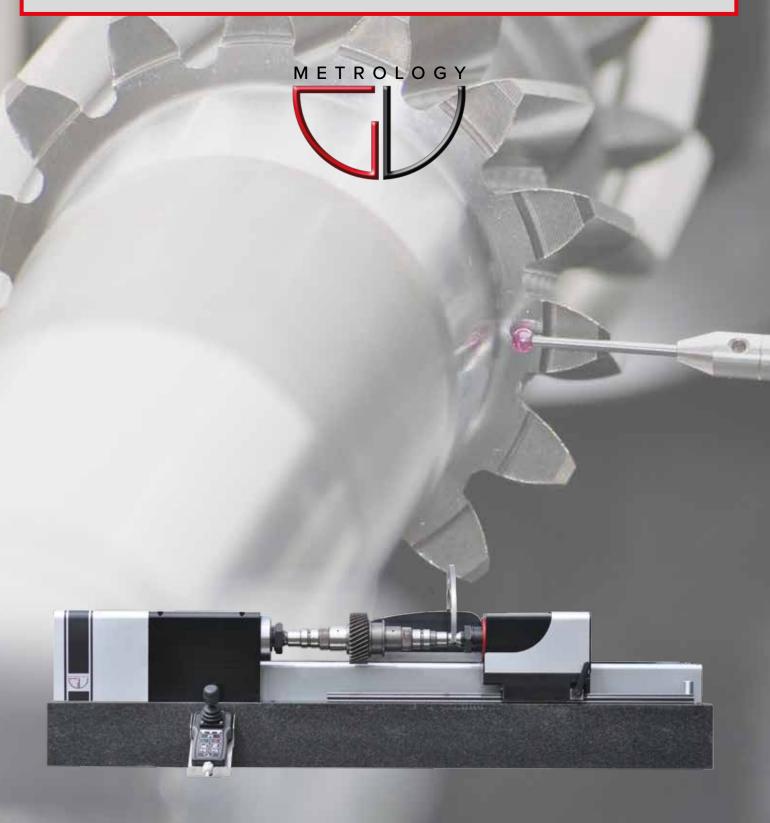
GIOTTO MATIC

SHAFT MEASURING CENTER



PRESENTATION

GIOTTO MATIC is a modular measuring machine for shaft-type parts designed to be placed in the production floor for an automatic control on large batch.

GIOTTO MATIC replaces several manual instruments used in the production and si suggested to be placed besides the turning and grinding machines.

The interface is designed to be simple and the **teach mode** makes this bench very quick for large batch. Visualization and storage of measuring results is performed with standard / customized reports. **GIOTTO MATIC** could be customized according to the customer requirements.

Designed for production floor

Simple interface

Hardware and software customization

Measurements in manual, teach-mode and automatic

Customized reports

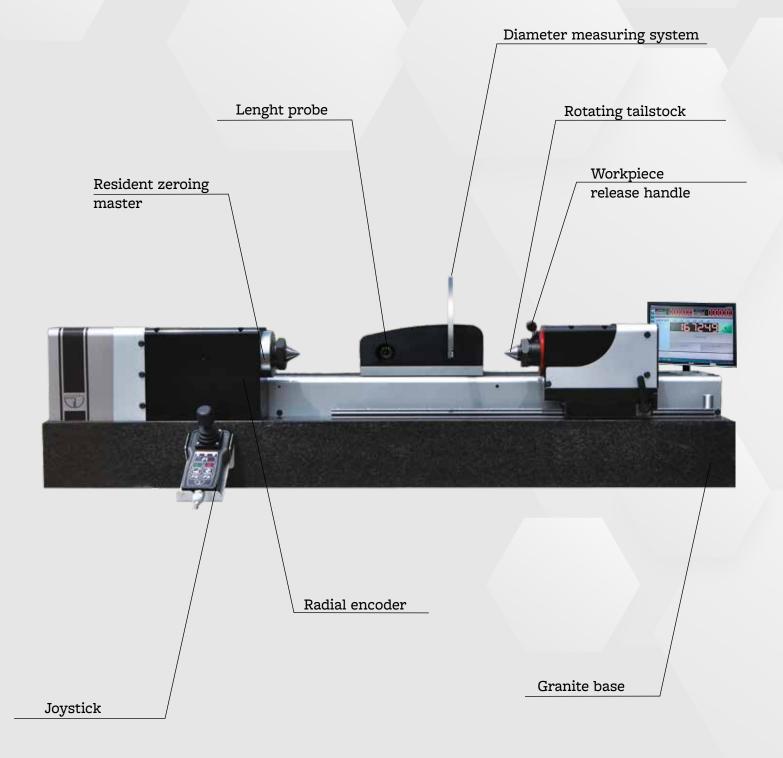
Perfect for large batch control

Adjustable measuring force to avoid operator influence

Dimensional	and geometric	al parameters

Ø	DIAMETER
Ë.	SHOULDER
<u>+</u>	WIDTH OF RECESS
* *	LENGHT MEASUREMENT
O	ECCENTRICITY
0	OVALITY
a ‡	TAPER
	OTHER PARAMETERS

