



TC60 Touch Probe



Workpiece Measurement



Radio Transmission



Multidirectional



Wear-free Measuring Mechanism



Single & Mass Production



Contour Measurement



Axes Compensation

Touch Probe **TC60**

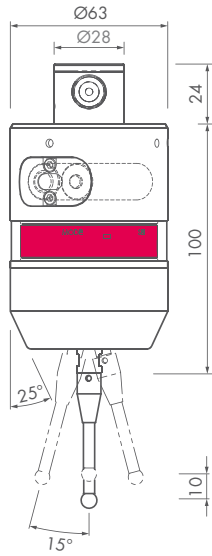
BLUM
focus on productivity



TC60 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

High-Speed touch probe with latest BRC radio transmission technology and multidirectional measuring mechanism

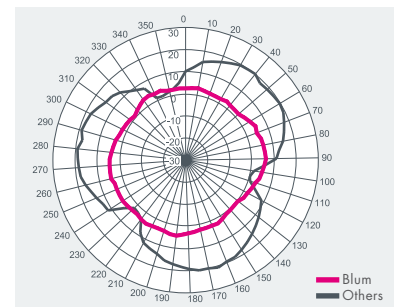
- Perfect for large 5-axis machines where line of sight between probe and receiver is blocked or intermittent
- Detection of workpiece position
- Correction of workpiece orientation
- Thermal compensation of the machine tool
- Contour measurement



BRC-radio system – extremely fast & robust

Your benefit:

- Measuring speed up to 3 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



Non-lobing touch characteristics

BRC Radio Technology

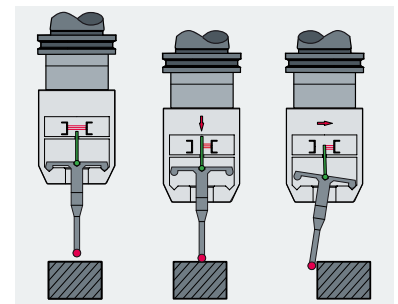
Sequential use of up to 6 measuring systems with one radio receiver.



Technical data

Protection class	IP68
Approach direction	$\pm X, \pm Y, -Z$
Measuring force in XY Z	2 N * 7 N
Max. deflection in XY Z	$\pm 15^\circ$ 10 mm
Max. acceleration	50 m/s ²
Repeatability	0.3 μm 2 σ
Max. probing speed	3 m/min
Mass	925 g
Signal transmission	Radio (BRC Technology)
Frequency band	2.4000 ... 2.4835 GHz
Transmission power	0 dBm
Operating range	15 m
Battery (2 pieces)	Saft Lithium LS14500 (AA, 3.6 V) 2600 mAh
Tool holder	BTH 50 (HSK, SK, BT, VDI, ...)

* Stylus L = 50 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.

Unit 15 Granary Wharf Business Park
Wetmore Road, Burton upon Trent
Staffordshire, DE14 1DU
United Kingdom

Phone: +44 1283 569691
Fax: +44 1283 563687
info@blum-novotest.co.uk

Blum-Novotest, Inc.

4144 Olympic Boulevard
Erlanger, KY 41018
USA

Phone: +1 (859) 344 6789
Fax: +1 (859) 344 6799
solutions@blum-novotest.us