



TC64-10 Touch Probe



Workpiece Measurement



Tool Measurement



Radio Transmission



shark360 Technology



Wear-Free Measuring Mechanism



Single & Mass Production



Axes Compensation



Pulling Measurement



Tool Length Measurement



Tool Radius Measurement



Tool Breakage Detection

Touch Probe TC64-10

BLUM
focus on productivity



TC64-10 | Touch Probe | Tactile workpiece & tool measuring system with BRC radio transmission

Compact radio touch probe with revolutionary shark360 measuring mechanism

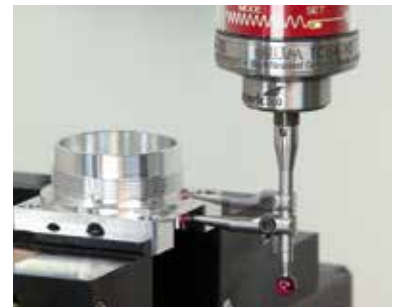
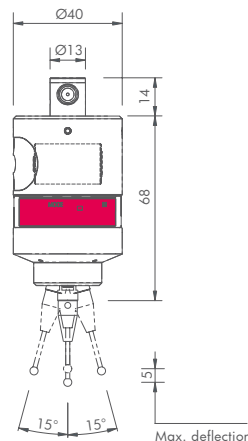
- Workpiece measurement and tool setting in turning and milling machines
- Perfect for 5-axis machines where line of sight between probe and receiver is blocked or intermittent
- Application in turret
- Pulling measurements

Your benefit:

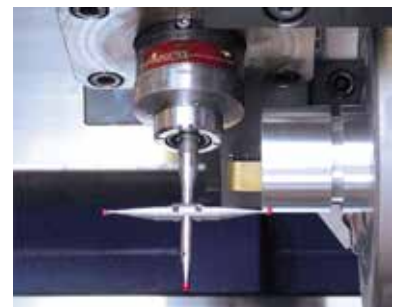
- Measuring speed up to 2 m/min
- Superior precision due to patented **shark360** measuring mechanism
- No-wear optoelectronic measuring mechanism
- Easy pairing procedure between probe and receiver
- Use of up to 6 measuring systems with one receiver
- Extended battery life
- Shortened design
- Precise measurement even with coolant
- Compact and robust design

BRC Radio Technology

Sequential use of up to 6 measuring systems with one radio receiver.



Pulling & pushing measurement



Workpiece measurement in turning machine



Tool setting in turning machine

Technical data

Protection class	IP68
Approach direction	±X, ±Y, ±Z
Measuring force in XY Z	1,3 N / 0,9 N / 0,7 N / 0,5 N* 5,9 N
Measuring force (LF) XY Z	0,4 N / 0,3 N / 0,2 N / 0,17 N* 2,0 N
Max. deflection XY Z	± 15° 5 mm
Max. probing speed	2 m/min
Repeatability	0,4 µm 2σ
Max. acceleration	50 m/s ²
Mass	230 g
Signal transmission	Radio (BRC Technology)
Frequency band	2,4000 – 2,4835 GHz
Transmission power Operating range	0 dBm 5 m
Battery (2 pieces)	Saft Lithium LS14250, (½ AA, 3,6V) 1200 mAh
Tool holder	BTH 25 (HSK, SK, BT, VDI, ...)
Storage/Operating temperature	-20 °C ... +70 °C +5 °C ... +50 °C

* Stylus L= 30 mm / 50 mm / 75 mm / 100 mm LF: Low Force



shark360 measuring mechanism



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More than 40 subsidiaries and service offices.

www.blum-novotest.com

Blum-Novotest Ltd.

33 Townfields
Lichfield, Staffordshire
WS13 8AA, United Kingdom

Phone: +44 1543 257111

Fax: +44 1543 251746

E-Mail: info@blum-novotest.co.uk

Blum LMT, Inc.

4144 Olympic Boulevard
Erlanger, KY 41018
USA

Phone: +1 (859) 344 6789

Fax: +1 (859) 344 6799

E-Mail: solutions@blumlmt.com