



MB300

MULTIPOINT MEASURING MACHINE FOR BRAKE DISCS AND BRAKE DRUMS

BLUM
NOVOTEST



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Fully automatic, high-precision workpiece measurement for brake discs and brake drums directly integrated into the production line

The MB300 is a high-precision measuring machine with autonomous control, which can be integrated into production lines as an autonomous unit. Intelligent adjustment options and interchangeable parts make it easy to change over to a specific range of workpieces. In a special version, both types of workpiece – brake discs and brake drums – can also be measured by using appropriate setup parts.

Variable machine scope to fit the desired automation concept

- Autonomous system with integrated roller conveyor automation and protective housing for assembly in production lines
- Incomplete machine according to MD for direct or indirect loading by robot, portal or shuttle within a cell provided by the customer
- Simple design as manual measuring station for manual loading

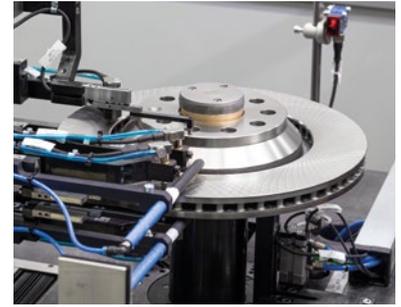
Your benefit:

- Particularly gentle workpiece handling thanks to travelling workpiece supports
- Precise 100% control with high repeatable accuracy with high acquisition rate and validated measurement algorithms
- Quick determination of all required quality features through dynamic feature detection within a workpiece rotation
- Automatic feedback to the upstream machining process with customisable data protocol via PROFINET interface
- Production quality always in view through static evaluation, trend analysis, individually adjustable intervention limits
- Very easy to integrate into production lines with low space requirements and sturdy design

Technical data*

Tool dimensions	standard outer Ø 250 - 450 mm
Tool weight	standard up to 25 kg
Temperature compensation	integrated for machine optional for workpiece
Sensor system	tactile non-contact (optical, inductive, etc.)
Measuring process	dynamic
Workpiece rotation	precision measuring spindle
Measurement/analysis software	Blum-Novotest M4P
Control	autonomous PLC
Operation	monitor for M4P, mobile panel for PLC HMI
Correction	PROFINET correction interface (option)
Application field	prototype- medium- high-volume production
Ambient temperature measuring range	10 °C to +45 °C
Area required for measuring unit	from 1.5 m² plus control cabinet and automation

* Special versions on request



Simultaneous recording of features



M4P measurement and analysis software control panel



Automatic feed option calibration gauge



Option of integrated inkjet printer