INSTRON®

The difference is measurable®

Curved Needle Testing System

The Instron® Needle Testing System is ideally suited for needles used in abdominal, fistula, vascular, intestinal, or other surgical procedures. This system provides two different needle testing solutions: one for curved needle puncture testing and one for bend testing. The curved needle puncture testing fixture is used to evaluate needle sharpness and insertion force, while the needle bend testing fixture is used to evaluate flexural properties of the needle during use. With its tabletop design, the Curved Needle Testing System has a small footprint and takes up minimal benchtop space. The testing system operates with Instron Bluehill® 3 Software that provides test control, data acquisition, test results, and reports, as well as a large library of calculations.

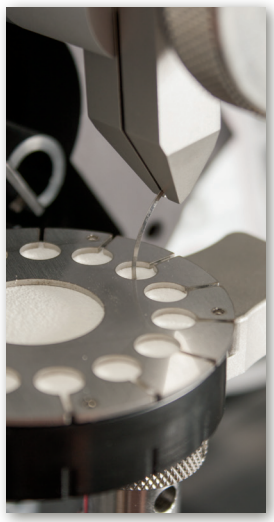
The Instron Advantage

- Compact design easily fits on laboratory benches
- Dedicated rotational testing system for testing curved needles
- Supported by Instron local service
  - IQ/OQ documentation available for all systems
- Uses familiar 5900 Controller and Bluehill Software
  - Ease of operation
  - Reduced operator training
  - Compatible with Bluehill's large library of calculations

Features and Specifications

Frame Model Options

Maximum Angular Displacement	°	140
Angular Displacement Resolution	°	0.015
Minimum Angular Velocity	°/sec	0.06
Maximum Angular Velocity	°/sec	100
Needle Size Range (radius)		R2.44 – R32.3
Needle Gauge Range	mm	0.44 – 1.13
Electrical Requirements		Single Phase, 47/63 Hz 120 or 220 VAC
Operating Temperature	°C °F	+10 to 38 +50 to 150



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