



3300 Series | Affordable Testing Solutions



3300 Series

Affordable
Testing
Solutions

INSTRON

3367



Make an Informed Decision

With more than 50 years experience in the materials and component testing industry, Instron® understands your testing needs and can provide affordable solutions for a broad range of your testing challenges, while assisting you through the decision process. The following pages are designed to guide you through the four critical questions most of our customers ask. Other questions? We will help you find those answers as well. Just ask.

4

Can Instron provide a test solution for my application?

The first and most important question.

8

How can testing be more efficient?

Features have been carefully designed with one goal: to speed up testing to get your product out of the door faster and at a high quality.

10

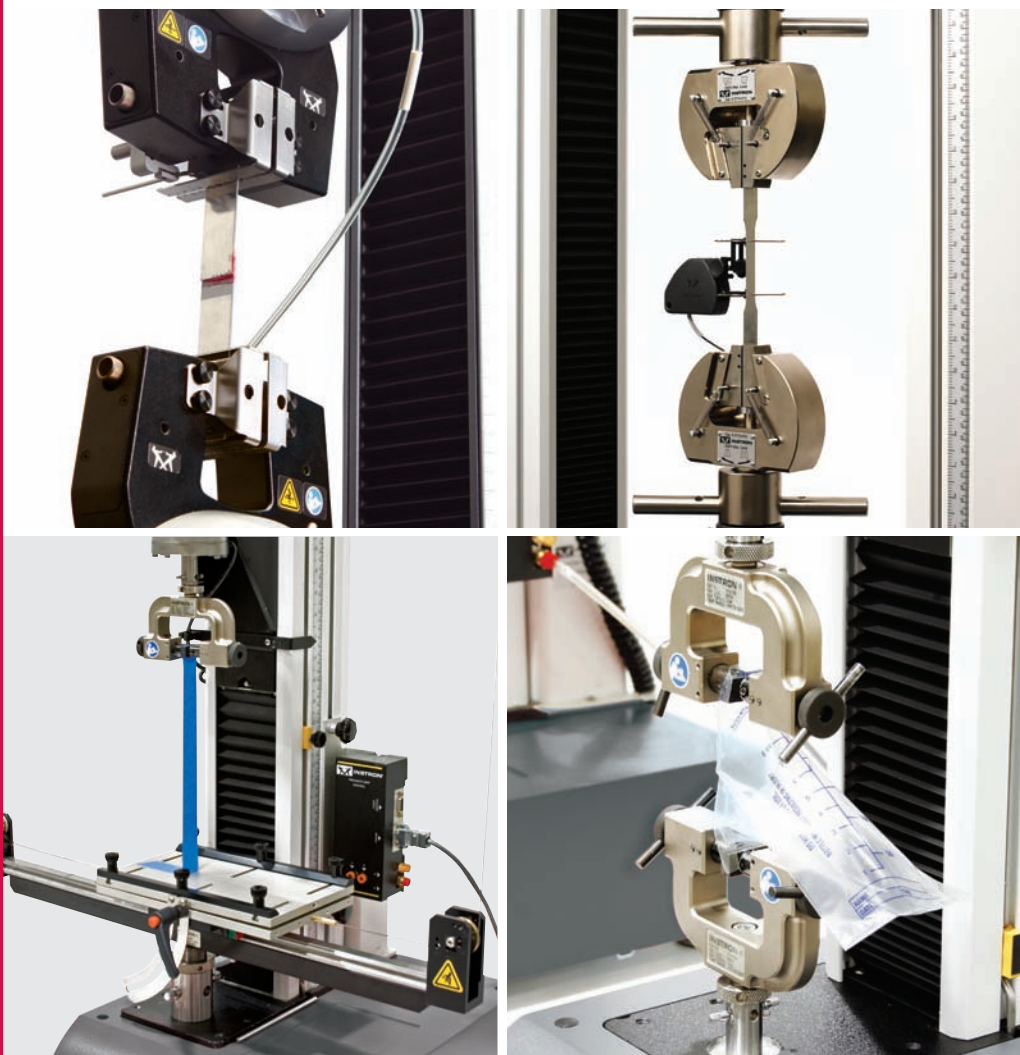
How can I be confident my results are accurate and reproducible?

The difference is measurable and it's in the details – quality of engineering, and manufacturability of the system.

12

What can I expect regarding service and support?

Services and support aim to exceed your expectations.



