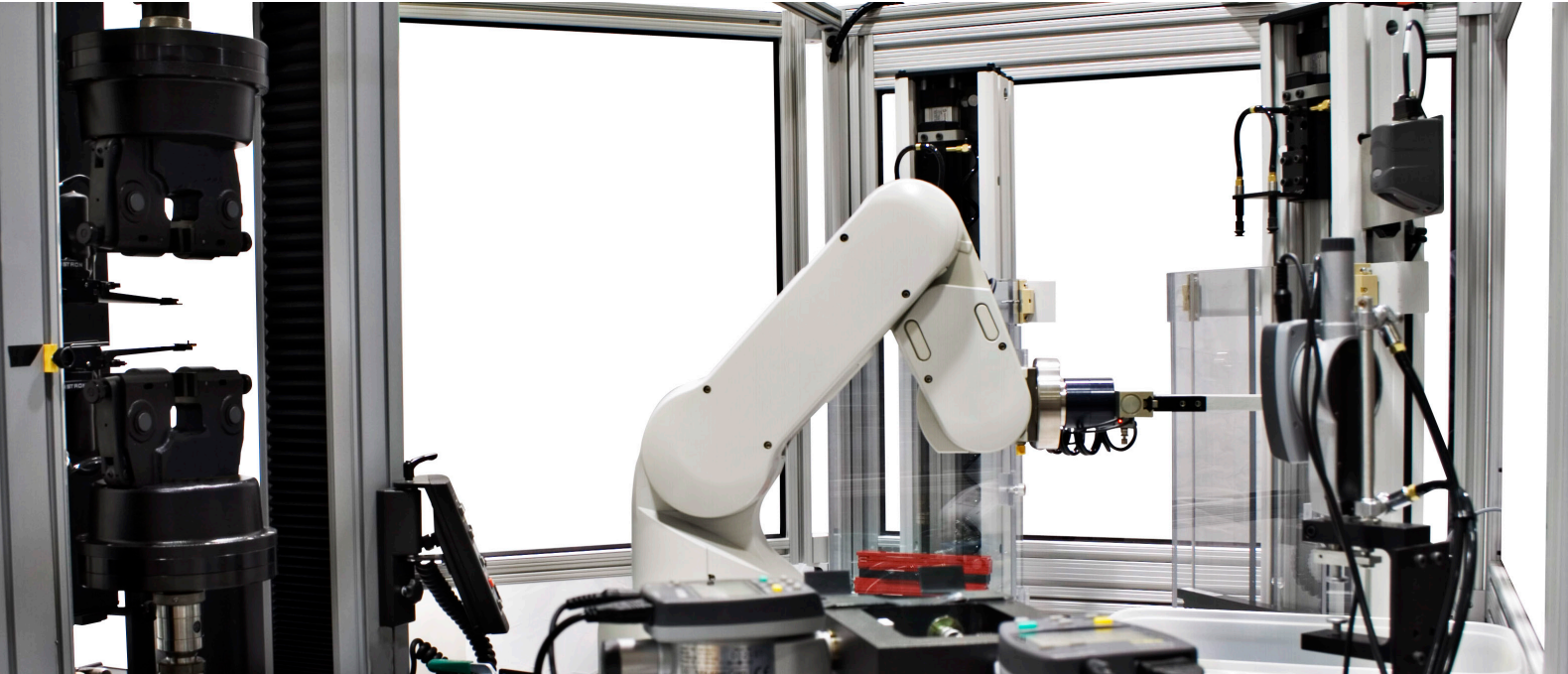


# Automated Plastics Testing System



The Instron® Automated Plastics Testing Systems enable a new dimension of testing productivity. Available as a complete turnkey solution or installed on an existing Instron universal testing machine, these systems have been designed to meet ASTM D638, ISO 527, ASTM D790, ISO 178, and other testing standards, including JIS and DIN.



**Wouldn't it be nice to run tests on nights and weekends, unattended?**

Load a testing system and let it run without user interaction.

**Do you have multiple operators and/or locations performing the same tests?**

Robotic specimen handling eliminates human variation in testing.

**Are your technicians manually moving test results or reports into your database or network system?**

Automatic transfer of results and/or reports alleviate costly, manual re-entry time and potential mistakes.

**Do you have skilled labor doing repetitive work?**

Their time could be spent on more value-added tasks.

**Is user safety important to you?**

Testing specimens is completely hands-off, minimizing workplace safety hazards.

