

# SOLES FLEXOMETER BENNEWART TYPE

Bennewart applies to *rubber outsoles* to test their **resistance to continuous flexion till -30°C**.



This machine is produced **in accordance with:**

- EN ISO 20344: 8.4
- DIN 53543 6.3\_79
- ASTM
- UNI Technical Features
- Capability of processing from ambient to -25°C

The equipment features a whole stainless steel clamps group, able to carry up to n°3 entire soles or n°9 samples.

Mechanical motion is guaranteed by a special engine reducer system while a digital cycle counter will provide automatic setting of test parameter. Before starting process, the operator shall provide a cut onto the sole upper side, given by a standardized steel punch.

The eventual dimensional enlarging of such provoked cut will be measured to verify flexion resistance.



This equipment is structured to carry on tests up to -25°C by means of dedicated refrigerating unit positioned in the lower side of frame.

Temperature setting is guaranteed by a digital thermoregulator on the control board.

Normalized soles flexometer suitable for testing from ambient temperature to -25° C.

The test may be performed on 3 Soles or 9 samples.

18/8 Stainless Steel Cell with condensate release.

Automatic engine brake for a quick and fast sample mounting.

Refrigerating unit Ref. "IG/FR-25" with forced ventilation for a perfect temperature uniformity.

Rapid thermal descent.

## Designing characteristics:

- Stainless Steel carrying varnishid structure with moving wheels
- 18/8 Stainless steel Internal test cell
- Closure door with perfect hoid device provided with handle
- Internai double seal insuiation
- Internal double ventilation for the air forced ventilation
- Tightened high power motocompressor complete of adequate servomechanism
- 24 V internal light with lamp
- Safety microswitch installed on the door

## Control Board:

- Magnetothermal safety switch
- Engine thermal protection-START-STOP iuminous switch for motion group
- START-STOP luminous switch refrigerator/ventilation
- Internai light luminous switch
- Sole clamps group luminous switch for the MANUAL positioning-Digital Programmer / Indicator of the test "T"
- N°6 places electronic digital counter.