50 kN



Solutions for Your Test

Instron® offers a wide variety of solutions to fit your test requirements in almost any application or industry: plastics, metals, biomedical, composites, elastomers, components, automotive, aerospace, textiles, and more.

For more up-to-date information on your specific application, visit Testing Solutions at www.instron.com.



100 kN

Choose a load frame based on the size of your specimen and its maximum load capacity.



5 kN

500 N

Choose the Accessories that Fit Your Application

Grips, Fixtures, Extensometry, and Environmental



10 kN
Compression Platens



1 kN
Cord & Yarn Grips



5 kN
Flex Fixture



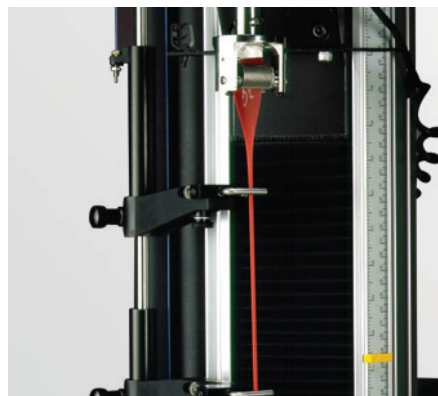
1 kN
Pneumatic Grips



2 kN
Screw Action Grips



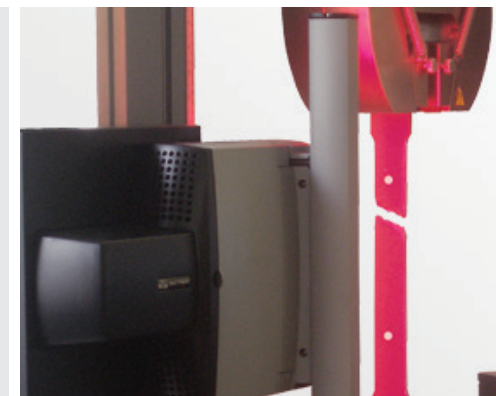
Clip-On Extensometer



