



Tactile workpiece measuring system with BRC radio transmission

BLUM
focus on productivity



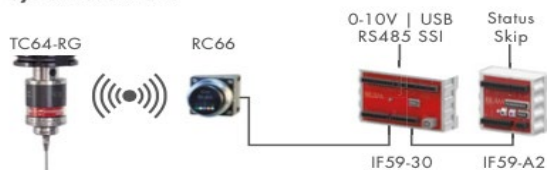
Roughness gauges for machine-integrated quality monitoring of surfaces

- Evaluation of surface roughness in original fixturing
- Early detection of poor surface quality
- Roughness measurement on milling, turning and grinding machines

Your benefit:

- Minimizing of rejects by allowing immediate rework
- Enhanced productivity and process reliability by elimination of manual and downstream tests
- Superior precision due to patented shark360 measuring mechanism
- No-wear, optoelectronic measuring mechanism
- Use of up to 6 measuring systems with one receiver
- Proven and robust design

System overview:



Measuring Resolution	TC-63/64RG
Stylus	40 mm
Analogue measuring range	550 µm
Resolution Converter resolution	12.3 mV/µm * 0.2 µm/Digit
Sampling rate internal external	1 kHz 1 ms/Value or Status

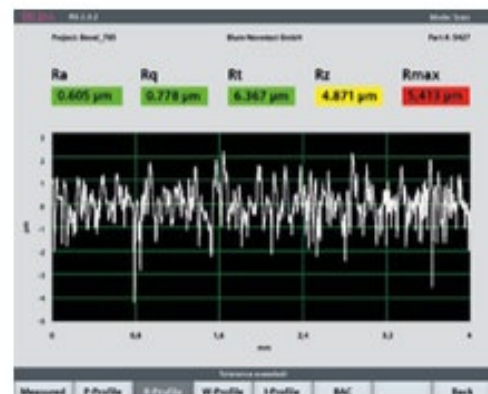
Technical Data	TC-63/64RG
Protection class	IP68
Approach direction Measuring force	±X, ±Y 0.35 N ** / 2 N
Max. deflection in XY Z	±11° 6 mm
Max. probing speed	2 m/min
Repeatability	0.4 µm 2σ
Measureable roughness	>Rz2µm
Roughness parameters	Ra, Rq, Rt, Rz, Rmax, Wt
Signal transmission Frequency band	Radio (BRC Technology) 2.4000 – 2.4835 GHz
Transmission power Operating range	0 dBm 15 m
Tool holder	BTH 25 (HSK, SK, BT, VDI, ...)

* X-Axis ** Stylus L= 40 mm

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.



TC63-RG – modular system with **shark360 DIGILOG** technology



Display and operation via machine control or BLUM touch panel