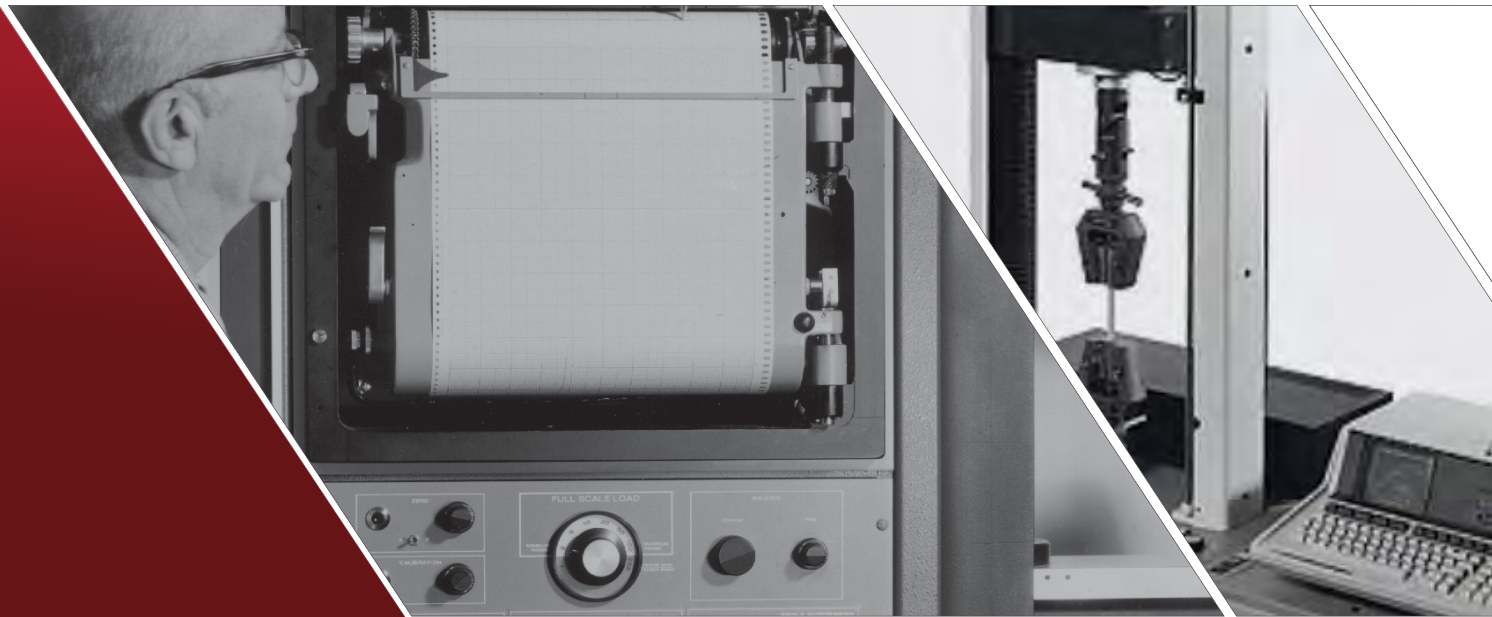# Bluehill® Universal

The Next Generation of Testing Software

INSTRON®

The digital revolution of the 1980s and 1990s introduced us to personal computers, operating systems, and the internet. These monumental changes served as catalysts that rapidly evolved the architecture of a Universal Testing Machine to embrace digital electronics - moving operators away from a world of dials, pushbuttons, and controls to a world of right and left clicks.

TRUSTED
SINCE 1946

Fast forward to today, where the evolution of consumer devices and the use of smartphones has once again changed the way we view the world. We expect all of our devices and systems to have endless computing and communications power. We expect the design to be simple and embody beautiful interfaces that we can control with the touch of a finger.

BLUEHILL® UNIVERSAL
Simpler. Smarter. Safer.

Bluehill Universal was built from the ground-up for touch interaction. The new portrait layout, with its meticulously crafted visual design, gives the most comprehensive view of the test workspace on the Operator Dashboard, a stunning large-format touch monitor with an integrated controller.

Bluehill Universal's large touchpoints and intuitive gestures make the user experience simpler and smarter. Easy-to-understand icons and workflows make it easy to train new or experienced users, simplifying operator training, and allowing you to start testing even faster.

