

MODEL MT

Torque testing machines



MT description

For torque test purposes of all type of materials and pieces, as wires, cables, bolts, steel bars....

The sample can be preloaded before test, in the axial load sense, by using a pneumatic cylinder..

Torque capacities from 100 to 5000 N·m. Other capacities can be manufactured upon request.

Te tests can be performed in different ways: by controlling the torque speed, the spinning speed, the angle to be reached... So that the end of the test can be determined upon reaching a certain strain, a known torque, or a sample failure.

The standard clamping system is conformed by 3-jaw chuck. Other designs available upon request.

The motion system is based on an AC geared motor with inverter drive.

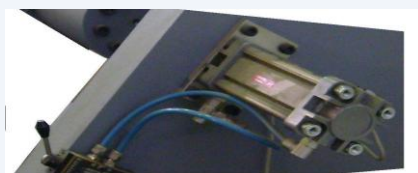
The machine is PC controlled, through PCD2K testing software.

Numeric and graphic files are obtained from the torque/angle curves.



MT accessories

PNEUMATIC CYLINDER FOR SAMPLE PRELOAD



Available in different capacities and strokes .

The software can optionally control the the applied preload measure.

TORQUE TRANSDUCERS, FAILURE DETECTORS



Failure detection by electrical continuity in low loads.
Different scale ranges for torque measurement.

Model MT Control software



Test window



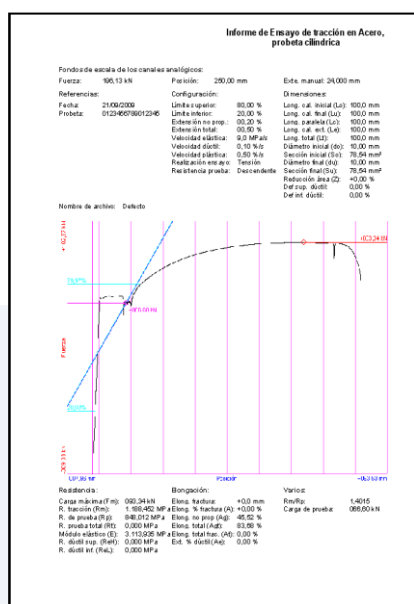
The machine is controlled by PCD2K test software, where the user has different possibilities of managing:

The **general purpose**, where you can have the maximum possibilities in test performance. The customer can set up a custom test, and obtain the intended data.

The **custom test windows under Standard**, which brings together in a single window only the necessary elements for a specific test. All necessary calculations required by the Standard are directly obtained.

You can have as many Standard windows as you need in the same machine, with the only limit of the force and speed capacity of the test frame, or the hydraulic power supply.

You will have a test report with the Standard reference, required calculations and test results, data and graphics.



Test report.

Customized with your logo.

