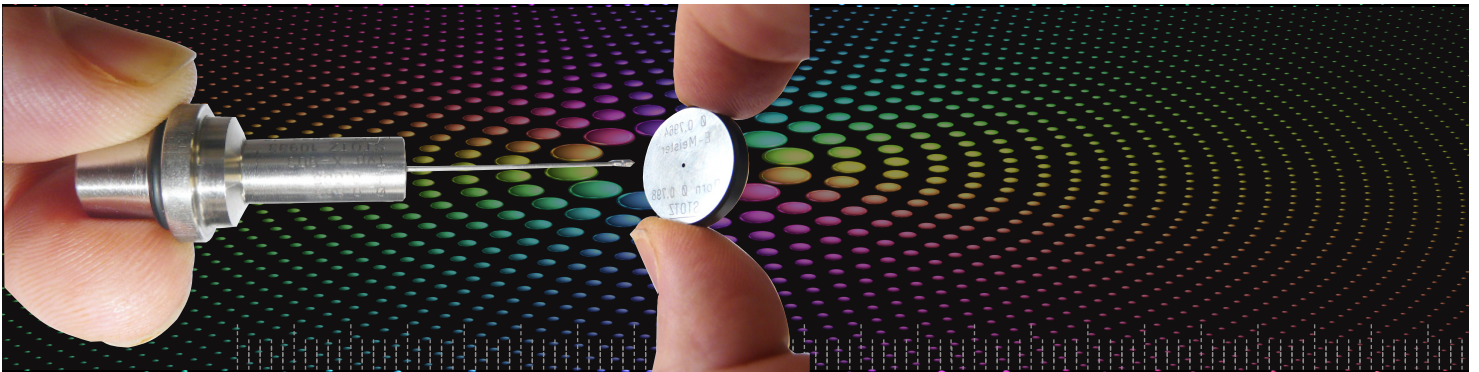


Measuring equipment for production measurement



VALVE SEAT

VALVE SEAT

Description

For the quality inspection of valve seats based on the newest criteria. Special emphasis was placed on the function oriented measurements. The angle and leakage testing of the valve seat has been improved by the new technique. Both measurements determine the function of sizes directly and are to a large extent free from handling. The use of the automated range is simplified also.

The influence of the surface finish could be substantially reduced with simultaneous sensitivity for form deviations, thus the functional quality of the valve seat becomes measurable.

The control and data logging of the valve seat plug gages is done by the new measuring computer MRA-Compact for valve seats. All necessary components for the conditioning of the air, control of the leakage plug gage, PE converters, data acquisition and measurement computer with touch screen is integrated in the MRA-Compact.

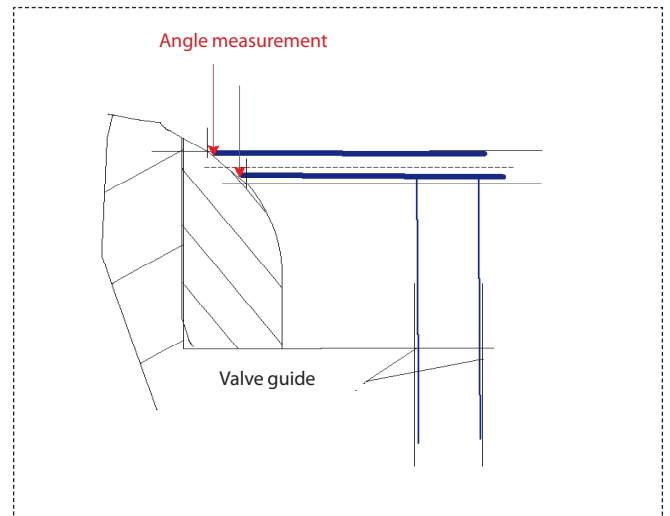
The modular and compact design can also allow for further measurements with different transducers. Various interfaces for data and / or automation are available. The data output format is standard in dfq.

Angle plug gage

The angle plug gage with a measuring range of $\approx 90^\circ \pm 20'$ with wobble compensation can be connected directly to the MRA or the MSG64L. A reduction of error is reached by using multiple measurement and wobble error compensation.



Angle Measuring Principle

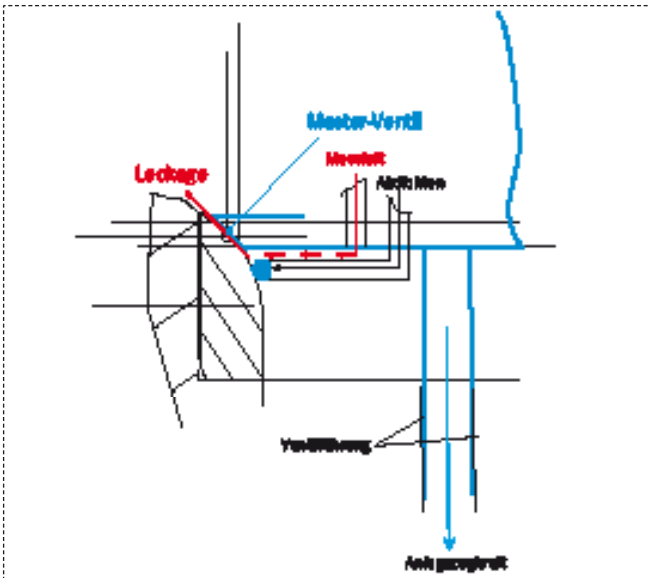


Leakage plug gage

The plug gauge (leakage test) with a range of 0 -150 ml and automatic clamping device (independent of the handling) is directly connected to the MRA-Compact.



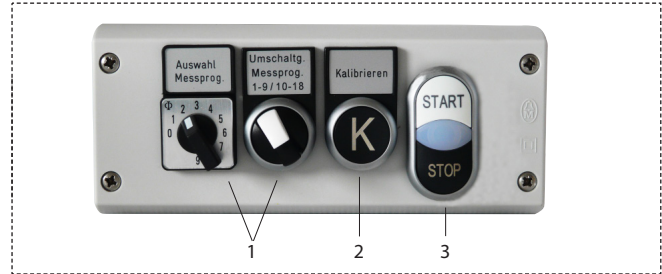
Leakage Measuring Principle



Technical Data Valve seat gage

Equipment features	
Power supply	100-230 V AC; 40-60 Hz
Graphic-Display	Color- Touchscreen
Measuring programs	Valve seat measurement as standard
Port for selection box	WTMSG1
Plug gage control for leakage	
measuring probes	
Measuring range	2 measuring probes
Interfaces	after customer's request
Option	serial, 2x LAN, USB
	Parallel- I/O, Profibus

Operation via touch screen or keyboard operator WTMSG1



Position	Description
1	Measurement program selection switch
2	manual Calibration
3	Program Start/Stop

MRA COMPACT



9 offices worldwide

USA

Advanced Machine & Engineering Company
– sales- and service-branch

Germany

STOTZ Feinmesstechnik GmbH
– head office
– 4 sales- and service-offices

France

STOTZ France
– sales- and service-branch

Italy

STOTZ Italia
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