Long Travel Extensometer



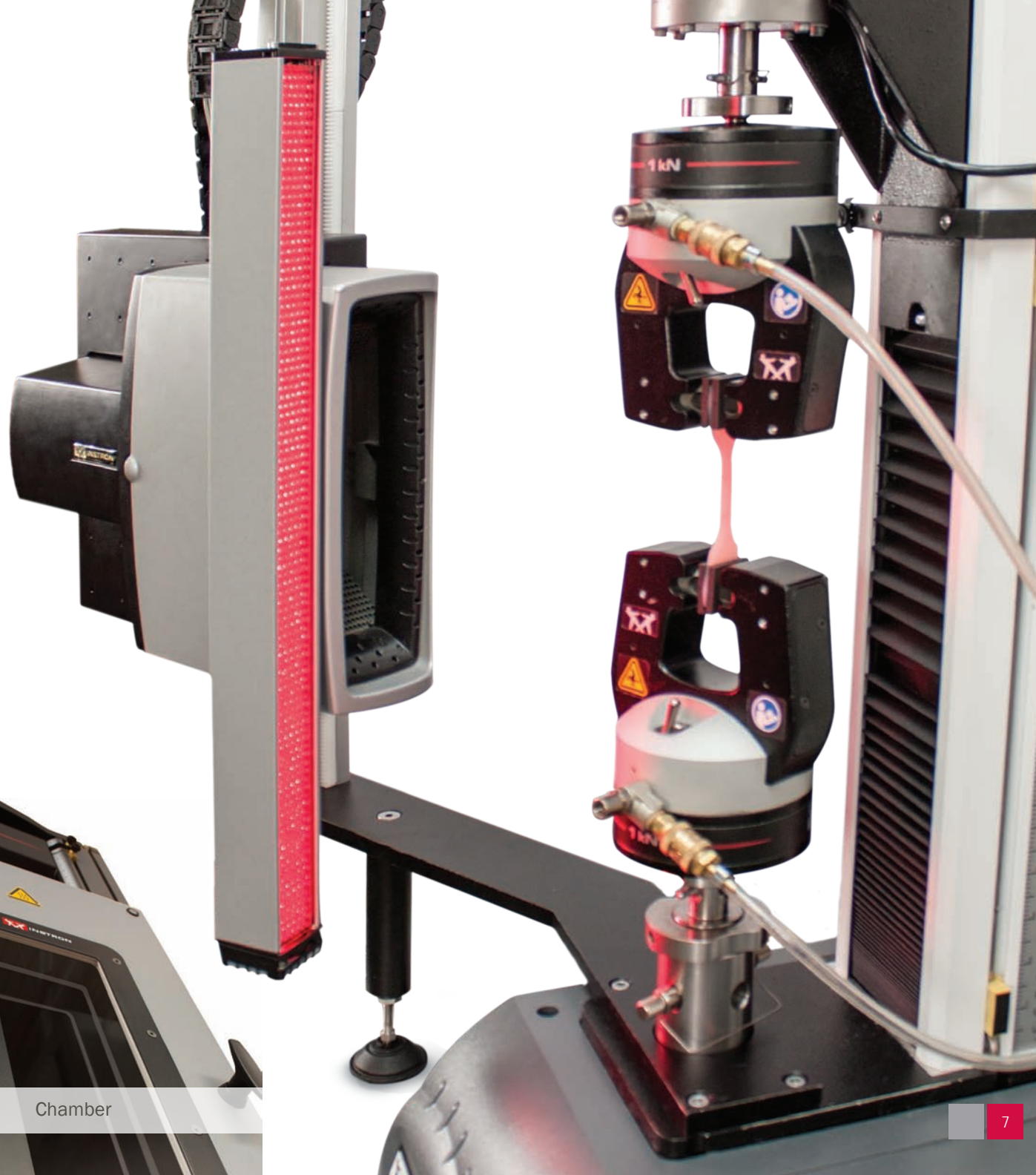
Deflectometer Extensometer



Video Extensometer



50 kN
Wedge Grips



Temperature-Controlled Bath



Chamber

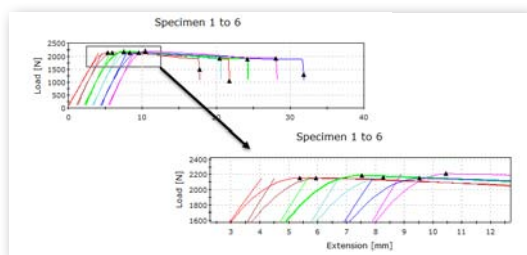
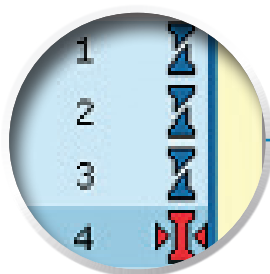
Efficient Workflows

Status Console – Designed for Simplicity and Safety

Located conveniently above the operator's workspace is the intuitive Bluehill® LE status console. The console's live display of the system's load, extension, strain, and time provides immediate feedback on the current test status. The console is user configurable and allows for a wide variety of tasks including calibration and balance, setting limits, setting periodic reminders for calibration, and flagging load drifts more than a specified amount.

