

LABORATORY EQUIPMENTS



Made in EU

Pegasil[®] by **ZIPOR**



"MARTINDALE" Abrasion Machine

EL-71

Standards: EN ISO 20344:6.12 ; EN 13520 ; ISO 12947 ; SATRA TM31:Method A

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"MARTINDALE" Abrasion Machine

DESCRIPTION:

The present equipment "MARTINDALE Abrasion Machine" is intended to determine resistance of a material to wet and dry abrasion and its mainly applicable to fabrics, coated fabrics and leathers but it can be used with any flexible sheet material used for footwear, clothing, gloves and many other products.

Certain elements of the equipment (test base and weight of the specimens-holders) due to differences in the standards specifications are not common to all the test methods referred above, so its necessary to combine different elements that are properly identified in agreement with standards to which intend to execute the tests as we will explain in full detail in the "Operative Procedure".

This machine is equipped with 4 (four) workstations allowing to test 4 (four) test specimens simultaneously, each station consists essentially of a horizontal plate that serves as base for fixation of the abrasive material being this fasten through a tight circular ring through appropriate adjustable handles, the test specimens are fastened in a circular support in way what a circle of material is exposed for the execution of the test, more precisely in contact with the abrasive fabric and pressed by an appropriate weight. The specimens holders are moved cyclical in a horizontal plan drawing the "Lissajous" figure and at the same time the support is free to rotate around the vertical axis.

The front panel has one counter to program the total number of cycles to perform during the test and four buttons with the functions of: Power ; Start ; Stop and Emergency.

Supplied with:

Operating instructions; conformity / calibration certificate
Press knife; test weights; sample holders; 2,5 Kg mass

Standards:

EN ISO 20344:6.12 ; EN 13520 ; ISO 12947 ; SATRA TM31:Method A
Optional: Accessories for test methods EN ISO 12947 and EN 388:6.1 are also available, those will be quoted separately under request.

Power Consumption:

400 W

Noise:

60 db

Power Supply:

230 V.AC - 50/60 Hz