

Imatest Motorized Test Stand

Easy-to-use motorized platform for consistent imaging tests

Why Choose the Imatest Motorized Test Stand?

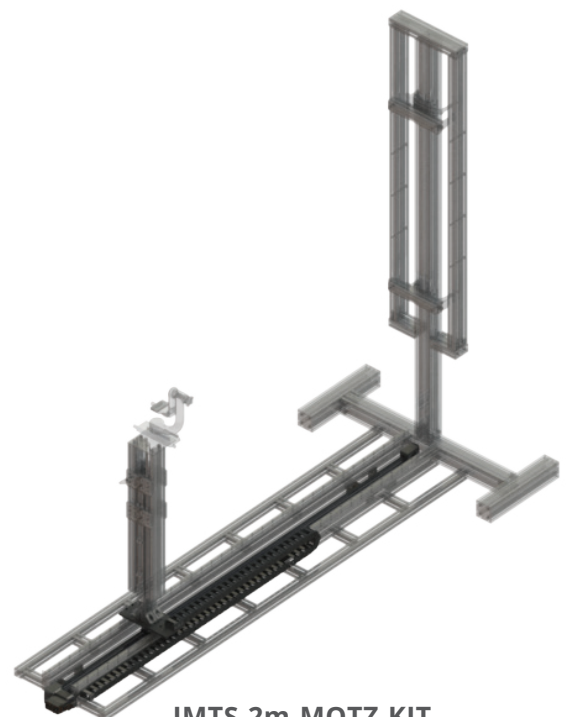
The motorization of each IMTS axis allows for automated positioning of the Camera. Create automated test plans with many camera-to-chart test distances. Perform live depth of field tests using a computer controlled stage with precise linear movements.

Imatest Motorized Test Stand Features

- ✓ Easily upgrade your existing Modular Test Stand
- ✓ Includes linear stages, dragchains, and adapter kits
- ✓ Includes Isotech lifting column and Imatest control box for motorized vertical axis
- ✓ Easily connect using USB 2.0 or serial communication ports
- ✓ Imatest Control API allows for seamless control of all axes
- ✓ The X and Z axis include an indexed knob which provides manual control
- ✓ Control Interfaces: USB Serial, Zaber Console Software, Python 3, Imatest Control API
- ✓ MOTZ - Z-axis (Optical Test Distance) Travel: 1900 mm or 3450 mm
- ✓ MOTY - Y-axis (Vertical / Up & Down) Travel: 500 mm
- ✓ MOTX - X-axis (Horizontal) Travel: 150mm (increased range available upon request)



IMTS-2m-MOTXYZ-KIT



IMTS-2m-MOTZ-KIT



Imatest Motorized Test Stand Specifications

Specifications	Details
Motorized IMTS-2m Weight	MOTZ: 189 lbs MOTY: 180 lbs MOTYZ: 195 lbs MOTXYZ: 205 lbs
Motorized IMTS-3.5m Weight	MOTZ: 300 lbs MOTY: 285 lbs MOTYZ: 305 lbs MOTXYZ: 310 lbs
Motorized IMTS Dimensions	IMTS-2m: 2.395 m x 1.00 m x 2.02 m IMTS-3.5m: 3.977 m x 1.0 m x 2.020 m
X and Y Axis Travel	X-Axis: 150mm (extended range available by request) Y: Axis: 500 mm
Z-Axis Travel	IMTS-2m: 1900 mm IMTS-3.5m: 3450 mm
Max Speed	X-Axis: 54 mm/s Y-Axis: 18 mm/s Z-Axis: 1857 mm/s
Accuracy	X-Axis: 45 μ m Y-Axis: 1.95 mm Z-Axis: 1.6 mm
Repeatability	X-Axis: < 2.5 μ m Y-Axis: 1.77 mm Z-Axis: < 20 μ m
Peak Thrust	X-Axis: 230 N Y-Axis: 1500 N Z-Axis: 90 N
Operating Temperature Range	0 to 50 °C
Maximum DUT Weight	Camera Post: 100 lbs Lifting Column: 150 lbs Tripod / Gimbal Head: 10 lbs
Electrical	100V-240V AC Maximum Current Draw (MOTXYZ): 8900 mA



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