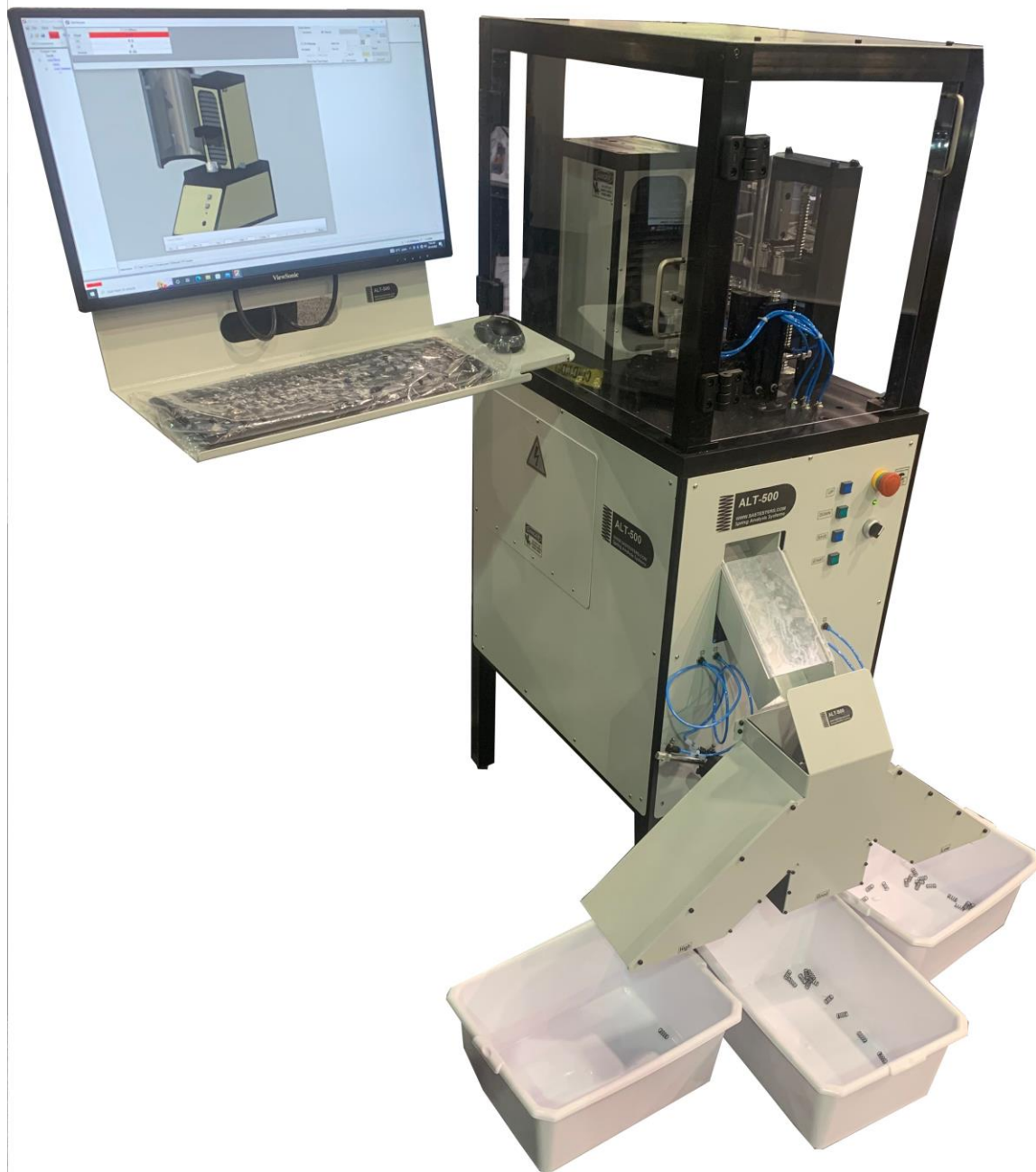


ALT-500



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Specifications

Tester Load	<ul style="list-style-type: none"> <input type="checkbox"/> Load Capacity 500N (112.0lbf) <input type="checkbox"/> Load Resolution 0.01N (0.0022lbf) <input type="checkbox"/> Recommended minimum load: 4N (0.9lbf) * <input type="checkbox"/> Load Accuracy $\pm 0.0125N$ (0.0028lbf) at 2.5N (0.56lbf) and better than $\pm 2.5N$ ($\pm 0.56lbf$) at 500N (112.5lbf) (Better Than ISO 7500/1 Class 0.5) <input type="checkbox"/> Continuous digital display or Force/Load height graphical analysis tools and display <input type="checkbox"/> Safe overload to 150% of FS (compression and tension overload protection at 100% of FS load) 	
Tester Stroke	<ul style="list-style-type: none"> <input type="checkbox"/> Maximum Spring Frelength 80mm (3.14") (Setting and sorting restrictions limit Frelength <input type="checkbox"/> Stroke 200mm (8") Standard <input type="checkbox"/> Resolution: 0.25micron (0.00001") for High Resolution Models, - Standard <input type="checkbox"/> Accuracy: better than 0.01mm (0.0004") – Available with independent Calibration for High Resolution Models <input type="checkbox"/> Absolute display of load height above a user defined fixed reference. 	
Tester Platten Diameter	<ul style="list-style-type: none"> <input type="checkbox"/> 50mm (2.0") <input type="checkbox"/> Max Spring Diameter 28mm (1.10") Turntable and loading restrictions limit spring OD 	
System Computer	<ul style="list-style-type: none"> <input type="checkbox"/> Intel dual Core (minimum) processor <input type="checkbox"/> Built-In PC. <input type="checkbox"/> Fully Microsoft Windows Win11 Pro compatible 	<p>Display 23" Touch Screen Built – In Monitor.</p>
Software Languages	<ul style="list-style-type: none"> <input type="checkbox"/> English, German, French and Spanish 	
Software Features	<ul style="list-style-type: none"> <input type="checkbox"/> Programmable for automated testing, Includes frelength, initial tension and spring rate results. Solid Height detection included. <input type="checkbox"/> Over 200 programmable test points available <input type="checkbox"/> Full reporting and printing capability available. <input type="checkbox"/> On-Line and off-line SPC control charts and Cpk capability testing available. <input type="checkbox"/> Smart self calibration routines 	
