

Hydraulic Universal Testing Machine for Tension, Compression, and Bending

This hydraulic universal testing machine features a dual space and compact structure to meet various test requirements. The machine is designed with convenient hydraulic wedge clamping to prevent slipping.



Overview

DF61 Series Hydraulic Universal Testing System

The DF61 series is a high-precision hydraulic testing solution engineered for rigorous tensile, compression, flexure, and shear testing. Designed with a high-strength frame and a compact integrated hydraulic station, it ensures stability and reliability for high-strength specimens. The system utilizes advanced electro-hydraulic servo units and digital closed-loop controllers to provide precise force, displacement, and strain control.

Performance Metrics

Test Force Range

300 kN

Minimum Force

2000 kN

Maximum Force

Technical Capabilities

Control Parameters

- Force Control
- Displacement Control
- Strain Control

Supported Testing Modes

Tensile, Compression, Flexure, Shear

System Features

Key Features

High-strength frame • Integrated hydraulic station • Electro-hydraulic servo unit • Digital closed-loop controller • Adjustable crosshead speed • Safety interlocks

Applications

Suitable Applications

- Metals
- Composites
- Construction materials
- Quality control
- Research and development
- Educational purposes