

Product Name :
Universal Electromechanical Testing Machine

Product Code :
NLAB-EDUCATIONTVET11012



Description :

Universal Electromechanical Testing Machine, Capacity 200 Kn

Technical Specification :

for tensile, compression, bending tests

Closed loop control and computer control.

Capacity 200 kN.

Force measurement system: high precision traction-compression cell

Class 0.5 according to ISO 7500 from 1 to 100% of its capacity

Monospaced

2 steel columns, chrome-plated and rectified with guide system

2 high precision ball screws with preloaded nuts and scrapers

Test frame suitable for calibrating and correcting the axis of the machine, using an advanced AlignTest alignment system, which makes it possible to meet the most demanding standards of the automotive industry, aerospace and defense like NADCAP

Transverse displacement sensor: resolver

Position control resolution: 0.002 mm

Maximum speed: 500 mm / min

Test speed at maximum load: 0.001 - 500 mm / min

Vertical free distance without test heads: adjustable up to 1350 mm

Horizontal free distance: 500 mm

Power supply: 3 kW - Three phase at 380 V + Neutral + Earth. 50/60 Hz.

ALL-IN-ONE computer with touch screen

Remote diagnosis system via internet

Jaws for tensile test

Pyramidal jaw for specimens from 0 to 30 mm thick (1 set)

Pyramidal jaw for 26 to 50 mm thick test pieces (1 set)

V-shaped jaws for Ø 6-30 mm test pieces (1 set)

V-shaped jaws for Ø 30-50 mm test pieces (1 set)

Set of compression plates to be mounted directly on the traction jaws

3-point bending device 100 kN

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