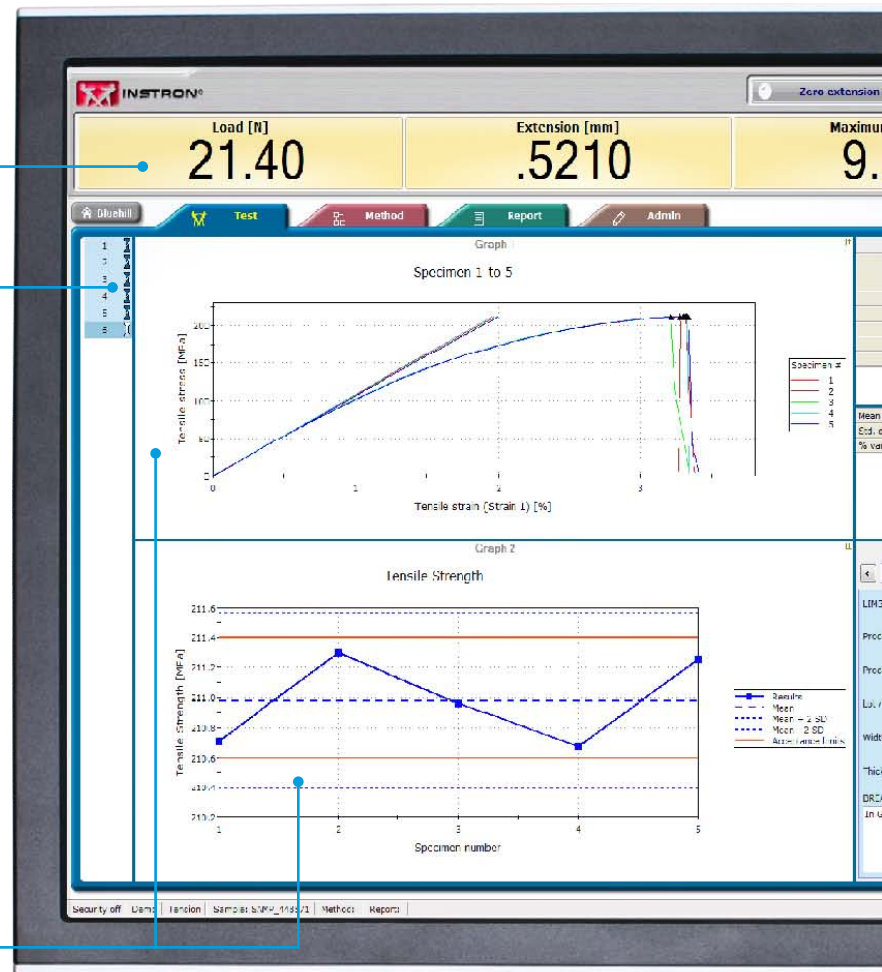
Specimen Selector

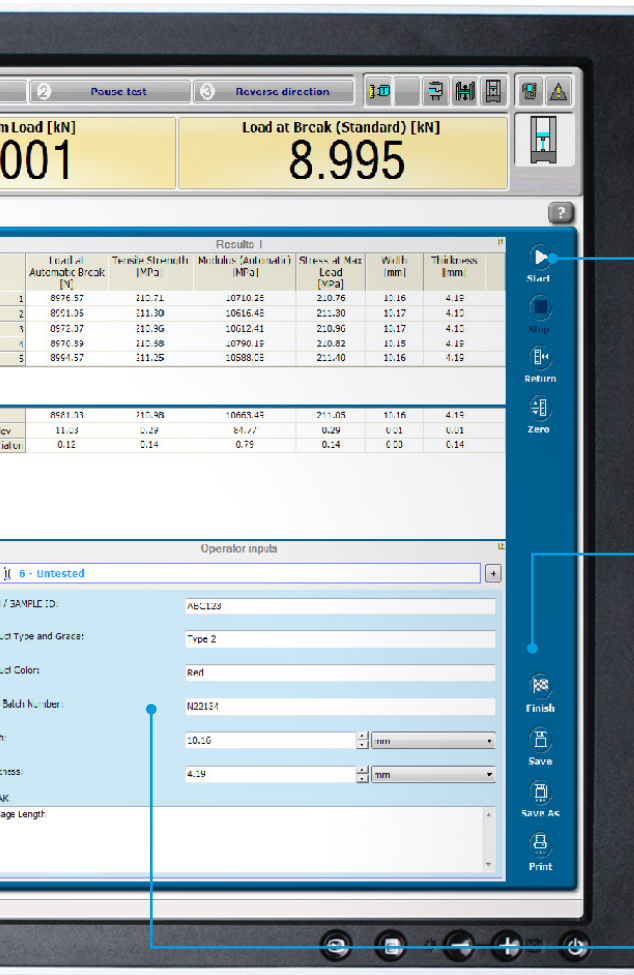
The Specimen Selector is a unique feature to view and manage your tests quickly and easily. Click on any specimen to simultaneously view the graph, results, test inputs, and status with options to exclude or delete.



Graphs and Control chart

Graphs of load and extension data can be setup with markers to indicate key points like yield, break, and multiple peaks. Quality control becomes easy when the key metrics are displayed on a control chart.



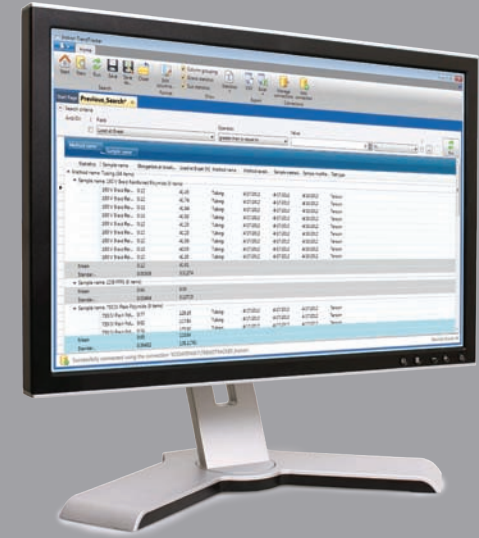


One Double Click to Test
Arrange frequently used methods on your desktop and simply double click on the required test method.

