

# Dual Column H10-50KT/S Universal Testing Machines

The dual column materials testing machines have frame capacities of 10kN, 25kN and 50kN (2000 lbf, 5,000 lbf and 10,000lbf) and include two model types, the S series and the T series. These machines are designed to test a wide range of materials in tension, compression, flexure, shear and peel. The S and T series use rapid change Z beam loadcells that allow for simple and quick 'sizing' of the machine to an appropriate capacity for the test. These loadcells have an accuracy of 0.5% of the applied load value, from 2% to 100% of the loadcell capacity. The S and T series have a huge assortment of specimen grips and fixtures available, allowing the selection of an ideal grip for your application.

- Load measurement accuracy is +/- 0.5% of applied load from 2% to 100% capacity.
- Extended range down to 1% capacity with accuracy of +/- 1% of indicated load.
- Position measurement accuracy is 0.01% of reading or 0.001mm, whichever is greater.
- Speed accuracy is 0.005% of set speed.
- Speed resolution of 0.001 mm/min.
- Operating temperature range is 32 to 100 degrees F (0 to 38 degrees C).
- Storage temperature range is 14 to 115 degrees F (-10 to 45 degrees C).
- Humidity range is 10% to 90% non-condensing, web bulb method.
- Standard optional voltages 220/240VAC, 50-60 Hz, 2000W.
- Power must be free of spikes and surges exceeding 10% of the nominal voltage.
- PC control via high speed RS232 using ASCII mode and super high speed binary mode.
- 32 bit precision motor controller.
- Machines are proof loaded to 200% of capacity.
- Force accuracy of 0.5% of applied load across the loadcell display range.
- Displacement resolution of 0.0001mm (T series in binary mode).
- Built-in intelligent active force and displacement alarm system.
- 150% mechanical overload capacity on each loadcell.
- 20% digital load tare while maintaining full load cell capacity.
- Automatic motor drive alarms that monitor over/under voltage, current and temperature.

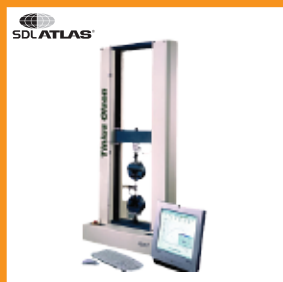
Specifications	H10KS	H25KS	H50KT
Weight	115 kg	120 kg	140 kg
Dimensions	1600x650x450 mm (WxDxH)	1600x650x450 mm (WxDxH)	1613x720x500 mm (WxDxH)
Tank Dimensions	No Standards	No Standards	No Standards



H10KS



H25KS



H50KT