Effortless Workflows

An easy-to-use touch interface, built from the ground up with ergonomics in mind, optimizes your testing workflow.

Increased Efficiency

Console functions and numerical keypads are conveniently located and accessible, making your testing faster and easier.

Advanced Capability

Powerful Bluehill® architecture gives you complete control over how you set up test methods, allowing you to achieve optimal results.

SIMPLER

Bluehill® Universal

Pre-loaded Templates

Bluehill Universal includes an extensive library of pre-configured methods for some of the most commonly used ASTM, ISO, and EN standards. The methods are packaged in modules that are specific to your testing application.

QuickTest

For when you need results fast, QuickTest allows you to simply enter a few simple parameters and run your test within seconds.

Bluehill® Universal's streamlined functionality keeps testing workflows simple for new or infrequent users, and helps high-volume labs remain efficient.

Integrated Specimen Measurement

Connect micrometers and calipers directly into the system to effortlessly import specimen dimensions for stress measurements.

Prompted Tests

Users can be guided through the entire testing process with step-by-step instructions, ensuring that your tests remain repeatable, simple, and error-free. The prompts are customizable with your own text and images.
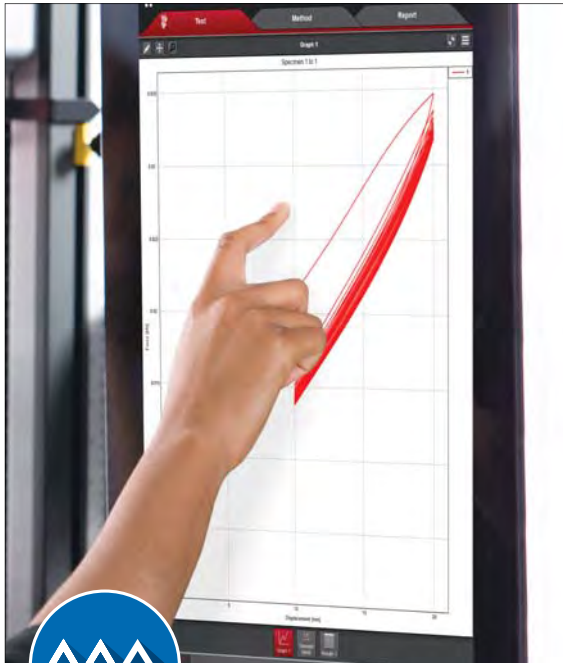
Data Analysis with TrendTracker™

Automatically export test results and relevant specimen information into a powerful, searchable database that can be set up locally or on your organization's network.

SMARTER
Bluehill® Universal

Simplicity doesn't mean that you have to give up advanced features. Bluehill Universal's modular features give you the power and flexibility to run the most complex of tests.

TestProfiler

Build simple cyclic tests that include ramps, holds, and triangle waves. Conditional logic allows you to create looping patterns that help you re-create real-life scenarios with your tests.
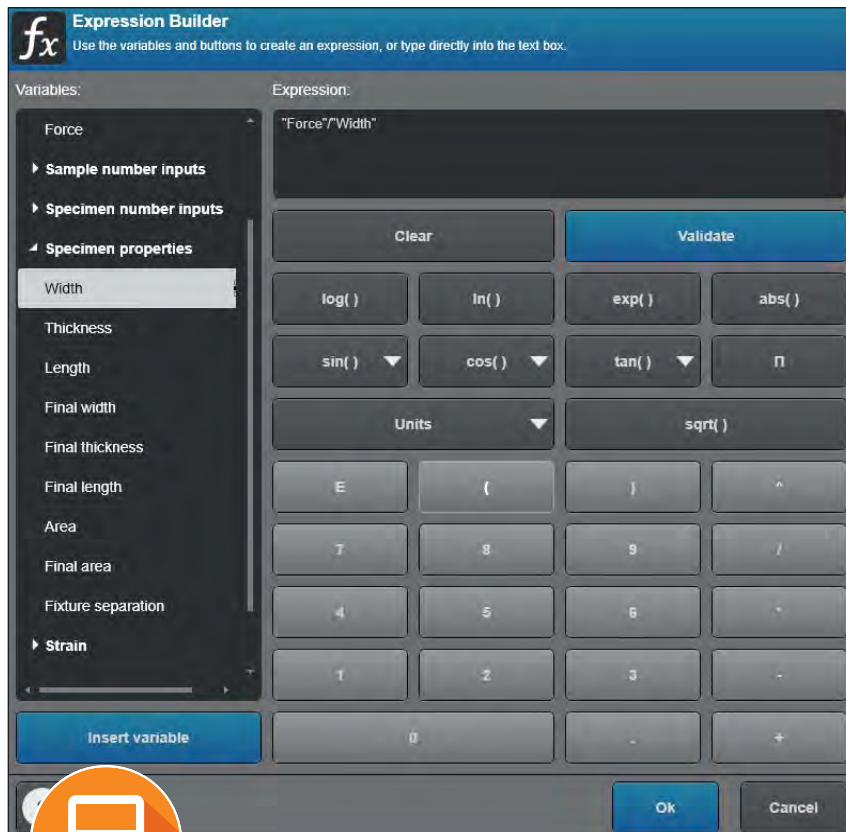

