



LaserControl Mini NT



Tool Measurement



NT Technology



Tool Breakage Detection



Tool Length Measurement



Tool Radius Measurement



Single Cutting Edge Monitoring



Axes Compensation



LaserControl Mini NT

BLUM
focus on productivity



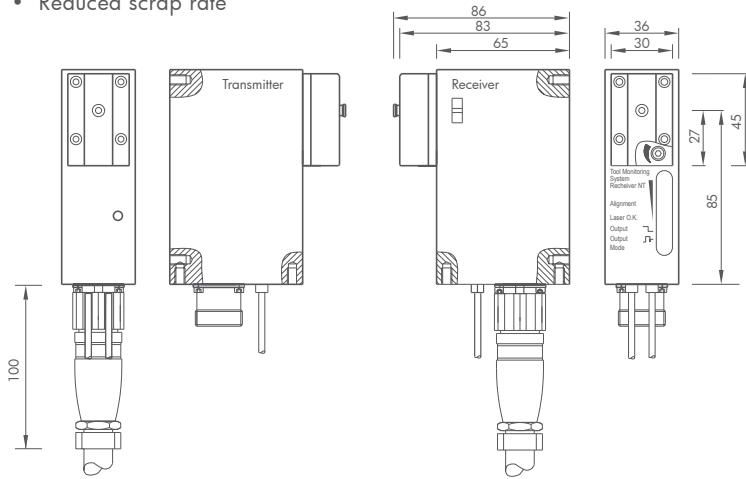
LaserControl Mini NT | Non-contact tool setting system for machine tools

Extremely precise single system for tool setting and monitoring under harshest conditions

- High absolute accuracy due to focused laser beam
- Tool setting and monitoring at nominal spindle speed
- 100 % process reliability due to patented NT-Electronics
- Blum pneumatic unit and shutter system provide superior protection
- Design enables customized configuration of the laser optics
- Programmable by integrated microprocessor

Your benefit:

- Easy alignment due to LED band and integrated beam adjustment
- Increased productivity and production quality
- No subsequent damage due to tool breakage
- Reduced set-up time and unmanned operation
- Reduced scrap rate



Technical data

Laser safety classification	Class 2 acc. to IEC60825-1, 21 CFR 1040.10
Laser type	Visible red light laser 630 - 700 nm <1 mW
Protection class	IP68
Power supply	24V DC / 160 mA
Inputs/Outputs	24V DC 0 - 5V DC analogue output*
Repeatability	Δ transmitter / receiver <500 mm: 0,5 μ m 2 σ ** Δ transmitter / receiver <1.000 mm: 1,0 μ m 2 σ **
Minimum tool diameter**	Δ transmitter / receiver <500 mm: 180 μ m 75 μ m*** Δ transmitter / receiver <1.000 mm: 300 μ m 125 μ m***
Test speed (spindle)	Up to 200.000 rpm
Storage/Operating temperature	-10 °C ... +70 °C +5 °C ... +45 °C

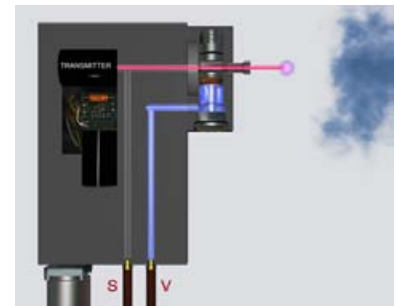
* Option ** Depending on installation situation, stability of fixation, distance and measuring mode
*** With reduced amplification



Fast single cutting edge monitoring



Complete system with accessories for easy mounting in the machining area



100 % reliable due to Blum protection system



Indispensable – the Blum pneumatic unit



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