automatic inspection of workpiece contours
- Reduction of the measuring time by analogue scanning process
- Exact measurement of workpiece position using digital measurement
- Comparative measurement between master part and workpiece
- Reliable data transmission using BRC radio technology
- High measuring resolution for maximum precision and safety

### 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
- No-wear, optoelectronic measuring mechanism
- Proven and robust design

### Software BCS 3.0

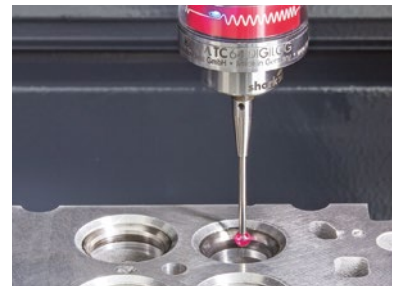
Specially developed for the use of DIGILOG measuring systems, BLUM BCS 3.0 software offers the perfect opportunity for visualisation, calculation and evaluation of the measured values recorded in the machining centre.

- 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

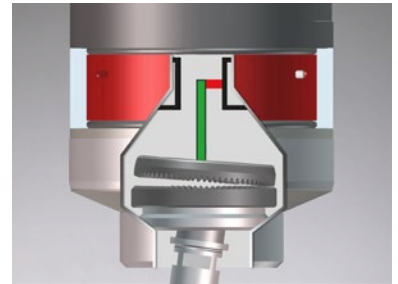
### System overview



TC63-DIGILOG – the modular system



Analogue contour scan of the sealing chamfer on a valve seat



Patented **shark360** measuring mechanism



Analysis on control monitor or BLUM touch panel

### Technical data

#### TC63-DIGILOG

#### TC64-DIGILOG

	TC63-DIGILOG	TC64-DIGILOG
Size	Ø 40 mm	Ø 40 mm
Length *	93 mm	68 mm
Transmission type	Radio	Radio
Max. probing speed	2000 mm/min	2000 mm/min
Repeatability	0.4 µm 2σ	0.4 µm 2σ

\* without stylus and interface for tool holder