TestCam

Connect a USB webcam to experience point-by-point video playback, allowing you to view the test even after it has finished.
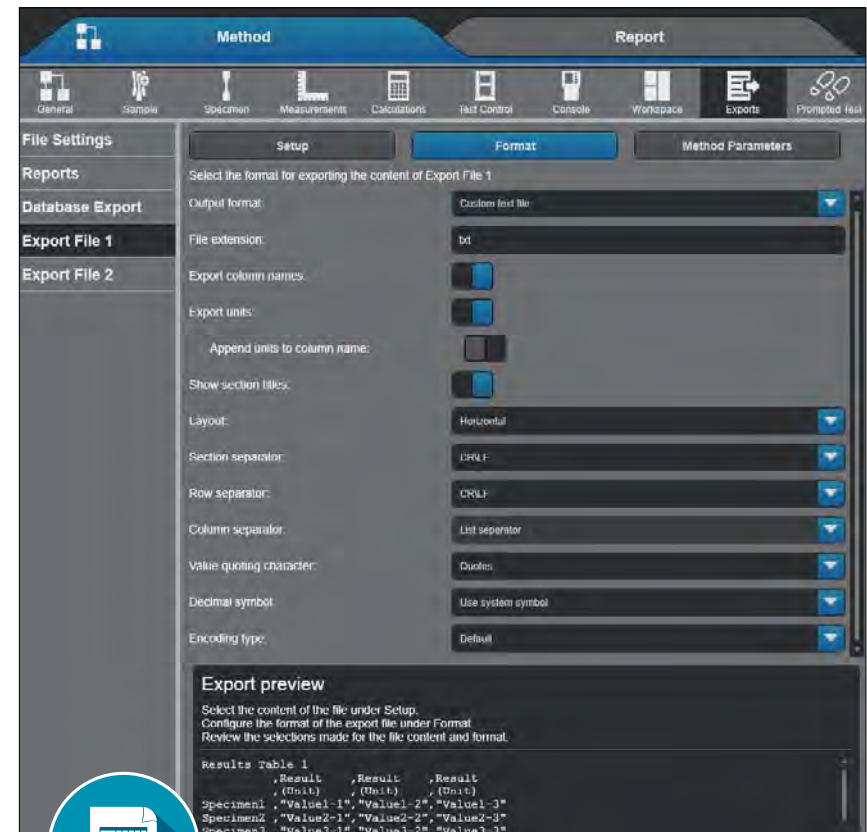

Analysis

Replay, reanalyze, or make modifications to previously-tested specimens without having to re-run tests.

Expression Builder

Build your own user-defined functions using a list of variables from the method. Users can write functions for detecting test events, defining new calculations, making measurements, or setting domains for calculations.

Exporting Tools

Whether you need a polished PDF report, or a customized file to integrate with your lab information management system, Bluehill® Universal's exporting tools have the flexibility to output results, user inputs, raw data, graphs, and more in a wide variety of formats.

INSTRON® CONNECT
The Next Generation of Technical Support

Instron's unrivaled application expertise and best-in-class service establishes us as the leader in customer satisfaction with the best ownership experience. Instron Connect introduces a powerful communication platform that brings our support engineers even closer to your organization.

Faster Remote Technical Support

Secure screen-sharing and submit service requests directly through the system. Easily send test methods and test sample data files for review.