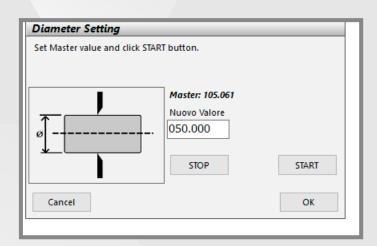
DETAILS

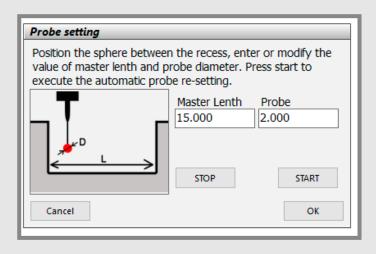


REPORTS / SOFTWARE



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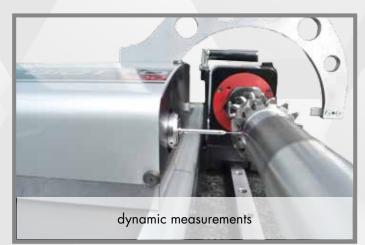


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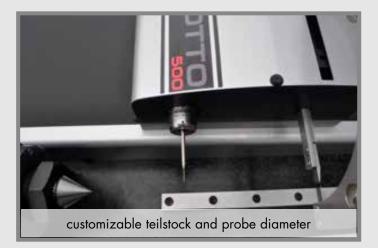
APPLICATIONS













GIOTTO MATIC

The modular configuration of the machine allows a customized solution.

- lengths measurement range mm 500/1000,
- diameter range 120/150 mm
- granite base
- height of teilstock 150 mm complete of static centers
- ergonomic handle for workpiece loading
- joystik

Length measuring system, TT probe with spheric diamenter 1-4 mm; software for length acquisition; shoulders, other parameters.

Rotative encoder; rotating right livecenter; motorized left center. Software for measurement of: concentricity, taper, ovality, axial run-out, run-out to part axis, eccentricity, shoulder, other parameters.

Optical module for radial parameters.

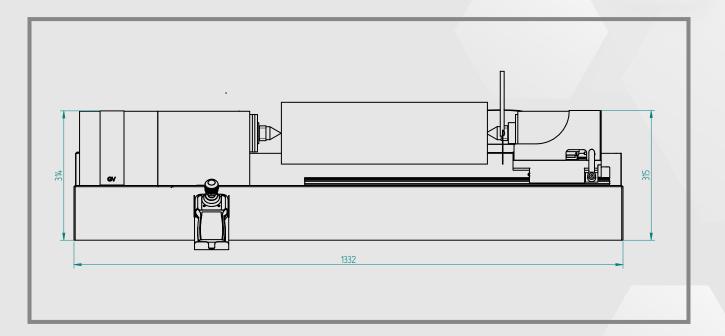
OPTIONALS

- Industrial PC
- Support table
- Bar code

- Polycarbonate protection
- External keyboard

TECHNICAL SPECIFICATIONS

GIOTTO MATIC	GMT500	GMT1000
Measuring range, lenght Z (mm)	0-500	0-1000
Measuring range, diameter X (mm)	1-120	1-150
Max permissible error, lenght Z (µm)	3 + L(mm)/100	3 + L(mm)/100
Max permissible error, diameter X (µm)	2 + D(mm)/100	2 + D(mm)/100
Repeatability, lenght Z (µm)	≤ 2	≤ 2
Repeatability, diameter X (µm)	≤ 1	≤ 1
Resolution, lenght Z (mm)	0.001 / 0.0001	0.001 / 0.0001
Resolution, diameter X (mm)	0.001 / 0.0001	0.001 / 0.0001
Measuring force Z, X (N)	3 , adjustable	3 , adjustable
Max weight of shaft (Kg)	60	75
Weight of instrument (Kg)	410	610



METROLOGY

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