

# LABORATORY EQUIPMENTS



Made in EU

**Pegasil**<sup>®</sup> by **ZIPOR**



“BENNEWART” flexing machine with cold chamber

**EL-13F**

**Standards:** SATRA TM161 ; EN ISO 20344:8.4 ; DIN 53543:6.3

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# LABORATORY EQUIPMENTS

## "BENNEWART" flexing machine with cold chamber

### DESCRIPTION:

The fatigue flexing test is applied to assess the resistance of soling materials such as PU, thermoplastic rubber, rubber, PVC, and other solings to crack formation and growth under changing flexural stress. This equipment is fitted inside a cold chamber, so its possible to adjust the test temperature till -25 °C.

The testing machine is supplied with three workstations having each one a fixed and moving test piece clamp all of them presented horizontally for operator ease and comfort. The test specimens are guided in such a way that on one side it can be bent at an angle of 90° about a mandrel with a radius of 15 mm at 140 flexes per minute. The design of the flexing device ensures that in bent condition, the plane formed in a stretched condition by the two clamped faces over the outline perimeter of the flexing roller will not change its lenght, so that the stretch of the test specimen depends only on the roller diameter and the thickness of the test specimen.

The fatigue flexing tester is equipped with a switch that enables the operator to stop the test piece clamp in two diferent positions, in stretched position to attach specimens in such a way that the clamped areas form a plane with the outline perimeter of the flexing roller or at maximum flexing angle to measure the crack lenght.

All moving parts requiring access are protected by a fully interlocked safety guard ensurig that the machine is conforms to the European latest safety regulations.

### Supplied with:

. Operating instructions ; conformity / calibration certificate  
. Chisel ; chisel holder

### Standards:

SATRA TM161 ; EN ISO 20344:8.4 ; DIN 53543:6.3

### Power Consumption:

650 W

### Noise:

70 db

### Power Supply:

220 V.AC - 50 / 60 Hz

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