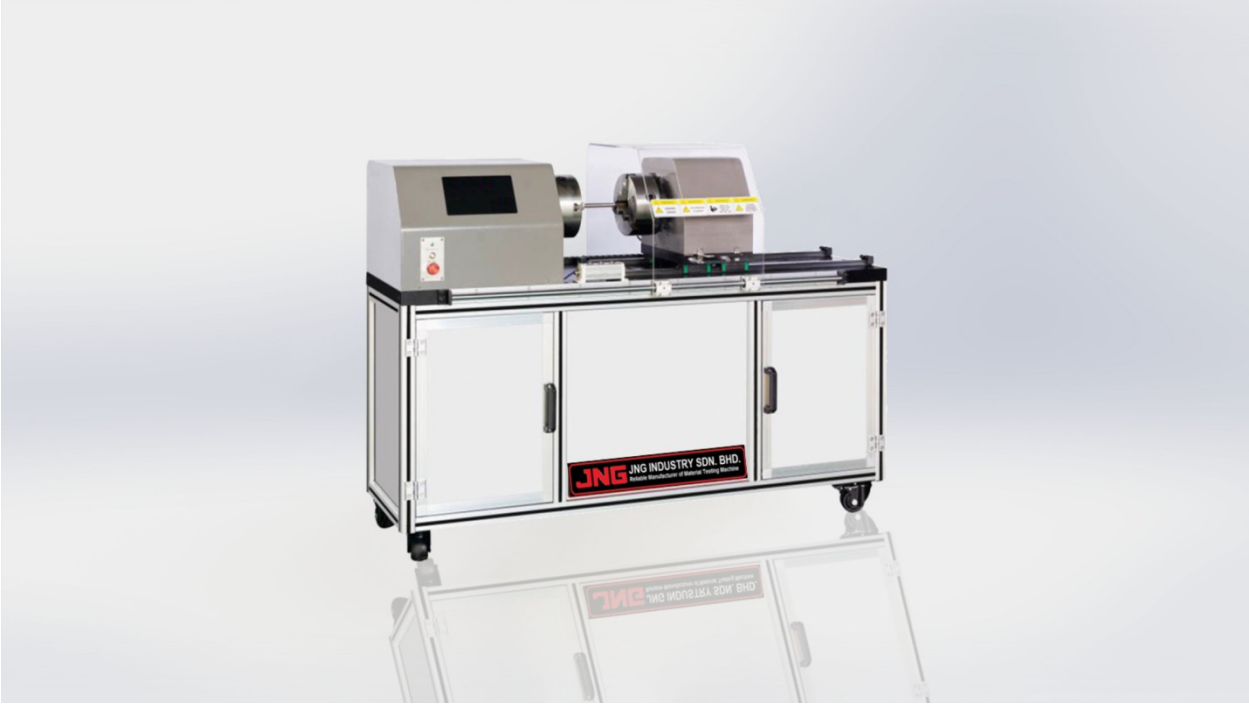
Computer Control Material Torsion / Torque Testing Machine

Brand: JNG

Model: JGNZ-xxx



(Photo for reference only)

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Application

Torque test machines measure the torsion strength, stiffness and stress-strain properties of materials and products which are the ideal solution for biomedical, automotive, and aerospace applications. Torsion testing machines are used to simulate real life service conditions and to check product quality for products such as drill tool bit tips and medical devices, screws and other fasteners, wire, and much more. Get started by deciding if you need a static system or a dynamic fatigue system.

Standard

- ✓ ASTM A938 Torsion Testing of Wire
- ✓ ASTM D7860-14 Torque Retention for Child Resistant Packaging
- ✓ ASTM F543 Metallic Medical Bone Screws
- ✓ ASTM F1717 Spinal Implant Constructs
- ✓ ASTM F2346 Characterization and Fatigue Testing of Spinal Intervertebral Disc Prostheses
- ✓ IEC 888 Zinc Coated Steel Wires
- ✓ ISO 7800 Torsion Testing Wire

Features and Benefits

- ✓ Dual linear slide design offers high-torsional stiffness
- ✓ Interlocked chuck guard protects the operator from the rotating drive during operation
- ✓ Torque is measured directly with a strain gauged torque cell for improved accuracy
- ✓ Comprehensive torsion testing software provides graphical data plots and performs a wide range of calculations on torque and angle data
- ✓ Horizontal tool holder with T-slots on linear displacement, fixable

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Specifications

Model	JGNZ-200	JGNZ-500	JGNZ-1000	JGNZ-2000	JGNZ-3000	JGNZ-5000
Measuring range (Nm)	200	500	1000	2000	3000	5000
Torque Resolution (Nm)	0.02	0.05	0.1	0.2	0.5	0.5
Clearance Between grips (mm)	500					
Torque Resolution	1/500000					
Relative error of Torque	±0.5%					
Torque Effective Test Range (F.S)	0.4%~100%F.S					
Resolution of Torsion Angle	0.002°					
Test Accuracy of Torsion Angle	≤±0.5%					
Torsion Speed	0.01~1500°/min, can be customized					
Relative Error of Torsion Angle	±0.5%					
Protection Function	The tester has overload protection function					
Twist Appendage	Three jaw chuck type, two-way roof tightness					

Standard Accessories

Machine Configuration	Configuration Details	Quantity
Main Frame	Table type horizontal structure * (Main frame material aluminum alloy) Movable cross-bean * (6063 aluminum alloy, CNC precision machining) Linear bearing * Bearing steel AC servo motor, AC servo driver * Taiwan "TECO" Planet-gear speed reducer. "Beto", Japan	1 set 1 set 2 set 1 set
Measurement & control, electrical part	EDCI 50 External measurement & control system HST-Test torsion testing control software Language English Hand-held control box High Precision USA double flange torsion sensor Computer & printer	1 set 1 set 1 1 set 1 set 1 set
Test Fixture	Three jaw chuck	1 set

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