Automatic Data export
Depending on your workflow needs you can setup destinations for the test data: ASCII files, PDF reports, and Instron® TrendTracker™ database.

Test Inputs
Capture key test information like specimen dimensions and barcode IDs directly from the devices without manual data entry.

What if I Need to Analyze my Data?



Data at your fingertips

Imagine all your Bluehill test results in one robust and scalable database available to answer your questions in seconds. You don't have to worry about the first step in Quality control: data gathering.

New gateway to Bluehill® results

The TrendTracker Viewer provides an intuitive interface to search, display, and analyze results over time, and across multiple samples and test frames. No more file searching and copy-paste. The search results can also be opened in Excel in one click and exported to file formats that can be easily accessed from statistical packages like Minitab. The TrendTracker Viewer also makes the data accessible to appropriate audiences across your company from their own PC.



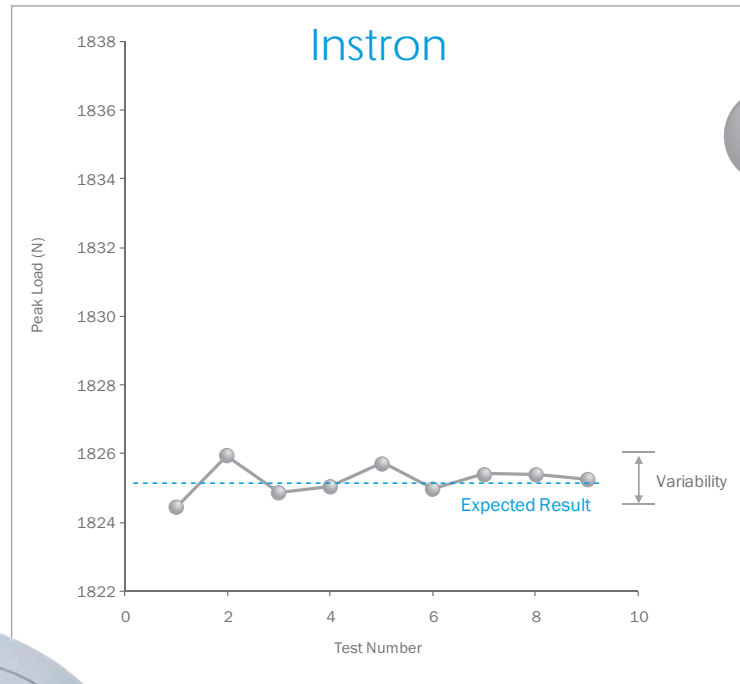
Be Confident in Your Results

Head-to-head comparison reveals the Instron® difference — notice the difference in variability of measured peak load between the two machines. This is the kind of measurable difference that sets Instron apart.

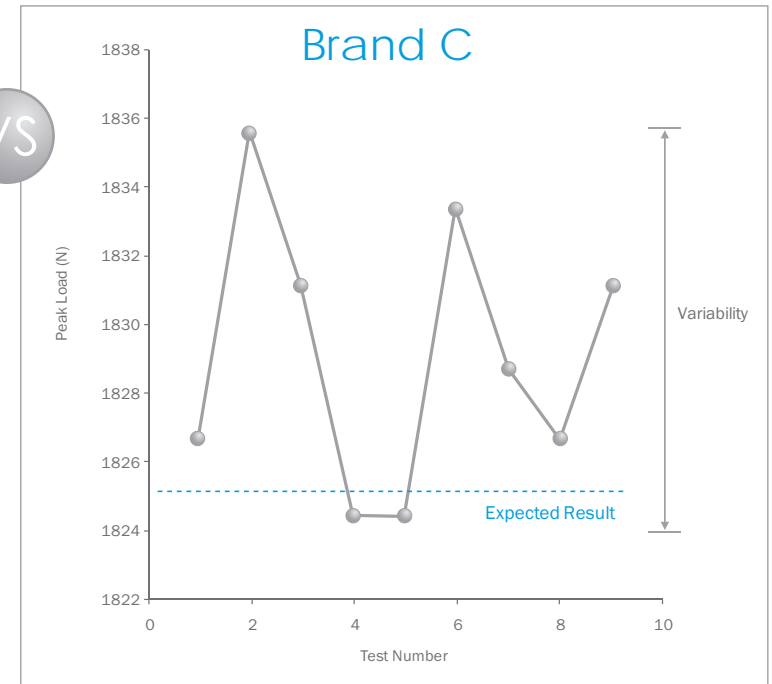
Case Study

- Same operator
- Same specimen:
Coil spring
- Same test conditions:
Compression test
- Different machines:
Instron vs. Brand C

*Reference paper available upon request or you can visit the literature section of www.instron.com



VS



Why does better repeatability and reproducibility matter to you?

