

Electro-Hydraulic Servo Universal Testing Machine

This electro-hydraulic servo universal testing machine is designed for tensile, compression, bending, and shearing tests on metals and non-metals. It is used in aviation, aerospace, quality testing, and educational institutions.



ADDITIONAL IMAGES



Overview

Professional Material Testing Solution

The Electro-hydraulic Servo Universal Testing Machine provides precise and automated material testing capabilities for tensile, compression, bending, and shearing applications. Equipped with advanced servo control systems and a high-precision load cell, it ensures reliable data acquisition and analysis. This robust instrument is ideal for research, quality control, and educational purposes across various industrial sectors.

Certifications

CE

Performance

Key Performance Metrics

600 KN

Max Test Force

0.5 %

Deformation Accuracy

1 %

Displacement Accuracy

Operating Ranges

Parameter	Range
Stress Rate Control	1-60 MPa/S
Displacement Rate	0.5-50 mm/min
Test Stress Rate	1-60 N/mm ² S

Mechanical Specs

Testing Capacities

- Tensile space: 800 mm
- Compression space: 700 mm
- Piston travel: 250 mm
- Flat specimen width: 80 mm
- Flat specimen thickness: 0-30 mm

Power Supply

3-phase 4-wire, 380V 50Hz, 2Kw

Physical Attributes

Equipment Dimensions & Weight

Unit	Dimensions (mm)	Weight (kg)
Host Machine	905 x 580 x 2325	3000
Control Box	600 x 600 x 1165	200