



## HORIZONTAL TENSILE MACHINE

Code. 030121

For determination of tensile resistance in dry or wet state, elongation and tensile energy absorption ( TEA ). Paper and Tissue.

**Standards** : ISO 1924-2, UNE-EN ISO12625-4/5, TAPPI T456, T494, PAPTAC D34, BS4415/2, etc.



### PTA SPAIN

C/ Gurutzegi N° 16 Pol. Belartza  
20018 SAN SEBASTIÁN  
(Guipúzcoa) - Spain

### PTA FRANCE

14, rue Evariste Galois / ZAC les Ruieres  
38320 EYBENS - France

### PTA ASIA

50 East Coast Road #02-73 Roxy Square  
428769 SINGAPORE - Singapore

### PTA RUSSIA

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194021 St. PETERSBURG - Russia



## CHARACTERISTICS :

- Easy adaptation of the machine for testing specimens of paper or tissue by means of exchanging the testing accessories.
- Possibility to carry out tensile tests for paper and tissue and wet tensile tests for tissue.
- High rigidity steel and aluminum frame.
- Driven by servo motor and high accuracy ball screw.
- Adjustable feet for the equipment leveling.
- Internal pneumatic circuit for connection to air supply (opening-closing of the grips).
- Set of adaptors and supports for paper and tissue tensile tests and accessory for tissue wet tensile test. Different sample widths and lengths : 100 mm and 180 mm for paper / 100 mm and 50 mm for tissue (50 mm special distance for tissue final product).
- Pulley and verification and calibration kit (optional, not included in the standard supply).
- Automatic sample detection.
- Test speed adjustable between 0.2 and 330 mm/min.
- Automatic return to initial position after the test.
- Standard Load Cell of 500 N (possibility of 1.000 N or 150 N. Consult your provider).
- Maximum travel between grips of 300 mm.
- Security. Electronic (programming) and physical (limit switches and barrier photocell) overload protection.
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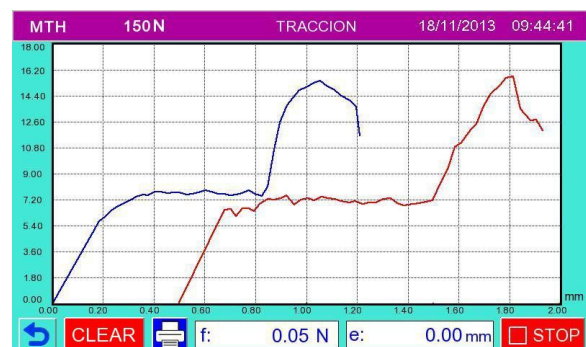
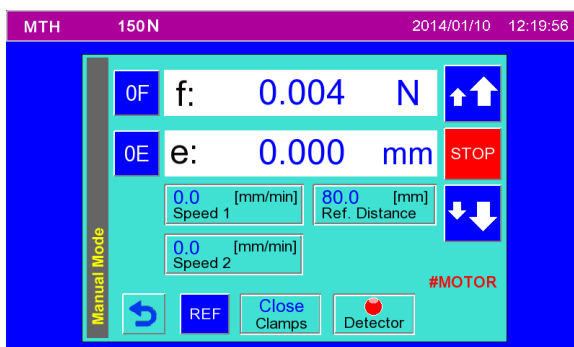
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- RS-232 interface for connection to management and control programs.
- USB connection for maintenance works and for connection with USB printer.
- Force readings with a resolution of 0.004 % of the FS, and extension readings with a resolution of 0.01 mm.
- Accuracy. <1% of the applied force in a range between 2% and 100% of the FS.
- CE mark.

### USER INTERFACE :

- Machine controlled by means of a touch screen and two auxiliary buttons. Through the visualization and control screen, the total control and configuration of the machine can be managed.
- Easy and intuitive operation of the control menu, configurable in different languages.
- Possibility of selecting and defining multiple test results (breaking force, tensile index, elongation, tensile energy absorption (TEA ), etc.). Two result tables with a maximum of 10 result types and 20 test results per table.
- Possibility of displaying the test results in graphic way.
- Statistical control. Mean value, standard deviation and maximum and minimum values.
- Different configurable units for the force, extension and speed parameters.
- Test maneuver with automatic return to initial position at maximum speed (330 mm/min).
- Setting of different breaking and preload levels.
- Periodical programme updatings (without additional costs).



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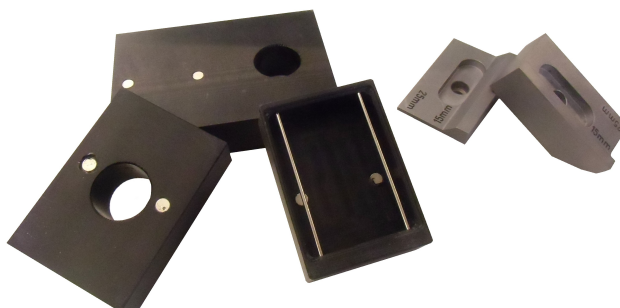
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## **SOFTWARE CONTROL (Optional) :**

The machine, through its RS-232 connection, allows the total control and management of the test, by means of the PTA NOVILOG Software. It will be possible to preset tests, save test results graphical curves, carry out test reports, etc.

## **CONNECTIONS :**

Electric : 220/110V, 50/60 Hz

Air supply : 600 kPa.

## **WEIGHT AND DIMENSIONS (ONLY MACHINE) :**

540 x 490 x 300 mm (WxLxH) / 35 Kg

## **WEIGHT AND DIMENSIONS WITH PACKING BOX :**

750 x 630 x 400 mm (WxLxH) / 50 kg

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