

# Imatest Motorized Test Stand

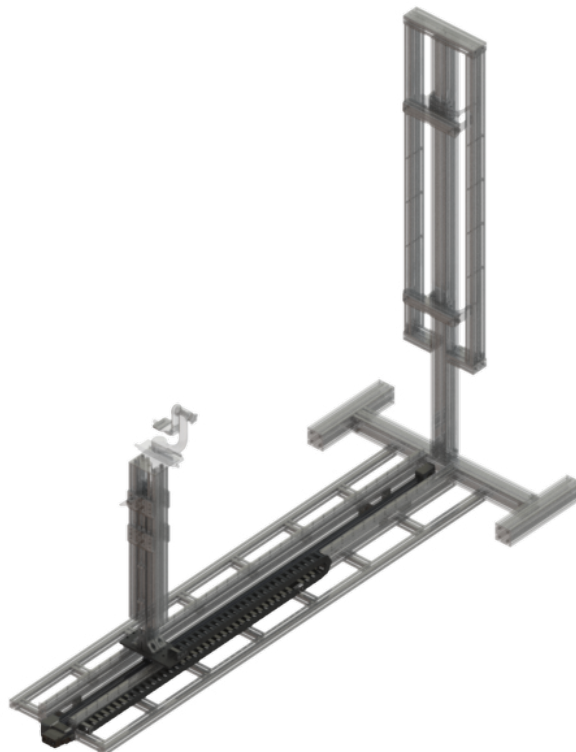
*Add-on to the Imatest Modular Test Stand*

## Why Choose the Imatest Motorized Test Stand?

This add-on module to the IMTS-2m allows for automated positioning of the Camera Post. 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.

## MTS Reflective Module Features

- ✓ Easily upgrade your existing Modular Test Stand
- ✓ Includes linear stage, dragchain, and adapter kit
- ✓ Includes a recirculating ball bearing carriage which provides high load and long lifetime
- ✓ Easily connect using USB 2.0 or serial communication ports, send commands over RS-232
- ✓ Zaber's Console software makes it easy to control the speed and position of the camera, change the device settings, and write custom scripts.
- ✓ The linear stage system includes an indexed knob which provides manual control
- ✓ Travel: 1850mm
- ✓ Maximum Speed: 3000 mm/s
- ✓ Control Interfaces: USB Serial, Zaber Console Software, Python 3 - Zaber Motion Library





# Imatest Motorized Test Stand Specifications

Specifications	Details
<b>Add-On Kit Weight</b>	10.98 Kg (24lbs)
<b>Motorized Carriage Dimensions</b>	2237mm x 134mm x 76mm
<b>IMTS-2m Dimensions (w/ Motor)</b>	2550mm x 1000mm x 2020mm
<b>Linear Motion</b>	Travel: 1850mm   Maximum Speed: 3000mm/s
<b>Microstep Size (Default Resolution)</b>	7.03125 $\mu$ m
<b>Motor Precision</b>	Accuracy (unidirectional): 1,600 $\mu$ m   Repeatability: < 20 $\mu$ m
<b>Motor Backlash</b>	< 250 $\mu$ m
<b>Motor Power</b>	Peak Thrust: 90N   Maximum Torque: 180 N•cm
<b>Operating Temperature Range</b>	0 to 50 °C
<b>Maximum DUT Weight</b>	100 lbs
<b>Electrical</b>	Standard 120V   Maximum Current Draw: 3500 mA

