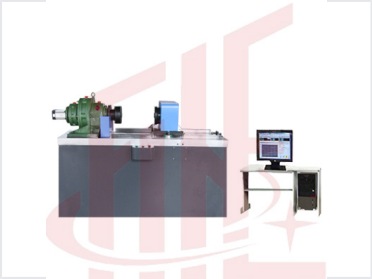
Computer Controlled Torsion Testing Machine

This machine applies to the torsion test of metal or nonmetal materials and some parts. The load system is the computer-controlled AC servo control system.



ADDITIONAL IMAGES

Overview

Precision Torsion Testing

This microcomputer-controlled torsion testing machine is engineered for high-precision torsional performance testing of metal and non-metal materials. Utilizing an imported AC servo control system, it delivers accurate torque and angle measurements with dynamic real-time screen display. It is an essential tool for aviation, construction, and research laboratories requiring reliable material characterization.

Key Metrics

Performance Highlights

2000 Nm	9999.9 °	500 mm
Max Torque Capacity	Torsional Angle Range	Max Collet Distance

Technical Specifications

Model Specifications

Feature	NJ-W500	NJ-W1000	NJ-W2000
Max Test Torque	500Nm	1000Nm	2000Nm
Torque Display Range	10-500Nm	20-1000Nm	40-2000Nm

Accuracy & Precision

- Relative Error of Torque Display: ±1%
- Repetitive Error of Torque Display: ±1%
- Relative Error of Torsional Angle Display: ±1%

Physical & Electrical

Physical Dimensions & Power

- Host Machine Dimensions: 1650x530x1000mm
- Weight: 600kg
- Power Supply: 220V±10%, 50Hz

Applications

Suitable Industries	Aviation & Spaceflight, Construction Trade, Transportation Trade, University Research, Material Science Labs