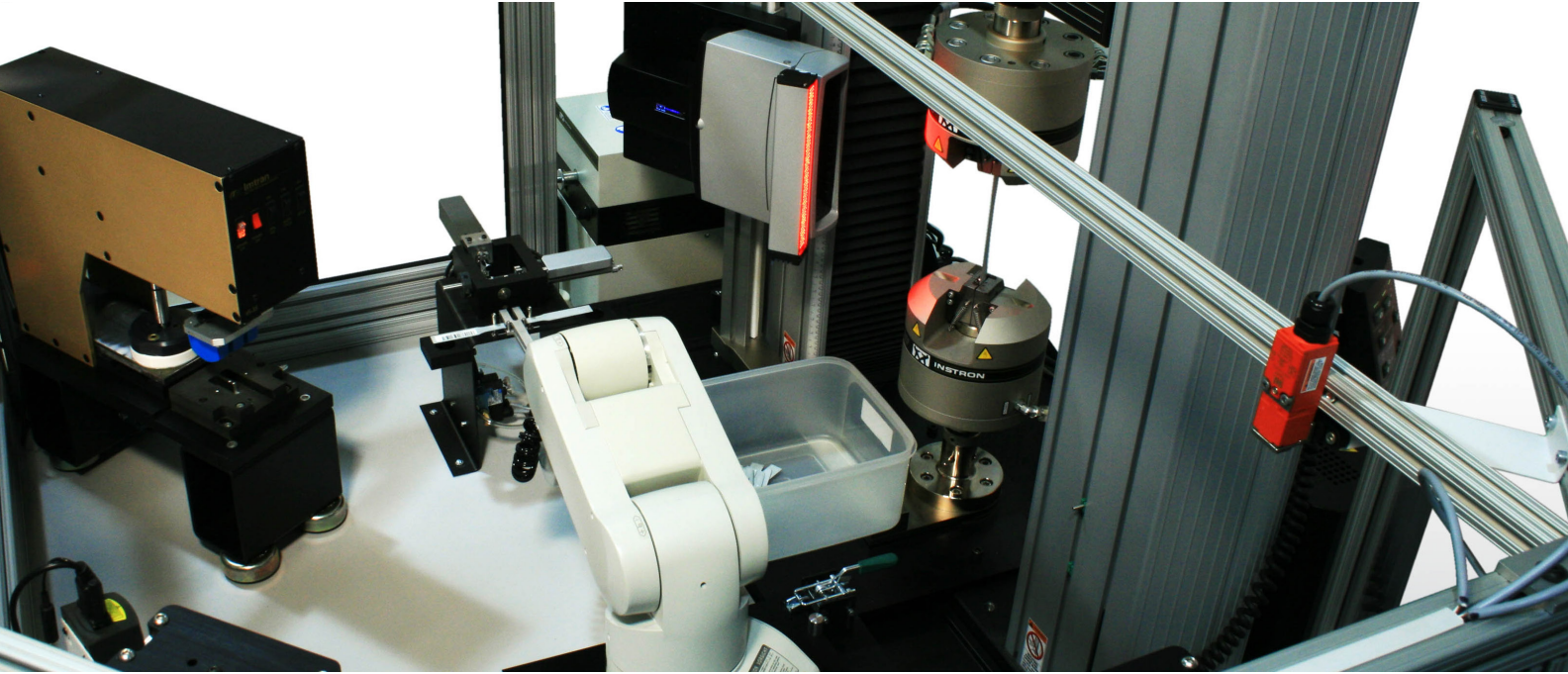The Instron® Automated Metals Testing Systems enable a new dimension of testing productivity. Available as a complete turnkey solution or installed on an existing Instron testing machine, these systems have been designed to meet ASTM E8, EN 10002-1, ISO 6892, and other metals testing standards, including 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?
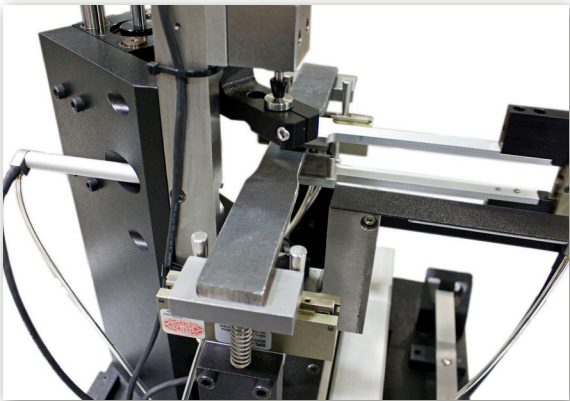Automatic transfer of results and/or reports alleviate costly, manual re-entry time and potential mistakes.

