

# Bluehill® 3 Testing Software | Adhesives Application Module

The Bluehill 3 Adhesives Application Module provides a comprehensive platform for measurement, test control, and report creation for testing a wide variety of adhesive materials and components. The Adhesives 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 D1876 Standard Test Method for Peel Resistance of Adhesives (T-Peel Test)
- ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D3163 Standard Test Method for Determining Strength of Adhesively Bonded Rigid Plastic Lap-Shear Joints in Shear by Tension Loading
- ISO 11339 Adhesives — T-peel Test for Flexible-to-Flexible Bonded Assemblies
- ISO 4578 Adhesives — Determination of Peel Resistance of High-Strength Adhesive Bonds — Floating-Roller Method
- ISO 813 Rubber, Vulcanized or Thermoplastic: Determination of Adhesion to a Rigid Substrate — 90° Peel Method
- BS EN 1465\* Adhesives: Determination of Tensile Lap-Shear Strength of Rigid-to-Rigid Bonded Assemblies
- BS EN 1719 Adhesives for Paper and Board, Packaging and Disposable Sanitary Products. Tack Measurement for Pressure-Sensitive Adhesives. Determination of Loop Tack
- BS EN 1939 Self Adhesive Tapes: Determination of Peel Adhesion Properties

\* EN1465 requires TestProfiler



180° peel adhesion test according to ASTM D1876



90° peel adhesion test according to ISO 813

Visit **Testing Solutions** on [www.instron.com](http://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

- 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

[www.instron.com](http://www.instron.com)



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

Instron Industrial Products  
900 Liberty Street, Grove City, PA 16127, USA  
Tel: +1 724 458 9610

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