Units	<ul style="list-style-type: none"> <input type="checkbox"/> N, kgf, gf, ozf, lbf – mm, inches 	
Tester Crosshead Test speeds	<ul style="list-style-type: none"> <input type="checkbox"/> 1.5mm/s – 125mm/s (3.5"/min – 294"/min) 	
TurnTable	<ul style="list-style-type: none"> <input type="checkbox"/> 12 Turntable Stations Including: <input type="checkbox"/> Loading Station <input type="checkbox"/> 3 Setting Stations <input type="checkbox"/> 1 Test Station <input type="checkbox"/> 1 unloading/ Sorter Station 	
Setting	<ul style="list-style-type: none"> <input type="checkbox"/> Pneumatic Setting or Servo Setting (Option) <input type="checkbox"/> 2500N (550lbf) Maximum Setting Capacity <input type="checkbox"/> Can be mechanically divided into 3 setting stations. (for 3 setting stations, each station capacity up to 1666N) <input type="checkbox"/> 200mm (8") setting stroke <input type="checkbox"/> Number of setting actions—programmable <input type="checkbox"/> Mechanical lower stopper to setup setting height if required <input type="checkbox"/> Mechanical upper stop to reduce set times for different spring sizes 	
Sorting	<ul style="list-style-type: none"> <input type="checkbox"/> Programmable 3 way sorting for one test parameter <input type="checkbox"/> Programmable 2 way sorting for multiple test parameters 	
Loading	<ul style="list-style-type: none"> <input type="checkbox"/> Manual loading <input type="checkbox"/> Optional automatic loading mechanism available that can be connected to bowlfeeders 	
Power	<ul style="list-style-type: none"> <input type="checkbox"/> 110V~220V AC 4.5A (Maximum) 	
Testing Speeds / Part Throughput	<ul style="list-style-type: none"> <input type="checkbox"/> Depends on part frelength, required test stroke, number of required test parameters <input type="checkbox"/> For example: 1 test parameter with a 10mm test stroke, ---Approximately 4000 springs per hour can be teste 	

