



Universal Test Machines

UTMs for Materials Testing

AND

Discover Precision

Precision Testing for Every Material

A&D's broad range of Universal Testing Machines offers versatile solutions with various sizes, load capacities, accuracies, speeds, interfaces, and accessories to fit your exact testing needs. Designed to evaluate metals, plastics, composites, ceramics, textiles, and more, these systems apply controlled tensile, compression, bending, shear, and peeling forces to measure strength, durability, and performance. With reliable, cost-effective designs and high-accuracy sensors, A&D UTMs support R&D, compliance testing, and quality control while enhancing product safety, durability, and reliability.

We **BREAK STUFF** on purpose...

so stuff doesn't break **ON YOU!**



Americas

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RTH Series: TENSILON



- Maximum load capacity of 300kN
- Load measurement accuracy up to $\pm 0.3\%$
- Fast & flexible velocity range of 0.0001 – 1,500mm/min
- Multiple jigs to accommodate a variety of applications
- 7-inch color touchscreen for ease of use.
- Fast return speed of up to 1,650mm/min reduces overall test cycle time
- TACT data processing system available

RTI Series: TENSILON



- Maximum load capacity of 10kN
- Load measurement accuracy up to $\pm 0.5\%$
- Enhanced crosshead velocity range of 0.001 – 1,500mm/min
- Same range of jigs as the RTH
- 7-inch color touchscreen for ease of use.
- Fast return speed of up to 1,650mm/min reduces overall cycle time
- TACT data processing system available

STB Series: Tension/Compression



- Maximum load capacity of 2.5kN
- Load measurement accuracy up to $\pm 0.5\%$
- Crosshead velocity range of 0.05 – 1,000mm/min
- 19 different jigs to accommodate a variety of applications
- Optional 7-inch color touchscreen for ease of use.
- Fast return speed of up to 1,000mm/min reduces overall cycle time
- TACT data processing system available

MCT Series: Force Testers



- Maximum load capacity of 500N
- Load measurement accuracy up to $\pm 0.2\%$
- Crosshead velocity range of 10 – 300mm/min
- Use your own or pick from our selection of 19 different jigs.
- Compact tabletop design 9.84" x 15.94" x 27.56" (W x D x H)
- Return speed of up to 300mm/min.
- Data capture software included

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