Do you have skilled labor doing repetitive work?
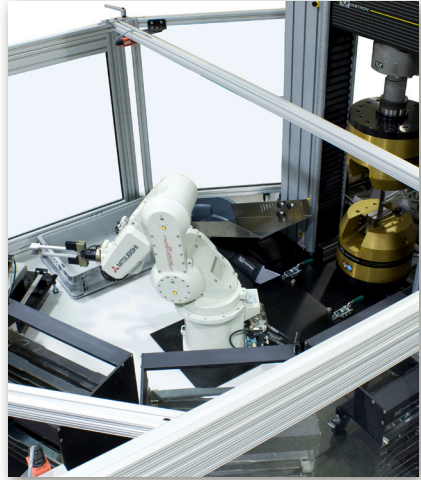Their time could be spent on more value-added tasks.

Is user safety important to you?
Testing specimens is completely hands-off, minimizing workplace safety hazards.

Products for Materials Testing

Features

- Storage racks hold up to 400 specimens (can vary based on sample size and geometry)
- Suitable for a wide range of metals and applications, in accordance to ASTM, JIS, DIN/ISO standards
- Barcode reader, compatible with 1D or 2D barcodes
- In-line, automatic specimen measurement
- Pass/Fail tested specimen sorting
- R-bar/Delta R and bake-hardening index capability
- Compatible with optional AutoX750 Automatic Contacting Extensometer or the Advanced Video Extensometer (AVE)
- Can be supplied with optional Rockwell Hardness Tester or Mahr Federal Surface Roughness device.
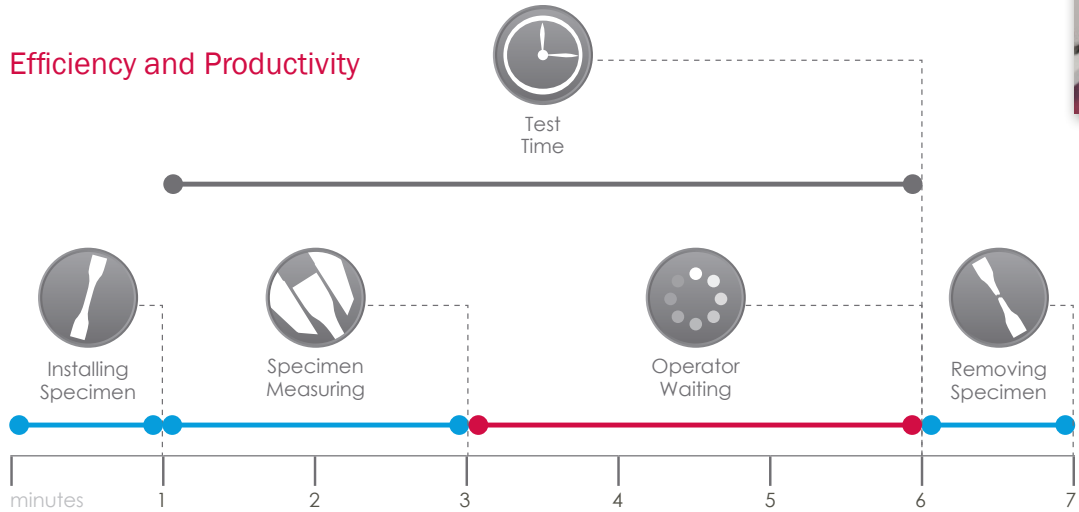- Available in a variety of capacities: 50, 100, 250, 600 kN and more

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

Test Time

Installing Specimen

Specimen Measuring

Operator Waiting

Removing Specimen

minutes   1   2   3   4   5   6   7

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

AutomatedMetalsTestingSystem_PodV1