



Workpiece Measurement



shark360 DIGILOG



Hardwired



Radio Transmission



Modular System



Position Measurement



Roughness Measurement



Workpiece Inspection



Coolant Load



Mass Production



Roughness Gauges **TC63-RG** | **TC76-RG**

MODULAR VARIANTS

BLUM
focus on productivity



Roughness Gauges TC63-RG | TC76-RG

MODULAR VARIANTS

Roughness gauges for machine-integrated quality monitoring

The modular design of roughness gauges allows for customer-specific adaptation to special measurement tasks, which means that measurements can also be carried out in places that are difficult to access. Bad surfaces, caused by worn tools, are detected in-process.

- Automated and fast evaluation of surface roughness
- High measuring resolution for maximum precision and safety
- Various accessories available for customer-specific applications
- Reliable data transmission using BRC radio technology

Your benefit:

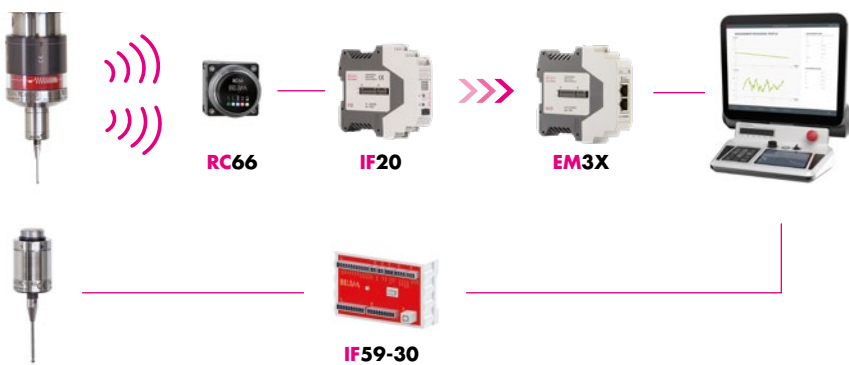
- Enhanced productivity and process reliability by elimination of manual and downstream tests
- Minimizing of rejects by allowing immediate rework
- Reliable measurements, even under the influence of coolant
- Superior precision due to patented **shark360** measuring mechanism
- No-wear, optoelectronic measuring mechanism

Software RG 3.0

Specially developed for the use of BLUM surface roughness gauges, BLUM RG 3.0 offers the perfect opportunity for data entry, calculation and evaluation of the roughness values, recorded in the machining centre.

- Automatic calculation of roughness parameters Ra, Rz, Rq, Rt and Rmax
- Flexible definition of warning and tolerance limits per measuring distance
- Alarm release when exceeding the warning and tolerance limits
- Providing the tracked data in a log file

System overview



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



TC63-RG with single measuring element for inspection of straight workpiece geometries



Analysis on control monitor or BLUM touch panel



Various accessories available

Technical data

TC63-RG

TC63-RG Single

TC76-RG

Technical data	TC63-RG	TC63-RG Single	TC76-RG
Size	Ø 40 mm	Ø 40 mm	Ø 25 mm
Transmission type	Funk	Funk	Kabel
Max. probing speed	2000 mm/min	100 mm/min	2000 mm/min
Measurable roughness	> Rz 2 µm	> Rz 1 µm	> Rz 2 µm