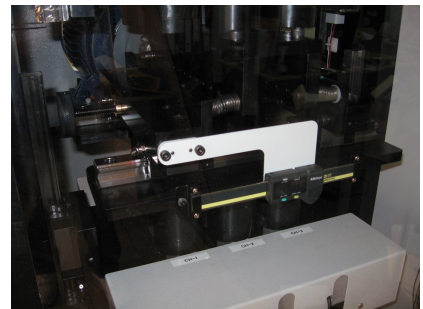


# LST Series Fatigue testers

- ❑ 6 channel digital load cycle reduction.
- ❑ Maximum combined loads up to 5000N (1124lbf) – 800N (180lbf) per channel.
- ❑ Standard compression spring OD's up to 55mm (2.16"). Optional 3 channel stations for OD's up to 100mm (4").
- ❑ Maximum adjustable compression spring free length up to 200mm (8").
- ❑ Maximum cycle rates up to 20Hz.
- ❑ Precise cycle count per channel and programmable to stop when one spring fails, all springs failed, or after a set time period.
- ❑ Precise cycle stroke and base heights can be set using integrated linear height gauges integrated into the PC control software.
- ❑ Load amplitude data is recorded per cycle and cycle gaps for spring relaxation evaluation.
- ❑ Specialized fittings available for testing Compressor springs and tension springs.
- ❑ Ideal for unattended fatigue testing.



LST5000-PC shown with control cabinet and 6 load cell stations



Optional specialized attachment for compressor spring testing



	<b>SPECIFICATIONS</b>			
	<b>LST1200</b>	<b>LST1200-PC</b>	<b>LST5000</b>	<b>LST5000-PC</b>
<b>Number of test stations</b>	6	6	6	6
<b>Maximum total load N (lbf)</b>	1200 (270)	1200 (270)	5000 (1124)	5000 (1124)
<b>Maximum load per channel N (lbf)</b>	300 (68)	300 (68)	800 (180)	800 (180)
<b>Maximum compression spring OD mm (in)</b>	55 (2.16)	55 (2.16)	55 (2.16)	55 (2.16)
<b>Maximum adjustable compression spring free length mm (in)</b>	200 (4)	200 (4)	200 (4)	200 (4)
<b>Maximum speed standard (Hz)*</b>	10	10	10	10
<b>Optional speed upgrade (Hz)*</b>	20	20	20	20
<b>Maximum stroke mm (in)</b>	60 (2.36)	60 (2.36)	60 (2.36)	60 (2.36)
<b>Fatigue cycle count and stop when count reached</b>	√	√	√	√
<b>Programmable stop when one spring, all springs fail, after time period</b>		√		√
<b>Programs per spring type stored for easy recall and setup</b>		√		√
<b>Stroke and base height shown on monitor</b>		√		√
<b>Fatigue loads recorded per cycle and gap cycles</b>		√		√
<b>Load recorded for relaxation evaluation</b>		√		√
<b>Optional tension spring attachments per spring type</b>	√	√	√	√
<b>Optional compressor spring attachment (max 30 springs with 15mm (0.6") maxOD, 50mm (2") max free length)</b>			√	√
<b>Intel Dual core 2 PC, 17" LCD monitor, Windows XP Home or Vista Basic</b>			√	√
<b>L x B x H mm (in), excluding control cabinet</b>	500x700x1800 20x28x71	500x700x1800 20x28x71	600x700x1800 24x28x71	600x700x1800 24x28x71
<b>Weight kg (lb)</b>	400 (880)	400 (880)	500 (1100)	500 (1100)
<b>Supply</b>	380V 3PH max 7A	380V 3PH max 7A	380V 3PH max 7A	380V 3PH max 7A

\* Load and stroke derating applies

**Available Exclusively From**



Email:  
[info@formingsystemsinc.com](mailto:info@formingsystemsinc.com)  
 Tel: +269-679-3557  
 Fax: +269-679-3567