

Bluehill® 3 Testing Software | Composites Application Module

The Bluehill 3 Composites Application Module provides a comprehensive platform for measurement, test control, and report creation for testing a wide variety of composite materials and components. The Composites Application Module includes a collection of pre-configured test methods and supporting documentation that cover a variety of internationally recognized industry standards. These methods and supporting documentation allow for immediate testing after installation and basic training.

Pre-configured Test Methods

Tensile	AITM 1-0007
	ASTM D3039
	ASTM D4018
	ASTM D5766
	EN 2561
	EN 2597
	ISO 527-4
	ISO 527-5
In-Plane Shear (IPS)	AITM 1-0002
	ASTM D3518
	ASTM D3846
	ISO 14129
Inter-Laminar Shear Strength (ILSS)	ASTM D2344
	EN 2377
	EN 2563
	ISO 14130
Shear	ASTM D5379
Compression	AITM 1-0008
	ASTM D3410
	ASTM C365
	ASTM D6641
	ISO 14126
	prEN 2850
Compression After Impact (CAI)	AITM 1-0010
	ASTM D7137
	prEN 6038
Flex	ISO 14125
Peel	ASTM D1781
	EN 2243-3
	QVA-Z10-46-05
Fracture Toughness	AITM 1-0005
	prEN 6033
Bearing Load	AITM 1-0009
	ASTM D5961
Others	ASTM C1358



Visit **Testing Solutions** on www.instron.com for in-depth application reports and detailed testing system recommendations that meet the requirements of each standard.

Bluehill® 3 Software Highlights

Have Flexibility

- Select from tension, compression, flexural, peel, tear, friction, stress relaxation, and creep test types
- Create **customized measurements** for graphing, calculations, and live displays
- Get results from a complete **calculations library** that includes customizable user calculations
- Create **customizable expressions** for calculating test control rates, user calculations, calculation domains and measurements
- Automate processes with Advanced Programming Interface (API)
- Plug-in advanced test control and data analysis options when necessary

Be Efficient

- Use choice inputs to automatically link individual specimens with multiple required input values, such as dimensions and test rate
- Get instant feedback with pass/fail results and **real-time calculations** in live displays
- **Audio alerts** remind you of test events, such as end of test or extensometer removal
- Customize up to 4 soft keys for frequently used functions
- Utilize an Automatic Specimen Measuring Device (ASMD) to transfer specimen measurements directly into the software
- Automatically generate and distribute reports when test is complete
- Navigation assistance for method development is available

Increase Accuracy

- Use **prompted test methods** (with or without audio, pictures, or video) to guide users through all test procedures
- Link specific transducers with test methods to ensure correct devices are used
- Use transducer verification due dates to remind users of upcoming required service
- Enable **three-levels of security** with user name, passwords, and individual permissions
- Electronic help and reference guide includes step-by-step procedures for commonly performed actions
- State-of-the-art user-assisted text and hyperlinks provide immediate help on every screen in the software
- **Calculation animations** demonstrate calculation inputs and functionality

Look Professional

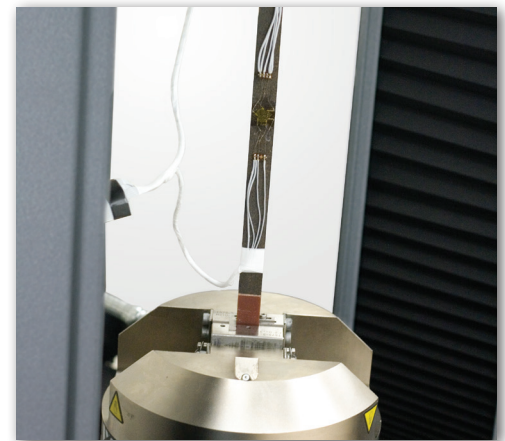
- Generate customized **report templates** that include multiple graphs, report tables, photos, logo, test date, time stamp, and more
- **Export reports** via save, email or print, and in choice of format: Word, PDF or HTML
- Copy and paste graph or results directly from test user interface for immediate results into other Microsoft products for quick presentations and sharing of results
- Customize the test user interface for layout of graphs, results, live displays, test inputs, raw data viewing, and optional TestCam

Computer Requirements

- Intel Pentium (Dual Core or Single Core) Processor with 2 GHz or faster clock speed
- 1 GB RAM
- Microsoft® Windows® 7 Professional (32 bit only) or Windows® XP Professional with Service Pack 3
- Microsoft® Internet Explorer® 7 or later
- DVD Drive
- Hard Drive with 1 GB free space
- Minimum display resolution: 1024 × 768 high color
- 1 unused serial port (for ASMD only)
- 1 unused Ethernet port (Instron 3300/5500/5900 only - 2 Ethernet ports if network accessibility is required)



Test configuration for in-plane shear strength of reinforced plastics according to ASTM D 3846



Composite specimen tested in accordance with ASTM D3039 or ISO 527-5

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