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# CT-10000

## Tension and Compression spring analyzer

- ❑ 0.4-10000N Servo driven, PC controlled programmable spring tester
- ❑  $\Phi 200$  mm Testing platen
- ❑ 400mm Standard Stroke, Strokes up to 1000mm available
- ❑ Unique spring design module integrated with the system test results to enhance coiler setup efficiency and facilitate spring re-engineering, (optional).
- ❑ Excellent R+R performance
- ❑ Optional SPC control charts, capabilities tests and detailed report creation software
- ❑ Programmable for automated testing with spring test setups stored in files for quick recall and test
- ❑ Includes automatic Self Calibration Routines
- ❑ Fully Microsoft Windows, 2000, ME and XP compatible.



877-7273676 Toll Free USA  
269-6793557 International  
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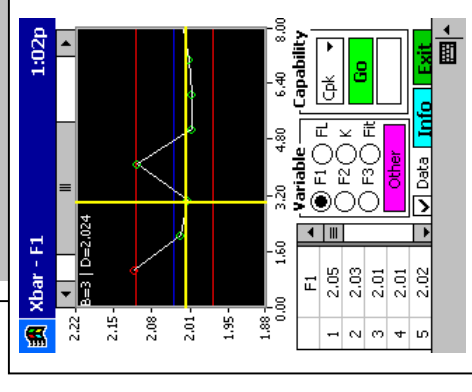
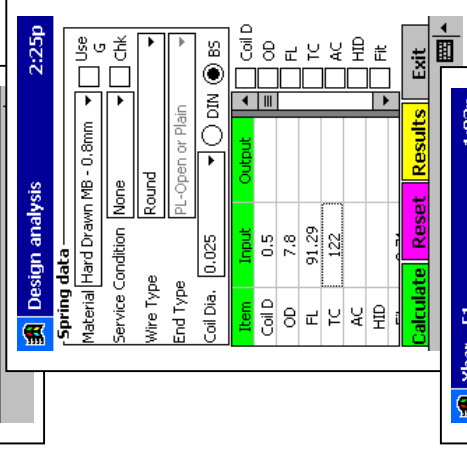
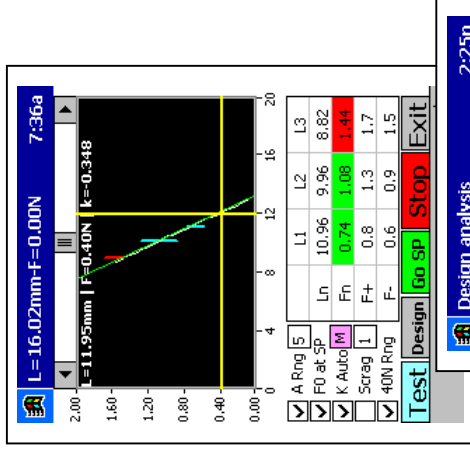


# Specifications

## Compression

## Tension

<b>Load</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 1000N (2240lbf), standard load range, resolution – 0.4N (0.09lbf)</li> <li><input type="checkbox"/> Optional 2000N (450lbf) load range, resolution – 0.08N (0.02lbf)</li> <li><input type="checkbox"/> Continuous digital display or Force/Load height graphical analysis tools and display</li> <li><input type="checkbox"/> Accuracy: ±1.5N (to 10000N) and ±0.4N (to 2000N)</li> <li><input type="checkbox"/> Safe overload to 150% of FS (compression and tension overload protection at 100% of FS load)</li> </ul>
<b>Stroke</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 400mm (16”) Standard</li> <li><input type="checkbox"/> Up to 1000mm available</li> </ul>
<b>Fixtures</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 400mm (16”) Standard</li> <li><input type="checkbox"/> Up to 1000 mm available</li> <li><input type="checkbox"/> Standard flat Φ200 mm top/bottom</li> <li><input type="checkbox"/> compression testing surfaces</li> <li><input type="checkbox"/> open or closed loop tension springs</li> <li><input type="checkbox"/> Optional fixtures for bucking springs</li> <li><input type="checkbox"/> Optional additional pins</li> </ul>
<b>Displacement</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Resolution: 0.01mm (0.0004”) (Standard Stroke). 1000mm stroke available</li> <li><input type="checkbox"/> Accuracy: ±0.02mm (±0.0008”) (Standard Stroke).</li> <li><input type="checkbox"/> Absolute display of load height above a user defined fixed reference.</li> </ul>
<b>Free Length</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 400mm (16”) Maximum -Standard</li> <li><input type="checkbox"/> Within 400mm (16”) -Standard</li> <li><input type="checkbox"/> Automatically determined</li> <li><input type="checkbox"/> Automatically determined</li> </ul>
<b>OD</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 200mm (7.9”) Maximum</li> </ul>
<b>Spring rate</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Automatic or manual determination of spring rate (linear analysis), option for characterization of non-linear rates (e.g. conical springs)</li> </ul>
<b>Initial tension</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> NA</li> <li><input type="checkbox"/> Automatic detection of tension</li> <li><input type="checkbox"/> spring initial tension.</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 17” Color monitor.</li> </ul>
<b>Computer</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Pentium processor</li> </ul>
<b>Languages</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Fully Microsoft Windows 2000 and XP compatible</li> <li><input type="checkbox"/> English, German, French and Spanish</li> </ul>
<b>Software</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Programmable for automated testing, Includes freelength, initial tension and spring rate results. Solid Height detection included.</li> <li><input type="checkbox"/> Full reporting and printing capability available.</li> <li><input type="checkbox"/> On-line and off-line SPC control charts and Cpk capability testing available.</li> <li><input type="checkbox"/> Design and reverse engineering algorithms</li> <li><input type="checkbox"/> Smart self calibration routines</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> N, kgf, gf, ozf, lbf – mm, inches</li> <li><input type="checkbox"/> 1.5mm/s – 15mm/s (3.5”/min – 35.5”/min)</li> <li><input type="checkbox"/> 110V~220V AC 10A (Maximum)</li> </ul>
<b>Units</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 640mmx622mmx870mm (25.”x 24.5” x 34.3”) - LxBxH -Standard</li> <li><input type="checkbox"/> Weight 120kg (264lbs) Standard</li> </ul>
<b>Test speeds</b>	
<b>Power</b>	
<b>Dimensions</b>	



Full function spring design, analysis and SPC in real-time