- More parts pass your acceptance criteria, less parts rejected
- Long-term cost savings
- Increased ability to meet delivery expectations
- Less time spent trouble-shooting data problems
- Strengthening of your testing lab's reputation
- More parts ship, increasing your bottom line

Attention to Detail

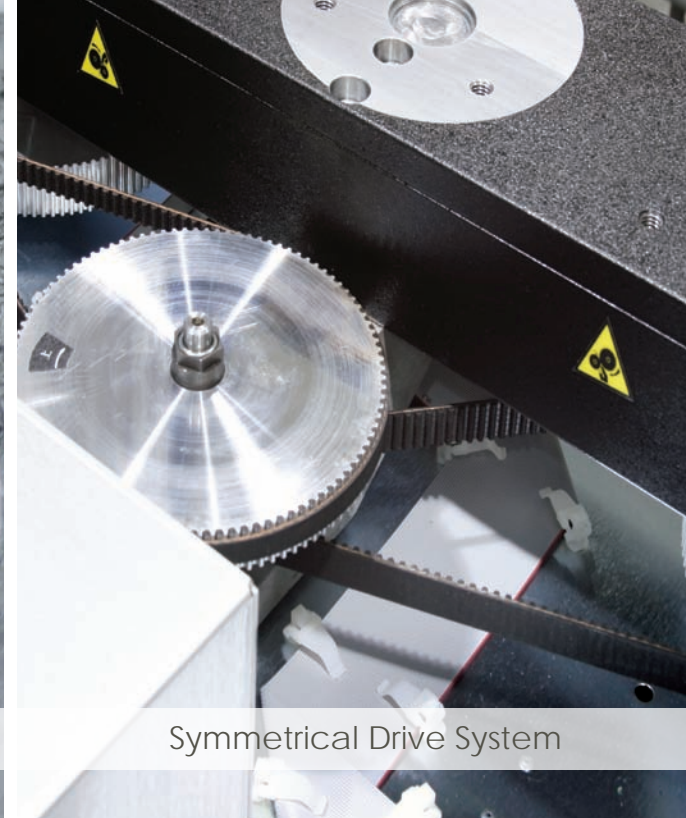
Our attention to every element of the system is what separates Instron® from other testing equipment suppliers, and allows us to confidently report the accuracy, repeatability, and reproducibility of our results.



Built-In Overload Protection



Concentricity Ring and Alignment Pins



Symmetrical Drive System

Transducer Measurement

Verification by factory-trained field service engineers, auto calibration, auto self ID, built-in overload protection

Operating Procedure

Prompted methods, automated actions, real-time graphics, system and software training performed at every install, training tutorial CD

Load-string Alignment

Precision concentricity ring and alignment pins for base adapter and load cell, self-aligning grips, optional specimen centering device

Machine Integrity

Preloaded ballscrews, precision guidance columns, symmetrical drive system, on-board diagnostics/real-time error checking, ISO 9001 accredited

Support for the Life of Your Equipment

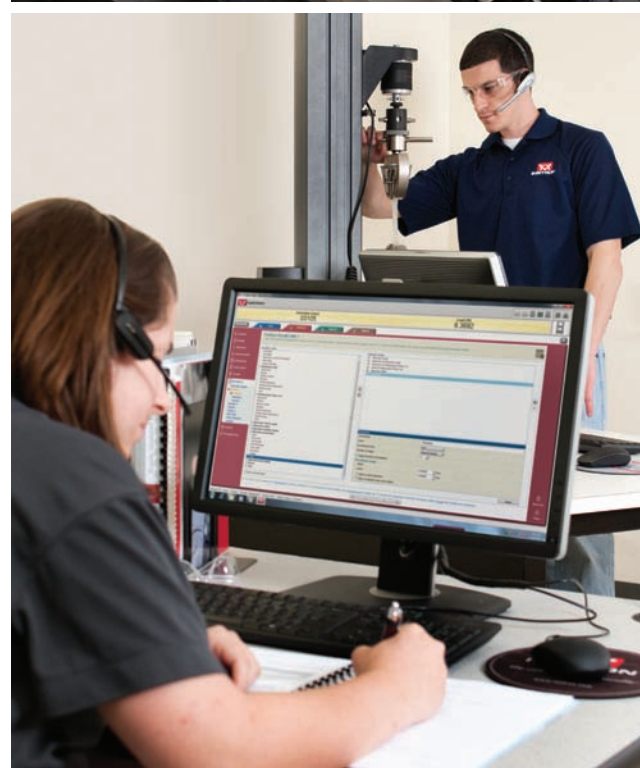
Instron® is the largest supplier of materials testing machines in the world. Our reliable testing systems can run 24 hours a day, 7 days a week, 365 days of the year. However, if something does go wrong, or you have a question, we offer a variety of resources to ensure you receive assistance.

