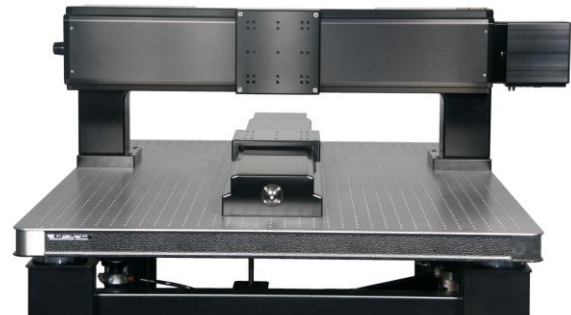


650mm Long Travel Stage



The 650mm long travel stage is used for inspecting or processing larger parts such as flat panels and circuit boards. Many options are available, including stepper motors, servo motors, or “smart” motors with integral controllers (shown above), connector bulkheads, and side seals. Even though the 650mm long travel is an economical stage, performance has not been compromised. A stiff stage body machined from 7075 aluminum ensures angular errors (pitch, yaw, roll) and straightness errors (straightness and flatness of travel) are kept to a minimum. Large, precision linear rail

guides with recirculating, caged ball bearings provide smooth, quiet travel, long life and high load capacity. Because many of our stages are integrated into metrology instruments or process tools, we pay a lot of attention to the quality of all external surface finishes.



Split Gantry System using two 650mm long travel stages

Specifications	
Travel	650mm
Linear Guides	15mm Recirculating Ball Bearing
Motor Options	IMS MDrive or Standard Stepper or Servo
Motor Mount	NEMA23
Drive Type	0.200” Lead Screw
Linear Accuracy w/ linear compensation ^{1,2}	±30µm
Bidirectional Repeatability ³	±4.0µm
Maximum Velocity	100mm/sec
Pitch	±20 arc-sec
Yaw	±20 arc-sec
Straightness of Travel	±5.0µm / Travel
Flatness of Travel	±5.0µm / Travel
Load Capacity	50Kg
Travel Limits	Optical, 5-24VDC

¹Higher accuracies available on request; ²Measured 50mm above surface; ³With 2500 line encoder

650mm Long Travel Stage