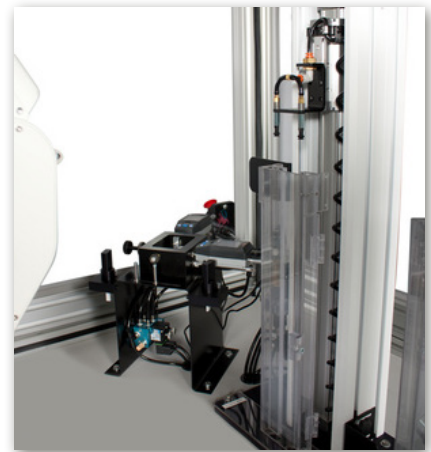
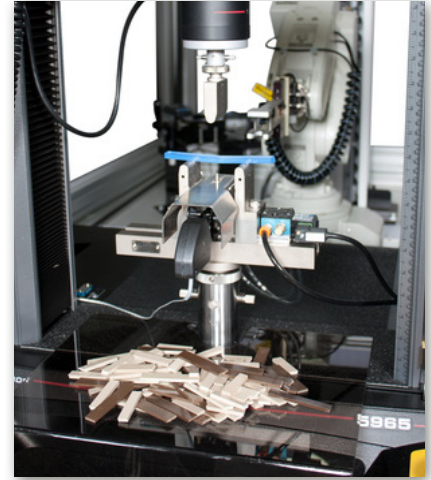


## Features

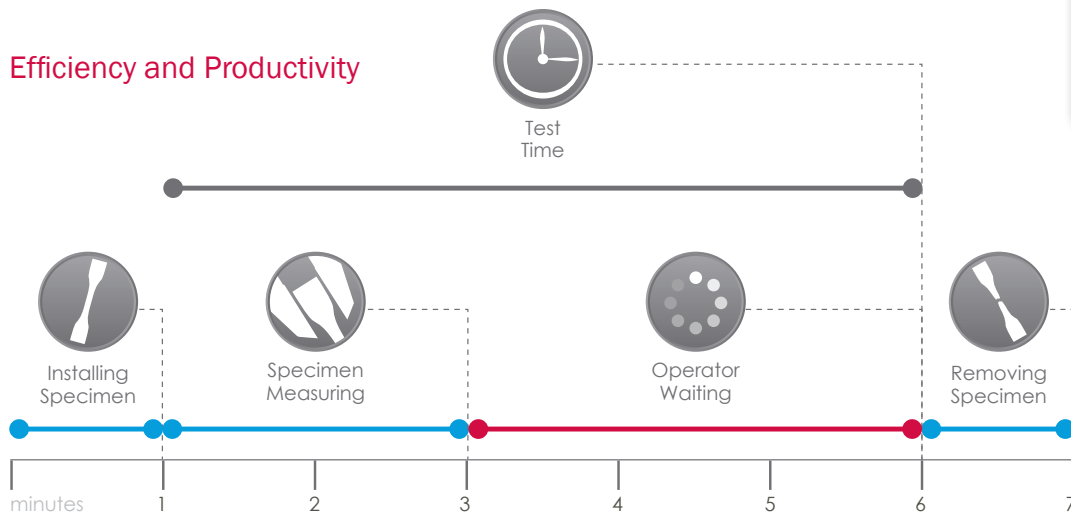
- Storage racks hold up to 300 specimens (can vary based on sample size and geometry)
- Suitable for a wide range of plastics and applications, in accordance to ASTM, JIS, DIN/ISO standards
- Barcode reader, compatible with 1D or 2D barcodes
- In-line, automatic specimen width and thickness measurement
- Pass/Fail tested specimen sorting
- Compatible with optional AutoX750 Automatic Contacting Extensometer or Advanced Video Extensometer (AVE)
- Optional bi-directional communications with LIMS – we will work with your IT department to develop a communications protocol that works best for you
- Available in a variety of capacities: 2, 5, 10, 30 kN, and more

## Improving Your Laboratory's Efficiency and Throughput

- Multiple storage racks allow for pre-loading of specimens, saving time and increasing throughput
- Consistent specimen measurement, loading, and testing improves repeatability and reproducibility of results by minimizing human error
- Results can be automatically loaded into a database or LIMS, avoiding costly, manual input time and potential for entry errors
- Overall costs are lowered due to the reduction in training and injury-related expenses
- Operators are available to work on more value-added activities



## Efficiency and Productivity



## Manual Testing System Timeline

- Operator
- Time Gained using an Automation System
- System Test Time

## Daily Savings

3.4 hours gained

## Weekly Savings

20.4 hours gained

## Yearly Savings

44 days gained

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