

Hydraulic Universal Testing Machine for Material Testing

This hydraulic universal testing machine is designed for tensile, compression, bending, and shear testing of various materials. Available in capacities of 1000 kN, 2000 kN, and 3000 kN, the machine provides consistent loading and automated testing sequences.



Overview

DF62 Series Hydraulic Universal Testing System

The DF62 series is engineered for high-precision tensile, compression, flexure, and shear testing of high-strength specimens. Built with a robust frame and a compact integrated hydraulic station, this system ensures reliability and consistent performance. Utilizing advanced electro-hydraulic servo units and digital closed-loop controllers, it provides precise control over force, displacement, and strain for accurate material characterization.

Technical Specifications

Test Force Range

600 kN

Minimum Force

2000 kN

Maximum Force

Control Modes

- Force control
- Displacement control
- Strain control

Test Capabilities

Tensile, Compression, Flexure, Shear

System Architecture

Key Features

High-strength frame • Compact hydraulic station • Electro-hydraulic servo unit • Digital closed-loop controller