

The Bluehill 3 Textiles Application Module provides a comprehensive platform for measurement, test control, and report creation for testing a wide variety of textile materials and components. The Textiles 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

- ASTM D2256 Standard Test Method for Tensile Properties of Yarns by the Single-Strand Method
- ASTM D2261 Standard Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)
- ASTM D5034 Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
- ASTM D5035 Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)
- ASTM D5587 Standard Test Method for Tearing Strength of Fabrics by Trapezoid Procedure
- ISO 9073-3 Textiles – Test Method for Nonwovens – Part 3: Determination of Tensile Strength and Elongation
- ISO 9073-4 Textiles – Test Method for Nonwovens – Part 4: Determination of Tear Resistance
- ISO 13934-1 Textiles – Tensile Properties of Fabrics – Part 1: Determination of Maximum Force and Elongation at Maximum Force Using the Strip Method
- ISO 13934-2 Textiles – Tensile Properties of Fabrics – Part 2: Determination of Maximum Force Using the Grab Method
- ISO 13935-1 Textiles – Seam Tensile Properties of Fabrics and Made-up Textile Articles – Part 1: Determination of Maximum Force to Seam Rupture Using the Strip Method
- ISO 13936-1 Textiles – Determination of the Slippage Resistance of Yarns at a Seam in Woven Fabrics – Part 1: Fixed Seam Opening Method
- ISO 13936-2* Textiles – Determination of the Slippage Resistance of Yarns at a Seam in Woven Fabrics – Part 2: Fixed Load Method
- ISO 2062 Textiles – Yarns From Packages – Determination of Single-end Breaking Force and Elongation at Break



Tension test of single stranded yarn according to ASTM D 2256



Tearing strength of fabrics according to ASTM D 2261

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

* ISO 13936-2 requires TestProfiler

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

- Dell®, HP, IBM® & Gateway® brand PCs or laptops are recommended
- Intel® Pentium® (Dual Core or Single Core) Processor with 2 GHz or faster clock speed
- 1 GB RAM
- Windows® XP (Service Pack 3)
- Microsoft® Internet Explorer 7 or later
- DVD Drive
- Hard drive with 1 GB free space
- 1 unused serial port (ASMD only)
- 1 Ethernet Port (2 Ethernet Ports if network accessibility is required)
- Minimum display resolution: 1024 × 768

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