

NEW **TESA-SCAN 52** **REFLEX-CLICK**



MEASURING ROUNDED PARTS HAS NEVER BEEN SO SIMPLE !

- NEW MECHANICAL CONCEPT AROUND A GRANITE CORE
- STATIC OR DYNAMIC MEASUREMENT
- DIRECT MEASUREMENT OF PARTS
– NO NEED FOR PREPROGRAMMING
- AUTOMATIC RECOGNITION
OF PREPROGRAMMED PARTS
- STRAIGHT USE AFTER A SHORT INITIATION



HEXAGON METROLOGY

ISO 9001





A NEW DEVICE DERIVED FROM EXPERTISE

TESA-SCAN 52 REFLEX-Click is the fruit of a long expertise acquired both in optical measurement of cylindrical parts and in metrology-based applications for industry where this way of inspecting parts is required. This has led to the development of a dedicated system that is definitely innovative whilst opening new ways for part inspection on the shop floor.

Two versions are currently available. One can perform static measurement, whilst the other equipped with a rotary headstock is able to execute both static and dynamic measurements.

FUNCTIONALITIES

Static measurement	Dynamic measurement
Diameters	Runout
Lengths	Coaxiality
Radii	Across flat dimensions
Angles	Circularity
Chamfers	Cylindricity
Threads	

INCREDIBLY SIMPLE AND FAST

TESA-REFLEX Scan provides Users with two new functionalities. A single press on the REFLEX-Click button located on the front face of the machine will enable them.

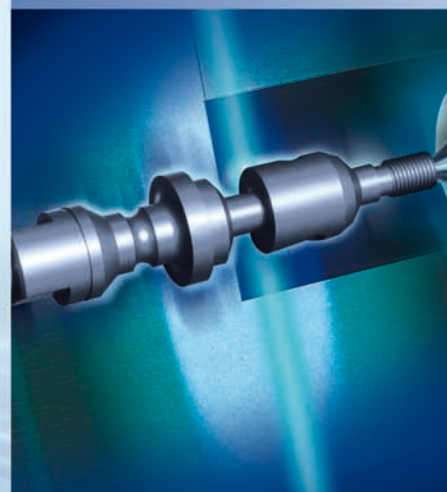
- 1 Direct measurement of parts without the need for any preliminary programming: the machine will scan the part, and then restore each main feature based on a default protocol. This is particularly convenient when inspecting single provided parts in self-service.
- 2 Automatic recognition of the parts: as the part is being scanned, the software will determine whether a programme matching the part geometry already exists. If so, this programme will be loaded and the results computed against nominal values obtained from all inspection operations.

Both functionalities are proper to the TESA-REFLEX and unique to date, making this software incomparable to any other in terms of user-friendliness and effectiveness for part inspection in the workshop.

TECHNICAL DATA

Order number	02430090 / 02430091*
Measuring span for diameters (mm)	0,5 ÷ 52
Measuring span for lengths (mm)	300
Max. workpiece weight (kg)	4
Software	TESA-REFLEX Scan
Machine's dimensions, X/Y/Z (mm)	1000 x 435 x 840
Machine's weight (kg)	103
Precision (D and L in mm, 20°C ±1°C)	
Max. perm. error for diameters (µm)	2 + D/100
Max. perm. error for lengths (µm)	5 + L/100
Repeatability limit for diameters (µm)	1
Repeatability limit for lengths (µm)	2,5

* Static or dynamic measurement



**WHEN
YOU NEED
TO BE SURE**

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