BLUM measuring probe

Productivity | Precision



Series

H | F | C | HF | MCH | MCH-C | MC | MCi | MCP-H | MCS | BEA

Control

FANUC | SIEMENS Powerline | SIEMENS Solutionline | uni-Pro 90

Quality assurance in the production process saves on complex and protracted correction cycles, as it indicates errors directly where they occur. The BLUM measuring probe checks the workpieces while they are still in the work area for precise machining and transfers the measured values to the control system for correction.

Characteristics

- Measuring of bores and surfaces with subsequent automatic compensation in the control (zero offset, tool compensations)
- Detection of impermissible preconditions (e.g. hole not present)
- Recording the measurement and position tolerances of the workpiece
- TC50 = Multidirectional infrared measuring probe for workpiece measurement
- TC60 = Multidirectional wireless measuring probe for workpiece measurementTC51 = Infrared measuring probe for fast and retracting measurements in Z+TC61 = Wireless measuring probe for fast and retracting measurements in Z+
- Multidirectional
- Touch probing from all directions, without orienting the spindle
- Bidirectional
- Touch probing in one plane, spindle must be oriented towards the probing direction (measuring cycles)
- Complete case
- with measuring probe, probe insert, tool holder, coolant pipe
- Not for existing customers! The overall length is shorter than previously delivered measuring probes, which must be taken into account in the application.

Benefits

- More process reliability: no lengthy process interruptions due to complex troubleshooting, continuous quality control
- More machine safety: machine safety for unmanned production
- More precision: direct error detection and automatic correction

Requirements

- BLUM measuring probe interface