We build more than testing systems, we build relationships.

Instron's world-class service organization is committed to delivering high-quality calibration, training, preventative maintenance, and technical support throughout the life of your system.

Instron application laboratories are located worldwide (Norwood, MA - Global Headquarters featured below)





You can count on us

- Represented in more than 160 countries, speaking 40 different languages
- Global support provided by more than 250 factory-trained Service Engineers
- ISO 17025 accredited on-site and laboratory calibration and verification services are offered throughout Europe, North America, Brazil, Australia, China, Japan, Korea, Singapore, India, Thailand, and Taiwan



We are only a phone call away

- Technical support hotline accessible anywhere in the world
- Expert consultants provide tailored solutions to meet your testing needs
- Preventative Maintenance, calibration & verification services, repair, system refurbishment & updates, re-location services, training, and parts



Resources at your fingertips • www.instron.com

- Our *Testing Solutions* section provides answers to your most current testing challenges
- Access to our complete online Accessories catalog



Stay at the forefront of materials science

- Utilize the expertise of our Applications Engineering Laboratory or Custom Engineered Solutions Group for the latest technological advances in materials testing
- Our state-of-the-art Calibration Laboratories and on-site service delivery teams offer a comprehensive range of accredited calibration and verification services complying with ASTM, ISO, and Nadcap standards: Force, Speed, Strain (extensometers), Displacement, Impact, Temperature, Torque, Creep, Strain Gauge Channel, Hardness, and Alignment.
- Verification of CEAST instruments is available.

“On the Instron, more product passes our failure analysis testing. That means less time spent testing, less product wasted, and on-time delivery to our customers.”

■ John

Instron® customer for 25 years



3300 Series Specifications



	Load Capacity			Maximum Speed		Return Speed		Crosshead Travel		Vertical Test Space*		Column Spacing		Dimensions (h × w × d)		Weight	
	kN	kgf	lbf	mm/min	in/min	mm/min	in/min	mm	in	mm	in	mm	in	mm	in	kg	lb

Single Column Tabletop Models

3342	0.5	50	112.5	1,000	40	1,500	60	482	19	651	25.6	100	3.9	900 × 382 × 500	35.4 × 15 × 19.7	38	83
3343	1	100	225	1,000	40	1,500	60	898	35.4	1,067	42	100	3.9	1,300 × 382 × 500	51.2 × 15 × 19.7	42	94
3344	2	200	450	1,000	40	1,500	60	898	35.4	1,067	42	100	3.9	1,300 × 382 × 500	51.2 × 15 × 19.7	42	94
3345	5	500	1,125	1,000	40	1,000	40	885◆	34.8	1,123□	44.2	100	3.9	1,358● × 382 × 500	53.5 × 15 × 19.7	51◇	112

Dual Column Tabletop Models



3365	5	500	1,125	1,000	40	1,200	48	1,122	44.2	1,193	47	420	16.5	1,582 × 756 × 707	62.3 × 29.8 × 27.8	110	242
3366	10	1,000	2,250	500	20	600	24	1,122	44.2	1,193	47	420	16.5	1,582 × 756 × 707	62.3 × 29.8 × 27.8	110	242
3367	30	3,000	6,750	500	20	600	24	1,122	44.2	1,193	47	420	16.5	1,582 × 756 × 707	62.3 × 29.8 × 27.8	121	266
3369	50	5,000	11,250	500	20	500	20	1,122	44.2	1,193	47	420	16.5	1,582 × 756 × 707	62.3 × 29.8 × 27.8	141	312

Dual Column Floor Model



3382	100	10,000	22,500	500	20	600	24	1,235	48.5	1,323	51.3	575	22.6	2,393 × 1,124 × 779	94.2 × 44.3 × 30.7	766	1,690
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Common Specifications

Load Measurement Accuracy: ±0.5% of reading down to 1/200 of load cell capacity. Meets or exceeds ASTM E4, ISO 7500/1, EN 10002-2, and IS B7721.

