



TC64-20 3D Tool Setting Probe



Tool Measurement



Radio Transmission



shark360 Technology



Wear-Free Measuring Mechanism



Tool Breakage Detection



Tool Length Measurement



Tool Radius Measurement



Axes Compensation

3D Tool Setting Probe TC64-20

BLUM
focus on productivity



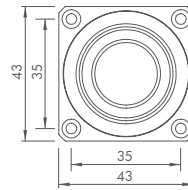
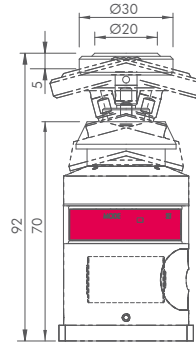
TC64-20 | 3D Tool Setting Probe | Tactile tool setting system with BRC radio transmission

Universal and wireless – flexible tool setting probe with revolutionary shark360 measuring mechanism

- Tool length measurement
- Tool radius measurement
- Tool breakage detection
- Thermal compensation of the machine tool
- Perfect for machines where line of sight between probe and receiver is blocked or intermittent

Your benefit:

- Superior precision due to patented **shark360** measuring mechanism
- No subsequent damage due to tool breakage
- Fast ROI
- 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
- Compact and robust design



Tool length measurement



Tool radius measurement

Technical data

Protection class	IP68
Approach direction	$\pm X, \pm Y, -Z$
Measuring force in XY Z	1,6 N 5,4 N
Max. deflection XY Z	$\pm 15^\circ$ 5 mm
Repeatability	0,4 μm 2 σ
Max. probing speed	2 m/min
Min. tool diameter	1 mm*
Mass	290 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 LS14250, (1/2 AA, 3,6V) 1200 mAh
Storage/Operating temperature	-20 °C ... -70 °C +5 °C ... +50 °C

* Depending on tool geometry and material, probing force must not result in damage of tool.



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



shark360 measuring mechanism



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