

20KN High Precision Electronic Universal Testing Machine for Material Mechanics

This electronic universal testing machine delivers industrial-leading accuracy and reliability for material testing. Its high stiffness frame and intelligent compensation technology ensure long-term test stability and precise results.



Overview

High-Precision Material Testing

This electronic universal testing machine is engineered for unparalleled accuracy and reliability in material mechanics. Designed to meet global industry standards including GB, ASTM, and ISO, it facilitates a comprehensive range of mechanical tests such as tensile, compression, bending, shear, and peeling. It is an essential tool for high-precision applications across aviation, automotive, polymer, and biomedical industries.

Performance Metrics

Maximum Load Capacity

20 KN

Max Load

Testing Capabilities

Supported Test Types

Tensile, Compression, Bending, Shear, Peeling, Tearing

Calculated Parameters

Calculated Mechanical Parameters

- Maximum test force
- Tensile strength
- Bending strength
- Compressive strength
- Elastic modulus
- Elongation at break
- Yield strength

Industry Applications

Target Industries

Aviation • Automotive • Microelectronics • Biomedicine • Polymers • Textiles