INSTRON®

The difference is measurable®

CURVED NEEDLE TESTING SYSTEM

6800 Series

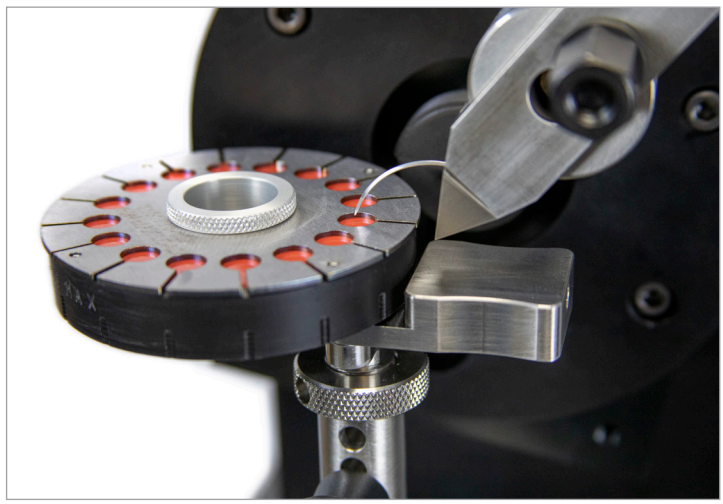
The Instron® Curved Needle Testing System is ideally suited for testing needles used in wound closure or surgical procedures. This system provides a platform for two different needle testing solutions: one for curved needle puncture testing to ASTM F3014 and the other for cantilever bend testing. The curved needle puncture testing fixture is used to evaluate needle sharpness and coating durability, 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 bench-top space. The testing system operates with Bluehill® Universal software that provides test control, data acquisition, test results, and reports, as well as a large library of calculations.

The Instron Advantage

- Dedicated rotational testing system for testing curved needles
- Compact design easily fits on laboratory benches
- Supported by Instron local service
  - IQ/OQ documentation available for all systems
- Uses 6800 Controller and Bluehill Universal software
  - Ease of operation
  - Reduced operator training
  - Compatible with Bluehill's large library of calculations

Features and Specifications

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 100



www.instron.com

INSTRON®

Worldwide Headquarters
825 University Ave, Norwood, MA 02062-2643, USA
Tel: +1 800 564 8378 or +1 781 575 5000

European Headquarters
Coronation Road, High Wycombe, Bucks HP12 3SY, UK
Tel: +44 1494 464646