INSTRON®

The difference is measurable®

TestMaster Automation Software | For Automated Testing Systems

The Instron® TestMaster Software is the master controller and sequencer for all Automated Testing Systems. TestMaster seamlessly controls all aspects of an automated test sequence that includes: user interface control; I/O control of all peripheral components; device control; database; simultaneous process states; and visual system status light stack. TestMaster utilizes a modular technology that makes incorporating peripherals, such as a hardness tester, very easy. With pre-configured sequences, the software is ready for testing, but offers you the flexibility to easily modify or create sequencing parameters that better meet your testing needs.

TestMaster Software is integrated into Windows® security. When logged in with "Administrative" rights, the operator has full access to all TestMaster functionality on the Run, Configuration, and Utility tabs. With this level of access, you have the ability to modify existing system configurations or create new ones. You can also teach robot positions through the provided user interface. As a "User", the operator is restricted to starting automated testing using existing configurations and robot quick buttons, to retract the robot arm, to send it to the home position, or to open/close the fingers with the click of one button.

For advanced users, the TestMaster Configuration tab gives users control over key aspects of the systems components, such as: barcode label format; maximum specimen width and length; rack priority row(s) definition; number of Bluehill® test failures before system shutdown; number of measurement failures before shutdown; and more. The Utility tab allows users to easily move the robot to a home position with the click of one button, and to open and close the robot fingers. It also contains a "teach interface" for teaching robot positions and manually jogging the robot, as well as manually toggling the I/O on and off.

TestMaster Software Highlights

Flexibility

- Ability to modify or create sequencing parameters or use exiting pre-configured settings
- Works seamlessly with Bluehill Software, providing the ability to select from tension, compression, flexural, peel, tear, friction, and other test types
- Simple system expandability through modular integration of additional peripheral devices
- Conveniently stores all test data and results in an SQL database for easy retrieval by a Laboratory Information Management System (LIMS)
- Ability to test multiple test methods in one automated test run
- Capable of supporting multiple languages

Security

- TestMaster Software is integrated into Windows security, allowing for "Administrative" or "User" rights to restrict unauthorized access to testing setups, sequencing, and data

Efficiency and Increased Throughput of Your Facility

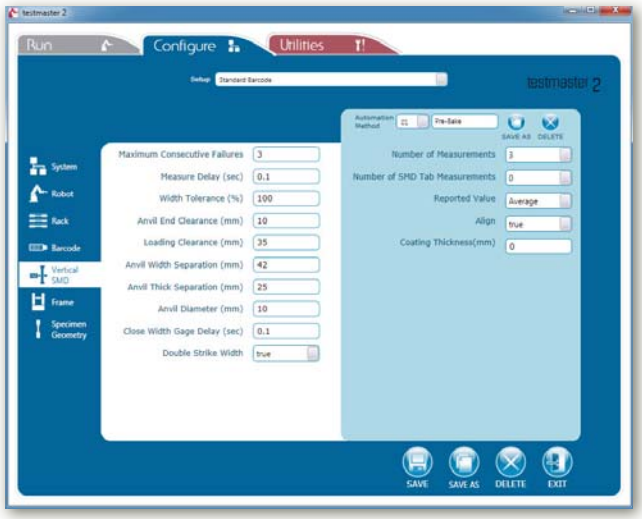
- TestMaster allows for unattended, overnight testing
- Simple user interface allows for quick and easy teaching of robot positions
- Operators available to work on more value-added activities
- Overall costs are lower due to reduction in training and injury-related expenses
- Increased repeatability of results due to removal of positional error
- Enhanced throughput through concurrent operation - while one specimen is being tested the next is being prepared

Options

- Bi-directional communications with a LIMS
- Use of both dual- and single-axis measurement devices to obtain combined average thickness measurement (for concave specimens)
- Automatic queue mode (without barcodes or, custom table, and can be read from a file)
- Pass/Fail tested specimen sorting
- Automatic R-bar, Delta R, and Bake Hardening Index calculations, with reported values transferred to Bluehill results

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)



TestMaster Configure Tab

Tech Interface

TestMaster Typical Run Time Screen

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