



TC62 Touch Probe



Workpiece Measurement



Radio Transmission



Multidirectional



Wear-Free Measuring Mechanism



Single & Mass Production



Contour Measurement



Axes Compensation

Touch Probe **TC62**

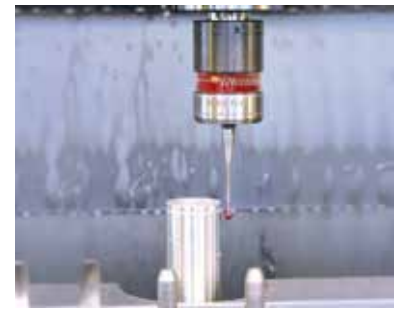
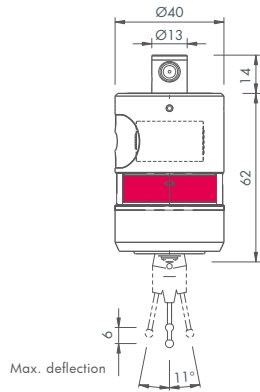
BLUM
focus on productivity



TC62 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

For small machining centres – compact radio touch probe with multidirectional measuring mechanism

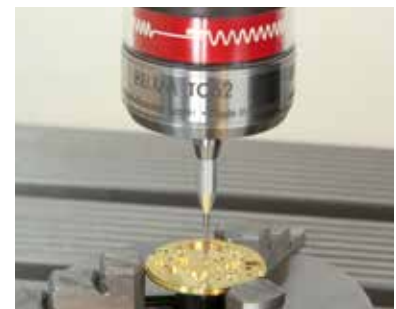
- Perfect for 5-axis machines where line of sight between probe and receiver is blocked or intermittent
- Detection of workpiece position
- Correction of workpiece orientation
- Thermal compensation of the machine tool
- Contour measurement



Fast workpiece measurement

Your benefit:

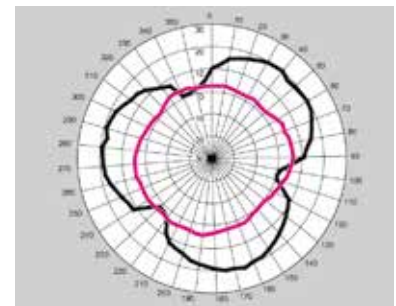
- Measuring speed up to 2 m/min
- Precise, non-lobing touch characteristics
- No-wear, optoelectronic measuring mechanism
- Easy pairing procedure between probe and receiver
- Use of up to 6 measuring systems with one receiver
- Extended battery life
- Precise measurement even with coolant
- Proven and robust design



TC62 – for small machining centres

BRC Radio Technology

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

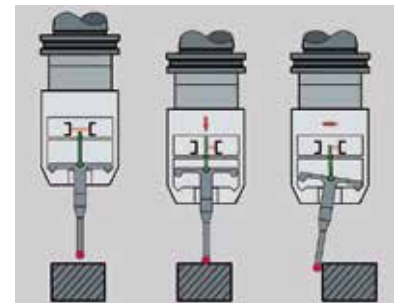


Non-lobing touch characteristics

Technical data

Protection class	IP68
Approach directions	±X, ±Y, -Z
Measuring force in XY Z	2,3 N / 0,65 N (LF)* 5,7 N / 1,6 N (LF)*
Max. deflection XY Z	± 11° 6 mm
Max. acceleration	50 m/s ²
Repeatability	0,3 µm 2σ
Max. probing speed	2 m/min
Mass	250 g
Signal transmission	Radio (BRC Technology)
Frequency band	2,4000 – 2,4835 GHz
Transmission power	0 dBm
Operating range	5 m
Battery (2 pieces)	Saft Lithium LS 14250 (½ AA, 3,6V) 2600 mAh
Tool holder	BTH 25 (HSK, SK, BT, VDI, ...)
Storage/Operating temperature	-20 °C ... +70 °C +5 °C ... +50 °C

* Stylus L= 30 mm



Modern and precise measuring mechanism with optoelectronic signal generation

BLUM
focus on productivity

Blum worldwide Service & Support

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