



MARPOSS

M57A

HORIZONTAL BENCH FOR SHAFT INSPECTION

SIMPLE AND UNIVERSAL

Developed using easy to replace modular components for dimensional and geometric inspection on shaft-like parts.

USER FRIENDLY

Easy to integrate into different phases of the manufacturing process.

FUNCTIONAL

Designed specifically for the part being measured which optimizes space used along production line.

RELIABLE

Sturdy, able to guarantee accuracy and repeatability under shop floor conditions.



THE SYSTEM

The M57A bench performs the inter-operational or final inspection measurements in manual, semiautomatic and fully automated applications, with static or dynamic measuring cycles.

Parts typically inspected are crankshafts, camshafts, gear shafts, rotors and axle shafts.

The bench is provided with:

- a well-protected isostatic measuring station which provides measurement stability
- sturdy structure for part support and referencing
- precise and maintenance free measuring slide which brings the gauge station to the part once referred on Vee's or centers

Available options include: Pre Vee's equipped with passive dampers, motorized Vee's Rollers, automatic and motorized centers, ambient temperature compensation.

Part loading and measuring station actuation can be manual or automatic.

Performable checks: Outside Diameters, Straightness and Barrel Shape of Main Bearings, Stroke/Index, Ovality, Taper, Concentricity, TIR, Distances, Cam Base Circle and Cam Lift, Perpendicularity of Shoulders, Angular Phase of Bores and Key-way Seats.

The bench can be connected to the Marposs E9066™ industrial PCs, for data acquisition, Process and Quality Statistical Control.

APPLICATION RANGE

Maximum part mass - 50 Kg (110.23 lb)

Measurable outside diameters - from 10 (.39") to 160 (6.30") mm

Maximum part swing diameter - 200 mm (7.87")

Part length - from 100 (3.94") to 900 (35.43") mm

Bench length - from 320 (1.05 ft) to 1400 (4.59 ft) mm



1 - Gear shaft inter-operational inspection

2 - Precision slide

3 - Motorized Vee's Rollers

4 - Centers with pneumatic actuation

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

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