

Series 1600 Universal Testing Machine

ATS Series 1600 Universal Testing Machines are the perfect choice for complex or repetitive testing, with the convenience and repeatability of a computer-controlled system. 1600 UTM frames, in capacities up to 300 kN (67,440 lb), are durable and built to last, while ATS' TestVue software serves as an easy to use interface to provide reliable results. No matter the application, ATS UTM's can be used for all of your materials testing needs.

Features

- Durable, long-lasting electromechanical test frame with a dual screw drive system
- Controlled using ATS' versatile, yet user-friendly TestVue software
- Precise motion control system
- Wide variety of accessories available, including grips, test fixtures, furnaces, temperature chambers, load cells, and extensometers
- System features include user-defined test templates, graphical test results, data storage and analysis, and custom report generation
- Large testing area accommodates a variety of specimens
- Independent chrome-plated guide rods provide crosshead guidance
- Safety features include an emergency stop system, overtravel limits, and manually adjusted limit switches
- Our customers have access to our skilled service team, who are trained and able to assist with calibration, technical support, and other service issues



Product Specifications

Load Frame Capacity	Series 1601: 1,000 lbf (4.4 kN) Series 1620: 22,480 lbf (100 kN) Series 1605: 5,000 lbf (22.2 kN) Series 1630: 33,720 lbf (150 kN) Series 1610: 10,000 lbf (44.4 kN) Series 1660: 67,440 lbf (300 kN)
Standard Dimensions	Series 1601: 28 in. W x 19 in. D x 61 in. H Series 1620: 40 in. W x 31 in. D x 91 in. H Series 1605: 31 in. W x 27 in. D x 69 in. H Series 1630: 45 in. W x 32 in. D x 91 in. H Series 1610: 34 in. W x 26 in. D x 63 in. H Series 1660: 54 in. W x 48 in. D x 113 in. H
Frame Type	Dual screw, bench top, or floor standing available
Horizontal Clearance	Series 1601: 12.5 in. (318 mm) Series 1620: 23 in. (585 mm) Series 1605: 18.5 in. (470 mm) Series 1630: 26 in. (660 mm) Series 1610: 18 in. (458 mm) Series 1660: 28 in. (711 mm)
Vertical Clearance	42 in. (1067 mm) standard, excluding grips or fixtures
Speed Range	0.002-20.00 in/min (0.05-500 mm/min)
Load Weighing Accuracy	±1% of indicated load per ASTM E4
Load Cells Available	Up to 67,440 lbs
Power Requirements	115/230 VAC, 1 or 3 phase, 50/60 Hz