

SHAFT ALIGNMENT-DIAL COMPARATOR TECHNOLOGY



Experimental capabilities

- Shaft lineage with 1 comparator (measurement, corrections, verifications)
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- Shaft lineage with 2 comparators (measurement, correction, verifications)
- Comparing the settings obtained by the 2 methods / concentricity and coaxiality
- Implementation of setting procedures

Operating principle

Lineage kit of shaft allows to implement various techniques of shaft lineage

This kit comes in carrying case with comparators, adjustable stand, a set of calibrated thickness shims.

The robust design of this device makes it suitable for use in schools.

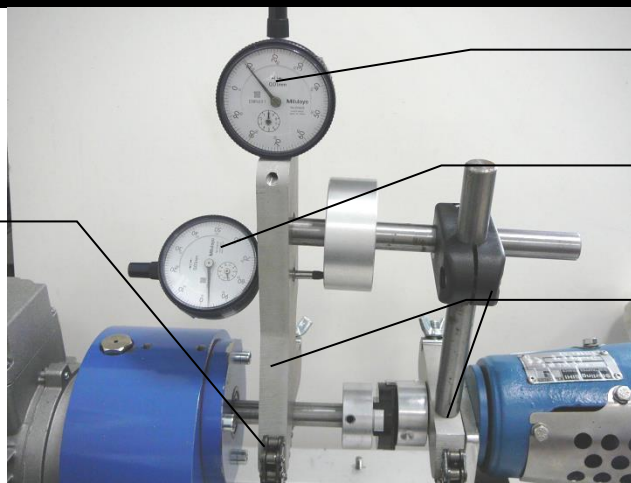
The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.

The manufacture of this equipment complies with the European standard for machinery manufacturing.

This equipment can be used alone or with other compatible equipment from our range (see last section of this document).

Illustrations Technical details

Tension chain for maintaining equipment on the shaft



Comparator for shafts coaxial

Comparator for default of shaft angle

Vee fastening for shaft diameters of 10 to 100 mm

- 1 **tooling control** for shafts with diameter 10-100mm*
 - Vee fastening + clamping chain for shafts with diameter 25-100mm
 - 2 half shells for adaptation on shafts with diameters 10-25mm
 - Adapted to perform an alignment of 2 shafts with intermediate elastic coupling
- **2 mechanical comparators**
 - 1/100
 - Stroke 10mm
 - 1mm/ turn of the dial
- 1 **set of 50 shims calibrated and deburred** designed especially for the timing of engines legs
 - 10 shims thickness. 0.05mm
 - 10 shims thickness. 0.10mm
 - 10 shims thickness. 0.25mm
 - 10 shims thickness. 0.50mm
 - 10 shims thickness. 1mm
 - material: stainless steel
 - Opening of the shims for M12 screw max
 - Thickness engraved on each shim

Optional :

1 kit of compatible numerical control with control tool for comparators and composed of:

2 inductive probes 1/100

- 1 display 2-way

- 1 **lateral adjustment system** for motor alignment - pump on MBP100 (ref: MBP 023)
 - 4 **tapped adaptable modules** on motor pump units of MBP 100 of the right engine legs
 - 4 **jack screws mounted** into the tapped modules and ensuring the adjustment of the position of the legs of the motor

MBP020



Services required

- Electrical supply : 230Vac – 50 Hz
- Dimensions: (LxWxH mm): 400 x 300 x 120
- weight (Kg): 3.4

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

Documentation

- User's manual
- Technical documentation of the components
- Lab exercises
- Certificate of conformity CE

Recommended equipment

The MBP 020 can be used interchangeably on MBP100, MBP 022 MBP 011 and on any other machine (within the limits of its dimensions).