Reduce Risk with Scheduled Reminders

Maintain your lab's certification with calibration reminders and easy scheduling to avoid unnecessary downtime.

Keep up to date with Current Features

Automatic software update notifications provide confidence that your Instron system is running in optimal condition.

Secure Screen Sharing

Allow faster and simpler visual access to your system's user interface by Instron® Technical Support. The remote support engineer's actions may be observed in real time on the monitor.
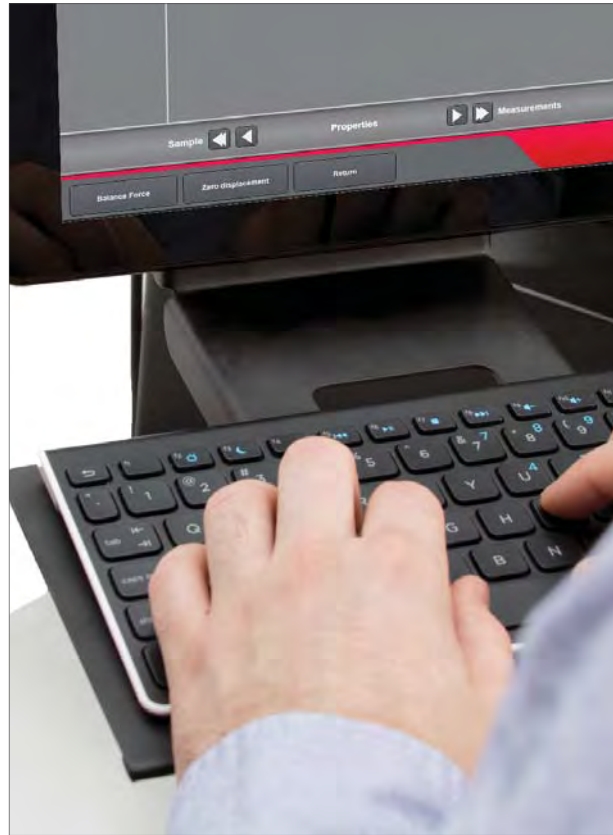

Advanced Capabilities

Effortlessly upload Instron files to clarify support questions. Utilize the remote audio capability directly through your system providing a simpler and quicker way to get in touch with Instron support.

IS BLUEHILL® UNIVERSAL RIGHT FOR ME?

System Compatibility

Bluehill Universal is available with an Operator Dashboard on new 5900 and 3300 systems, as well as existing 5900, 3300, 5500, 59R and IS02 static testing systems. ElectroPuls™ and 8800 dynamic systems can also take advantage of Bluehill Universal's versatility and ease-of-use when running static tests.

Operator Dashboard configurable for mounting on right or left side of frame

Operator dashboard mounted with extended mount for 5900 productivity panel

Operator Dashboard available in 15.6" or 21.5" size

FAQs
Bluehill® Universal

Can I Use My Old Bluehill Methods?

Yes - all Bluehill methods are easily converted when opened in Bluehill Universal. There may be some minor discrepancies which are easy to fix. Contact Instron® for more details.

Can I Use a Keyboard?

Although Bluehill Universal is optimized for touch interaction, some users who need to enter large amounts of information for their testing are able to add a keyboard. Instron does not supply keyboards.

Can I Use Gloves?

The Instron-supplied touch monitor has a capacitive touch screen, so rubber and nitrile gloves, and gloves with touch-sensitive finger tips may be used.

Can I Supply My Own Computer?

As always, Instron customers may supply their own computers. Instron can provide the necessary cabling to connect to the touch monitor.

What Operating System Do I Need If I Supply My Own Computer?

Bluehill Universal works with Windows® 7 (32 bit & 64 bit) and Windows® 10 Professional (64 bit) Operating Systems. We recommend Windows® 10 for optimal performance and best support moving forward.

With over **70 YEARS** of materials

Instron® delivers impactful **INNOV**

users business to thrive. We are **C**

services which delight and usabil

throughout the **LIFETIME OF THE**

testing **EXPERIENCE**,

VATIONS to enable our

OMMITTED to delivering

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SYSTEM.

INSTRON®

"True innovation occurs when product designers and developers show relentless curiosity towards the needs of their customers. This builds an understanding that allows them to anticipate and create a new suite of solutions that are Simpler, Smarter, and Safer."

Yahya Gharagozlou

Group President
ITW Test & Measurement

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