

AUTOMATED XY TESTING SYSTEM

Instron® AT2 XY Stage

Are your testing needs and requirements changing on a regular basis? Are you experiencing lost work time due to operator injury or repetitive motion? Improved efficiency can be gained using an automation system and allowing your skilled operators to focus on more important tasks.

Instron's Automated AT2 XY stage testing system is designed for automated compression or tension testing of devices and/or components with multiple and repetitive test points or locations, such as: medical devices, syringes, small electronics, keypads, pill crush.

Increased Throughput

To keep up with customer demands, lab managers often find themselves hiring technicians for multiple shifts so that product testing is an around-the-clock occurrence. An automated testing system permits tests to run unattended, which increases the number of samples tested and cost savings by staffing more efficiently.

Better Use of Skilled Labor

By automating the testing in your lab, skilled operators can now focus on tasks that allow for better efficiency, ultimately improving the company's bottom line. Depending on the test, operator time can be reduced by up to 50%.

Consistency of Testing and Results

It's normal for a company to have multiple operators performing the exact same test and, in some case, across multiple labs and locations. However, the way in which each operator tests can be slightly different, leading to variability in test results. With an increased need to remove operator influence, automated solutions allow for standardized testing across functions and locations.

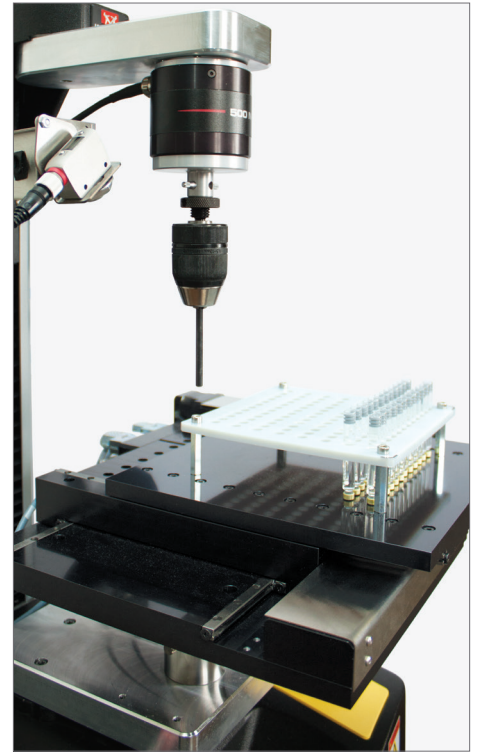
Improved Safety & Ergonomics

Ensuring a safe and comfortable workplace is fundamental to an organization. Automated testing alleviates potential pinch points or safety hazards for operators using testing equipment. By removing the strain of bending and the repetitive motion of loading specimens, the operator can load dozens of specimens to be tested, press "Start", and remain completely clear of the test area.



Specification Table

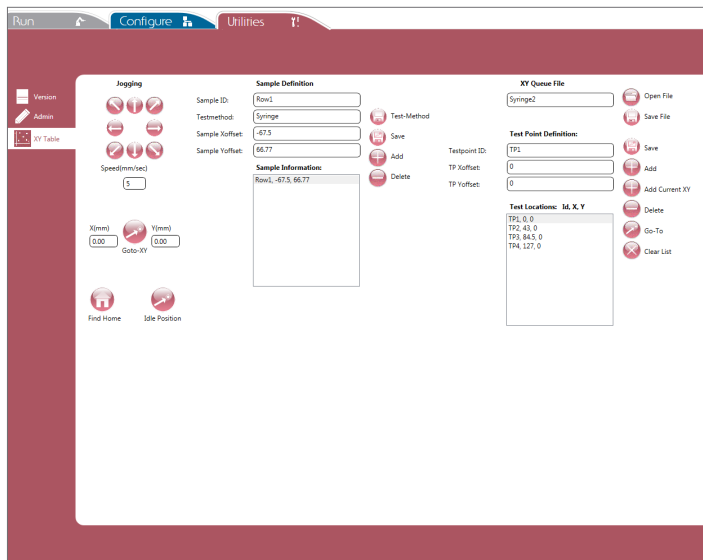
		5942	5944
Maximum Stage Load Capacity	kN	2	2
	lbs	450	450
XY Stage Travel (Minimum) ¹	mm	150 × 300	150 × 300
	in	5.9 × 5.9	5.9 × 5.9
Total Crosshead Travel ²	mm	430	827
	in	16.9	35.6
Stage Speed	mm/sec	25	25
	in/sec	1	1
Stage Position Accuracy	µm	±40	±40
	mm	±0.0016	±0.0016
Stage Position Repeatability	µm	±5	±5
	mm	±0.0002	±0.0002
Electrical Requirements		Single Phase, 47/63 Hz, 120 or 220 VAC	Single Phase, 47/63 Hz, 120 or 220 VAC
Overall System Dimensions (H × W × D)	mm	986 × 459 × 650	1383 × 459 × 650
	in	38.8 × 18.1 × 25.6	54.4 × 18.1 × 25.6
Operating Temperature	°C	+10 to 38	+10 to 38
	°F	+50 to 150	+50 to 150



Unattended Tests Performed Automatically on up to 96 Glass Vials

Notes:

1. Longer travel options available upon request
2. Does not account for any fixture or probe height



TestMaster User Interface



Facility Testing on Multiple Cell Phone Buttons

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