Strain Accuracy: Meets or surpasses the following standards: ASTM E83, ISO 9513, and EN 10002-4

*Total vertical test space is the distance from the top surface of the base platen to the bottom surface of the moving crosshead, excluding load cell, grips, and fixtures.

◆ 1135 mm (44.7 in) □ 1383 mm (54.4 in) ● 1628 mm (64.1 in) ◇ 57 kg (126 lb) with extra high

Americas

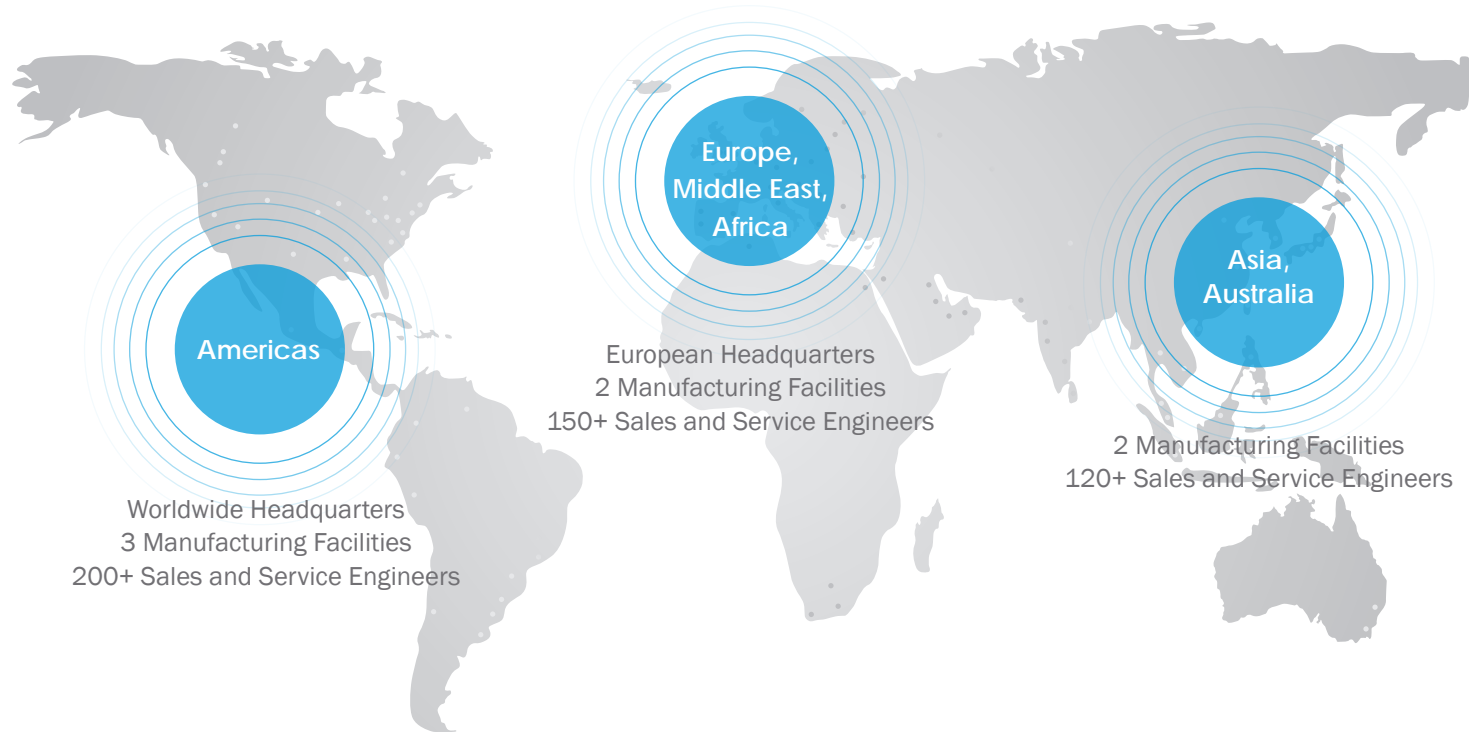
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For additional country contacts visit go.instron.com/locations

Global Support that is Local to You

Operating with 25 offices in 18 countries and with more than 1200 employees, we have a global infrastructure that is local to you, and remain committed to advancing material and component testing techniques.

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