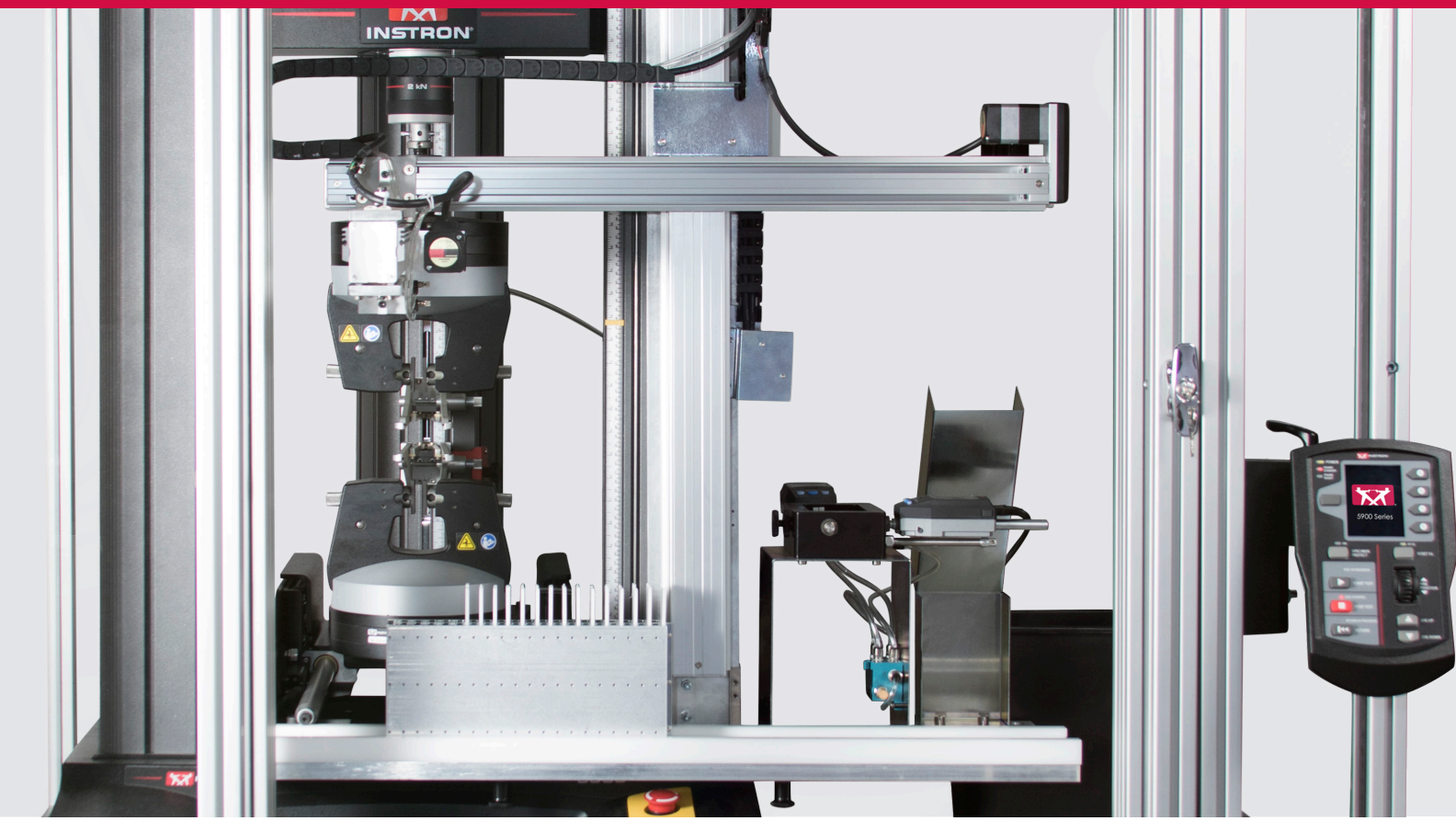
INSTRON®

The difference is measurable®

TestMaster AT3/AT3+ | Automated Testing System



The Instron® TestMaster AT3 (tensile) and AT3+ (flex) Automated Testing System utilizes an innovative design for the automatic tensile and/or flexural testing of plastic specimens. Meeting the testing requirements of ASTM D638 and D790, ISO 527 and 178, as well as other testing standards, this system offers many of the benefits of our robotic AT6 systems, but in a smaller footprint.

More Consistent Testing

The automated specimen loading feature improves repeatability and reproducibility of testing and results, minimizing human influence, and thus, human error.

Safety & Ergonomics

The AT3 and the AT3+ Automated Testing Systems increase safety by keeping the operator away from the testing area, and improves ergonomics by virtually eliminating repetitive motions associated with high volume manual testing.

30 - 75% of Valuable Operator Time Saved

Free up valuable operator time by automating the specimen measurement and handling portions of the mechanical test. The operator simply loads the tray and lets the system run, uninterrupted. Depending on the materials and the exact tests performed, operators can expect to save up to 75% of their time.

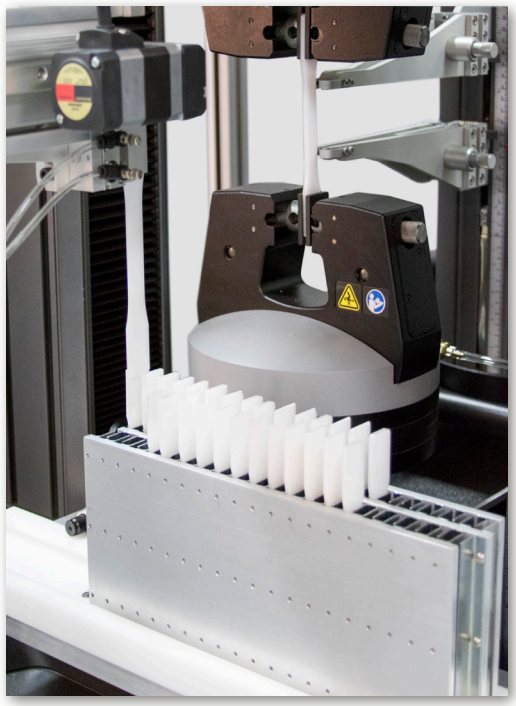
Improving Your Laboratory's Efficiency and Throughput

- Removable racks allows for pre-loading of specimens, saving time and increasing throughput
- Consistent specimen loading and testing improves repeatability and reproducibility of results by minimizing human error
- Overall costs are lowered due to reduction in both training and injury-related expenses
- Operators are available to work on more value-added activities

Features

- Storage racks hold up to 80 specimens (can vary based on sample size and geometry)
- Multiple racks can be purchased with each system, allowing operators to pre-load specimens while the system is running
- Suitable for a wide range of rigid, tensile, and flex materials and applications
- With the loader up and away, the system can be used manually – with virtually zero switch-over time
- Conveniently bolts onto new or existing 5960 dual-column table top standard frames
- Compact design has a footprint slightly larger than a standard test frame
- Compatible with the with the AutoX750, the user has the option of having an automatic, direct contacting extensometer for strain measurement – rather than using the crosshead displacement, which is significantly less accurate
- Offers specimen barcode read capability and dual axis specimen measurement module as standard.

Specimen Scan and Measurement Module



RFID Specimen cartridge racks are designed for each specimen size, while the RFID coding enables the system to know what it is testing

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