

100 Family Universal Test Machine

Overview

100 Family single column electromechanical test machines are ideal for tension and compression tests at customizable forces up to 4.4 kN (1000 lbf). The actuator and load frame are modular and configured to force, stroke and space requirements, including a compact tabletop design weighing only 50 lb and standing at 3.5 ft tall. As one of the most versatile universal test machines on the market today, it fits virtually all TestResources grips and fixtures.

Features

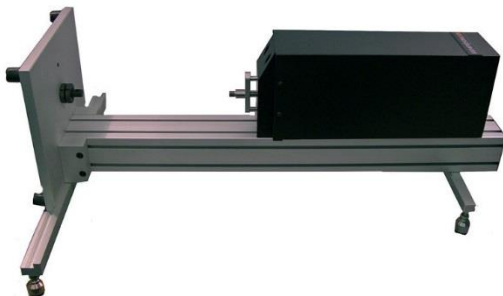
- Tensile, compression, shear, flexural, peel, and tear tests
- Materials and product tests
- Destructive and proof load tests
- Quality control and research applications
- Biomedical Applications
- Choice of three types of Digital Controllers
- High accuracy, high resolution, and high speed data capture
- Closed loop servo control of load, position, and strain channels
- Software options for machine control, data plotting, analysis and data export.



Specifications

Actuators	DG250	DG500	DG1000
Max Force	1.1 kN (250 lbf)	2.2 kN (500 lbf)	4.4 kN (1000 lbf)
Max Speed	760 mm/min (30 ipm)	300 mm/min (12 ipm)	150 mm/min (6 ipm)
Stroke	150 or 300 mm (6 or 12 in)	150 mm (6 in)	150 mm (6 in)

Load Frame	100-36
Max Force	4.4 kN (1000 lbf)
Column Spacing	80 mm (3.1 in)
Daylight	775 mm (31 in)



100 Family Test Machines are popular in both biomedical research and student teaching applications

