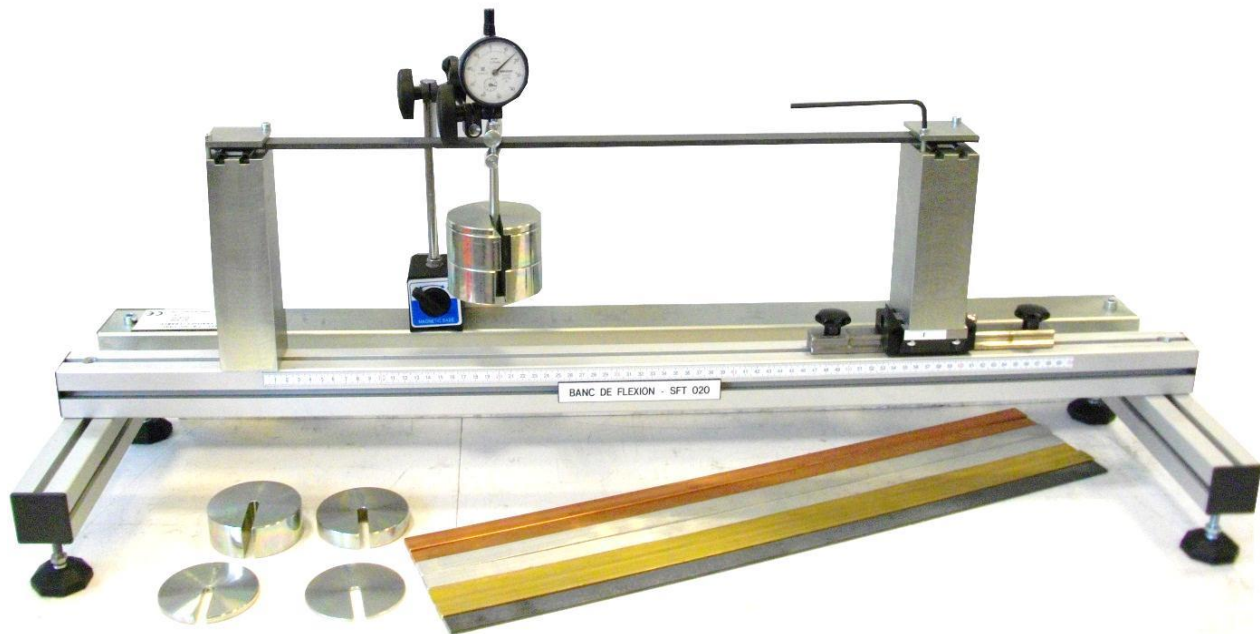


BENDING STUDY UNIT



Experimental capabilities

- Study of the flexion of flat and square profiles
- Measurement of deformation
- Study of the impact of the connections (embedding / point) and cases of load.
- Modelling of loading diagrams and determination theory of the deformed.

Operating principle

The SFT 020 bench allows to study bending of flat and square beams.

Measurement of the deformed in flexion.

Influence of the types of connections (embedded or point) and loading points.

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

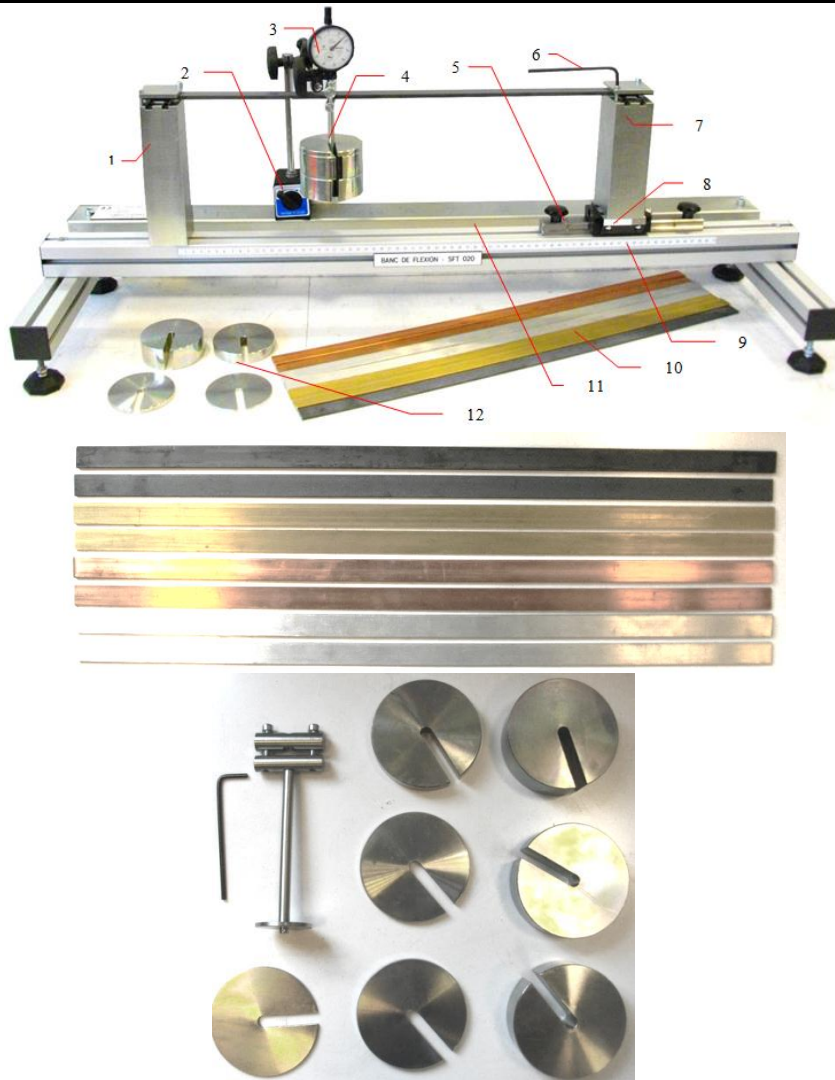
The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.

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



1. Fixed support, point 0 of the beam
2. Support comparator adjustable magnetic
3. Comparator
4. Mass support
5. 2 rail fixing knobs on the bench
6. Tightening wrench connections beams and of mass carrier
7. Mobile support mounted on rail, which can itself be moved for other beams of other lengths
8. reference of the mobile support to align to the desired beam length specified by the ruler
9. Graduated ruler indicating the distance between the 2 connections of the beam
10. Lot of 8 beams
11. Traverse of steel to accommodate the magnetic base
12. Masses

ACCESSORIES INCLUDED:

The beams lot consists of the following 8 beams of 640mm length and 20mm in width:

- A steel beam thickness 5mm
- A steel beam thickness 3mm
- A brass beam thickness 5mm
- A brass beam thickness 3mm
- A copper beam thickness 5mm
- A copper beam thickness 3mm
- An aluminum beam thickness 5mm
- An aluminum beam thickness 3mm

Masses and accessories :

- 2 masses of 1 kg
- 1 mass 0.5 kg
- 2 masses of 0.2 kg
- 1 mass 0.1 kg
- 1 mass support weighing 0,170 kg to set up on the beam studied at the desired distance of the point 0
- 1 key to tighten the mass carrier on the beam and the embedded links

Services required

Documentation

- Dimensions: (LxWxH mm): 1000 x 300 x 420
- weight (Kg): 24

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

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

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