

**MARPOSS**

**M67**

## **VERTICAL BENCH FOR SHAFT INSPECTION**

### **SIMPLE**

The M67 bench is an innovative measuring system with the following strengths : its simplicity, the efficiency of its design, its compactness and its robustness.

### **COMPLETE**

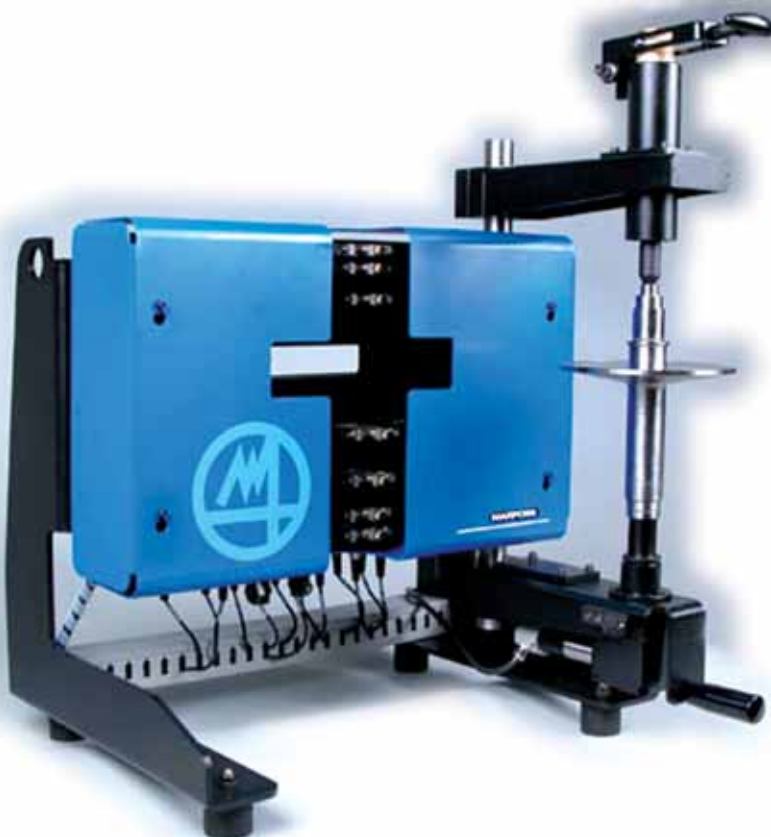
The measuring components are comprised of the most recent Marposs measuring transmission devices belonging to the AMA line (made of non-magnetic stainless steel) and Red Crown pencil probes.

### **DEDICATED**

The bench gauge is dedicated to the final or interoperational inspection of a single part type weighing less than 6 Kg. The work piece is manually loaded between centers in the vertical position. The centers are either fixed (static measurement) or motorized (dynamic measurement) and brought to the measuring position by a manual pivoting arm.

### **COMPETITIVE**

The gauge supports and guarding are manufactured using Laser Cutting technology which can be easily integrated with CAD systems. This reduces both preparation time and the costs of manufacturing individual details. The material is accurately cut with low thermal impact, low mechanical stress and without burrs.



## VERSIONS AND COMPONENTS

This new M67 bench is used for measurement of dedicated part types when no retooling operation is needed. It can be configured as a single or double gauge station and can be provided to perform measurements statically or dynamically.

The bench consists of :

- Support structure
- Guard
- Measuring group without retraction, dedicated to a single part type and including AMA single measuring armsets (TB10, TB10C, TB16, TB16C types), AMA measuring armsets for distance (TS12, TS21 types), Red Crown pencil probes and when needed AMA parallelogram measuring armsets (TP12, TP60 types)
- Upper (with lever) and lower center groups, fixed or motorized
- Manual pivoting arm with adjustable positive stop in measuring position
- Pivoting arm lock in measuring position (mounted on lower center group)

The following options are also foreseen :

- Recoiling lower center group (if the center is not a measurement reference)
- Part rotation
- Probe for ambient thermal compensation

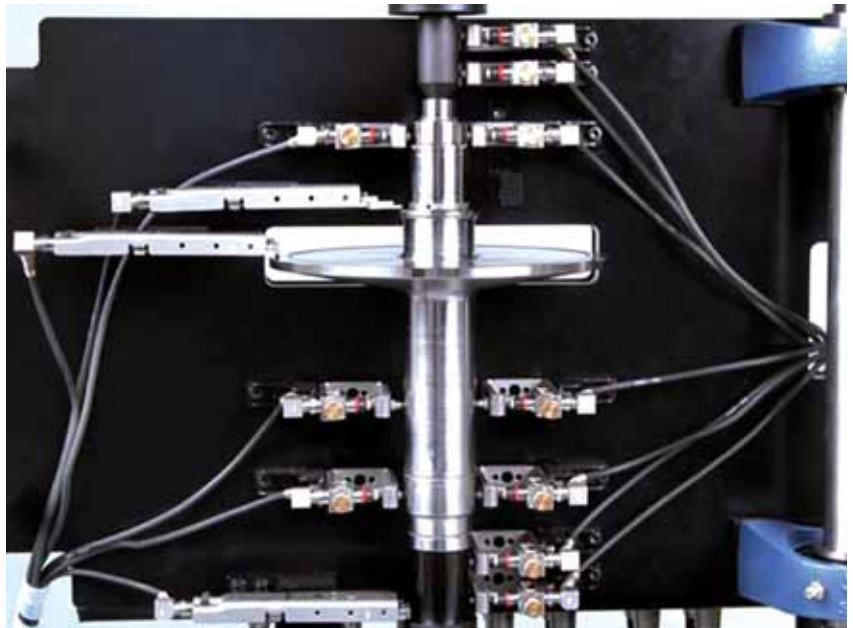
The M67 bench can be connected to the Marposs E9066 electronic unit, usable to perform:

- data acquisition
- measurements elaboration
- real time statistical analysis
- machine tool compensation
- network integration
- data storage

## AVAILABLE CHECKS

The M67 bench is able to statically or dynamically perform the dimensional and geometric checks listed below :

- Outside Diameters
- Straightness and Barrel Shape of Main Bearings
- Ovality
- Taper
- Concentricity
- TIR
- Distances
- Perpendicularity of Shoulders



## APPLICATION RANGE

Maximum part length - 650 mm ( 25.59" )

Minimum part length - 50 mm ( 1.97" )

Maximum overall dimensions of part diameter - 350 mm ( 13.78" )

Maximum vertical range among measuring points - 400 mm ( 15.75" ); over this value, engineering is needed

Maximum outside diameter to be gauged - 250 mm ( 9.84" ) with TB10 measuring armsets, 350 mm ( 13.78" ) with required engineering

Maximum part weight - 6 Kg ( 13.23 lb )



**MARPOSS**  
www.marposs.com

*For a full list of address locations, please consult the Marposs official website*

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Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1-Award

