

# Imatest Linear Motion Blur Module

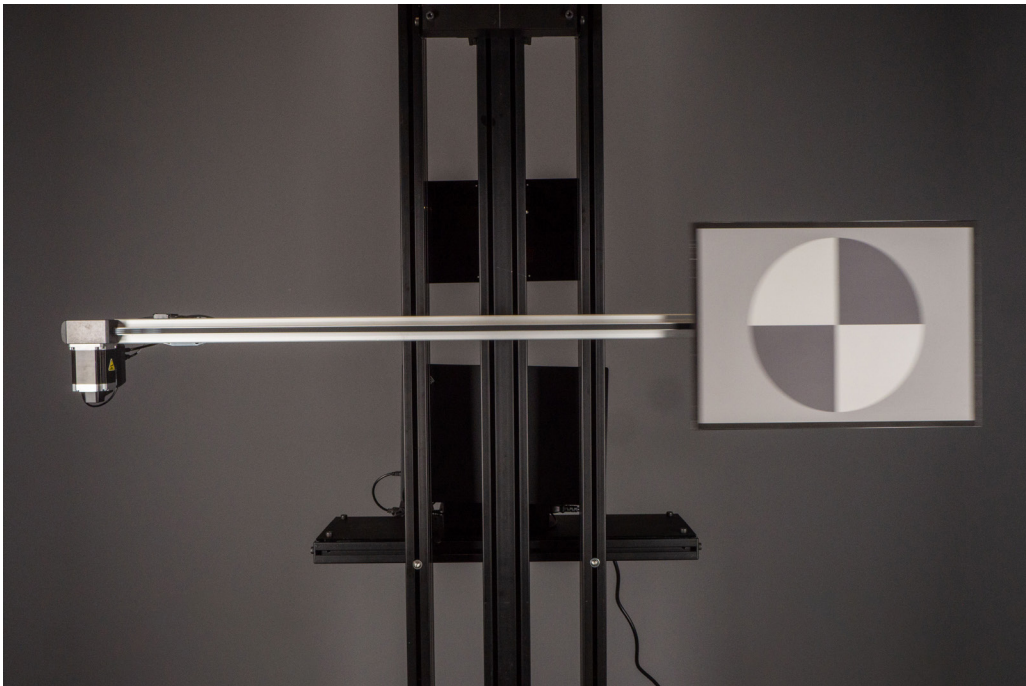
*Add-on to the Imatest Modular Test Stand*

## Why Choose the Imatest Linear Motion Blur Module?

Test rolling shutter and the effects of moving objects using a computer controlled stage with precise linear movements. Simulate scene motion. This add-on module to the Imatest Modular Test Stand allows you to test motion blur.

## MTS Reflective Module Features

- ✓ Includes a recirculating ball bearing carriage which provides high load and 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 target, change the device settings, and write custom scripts.
- ✓ The linear stage system includes an indexed knob which provides manual control
- ✓ Travel: 1150mm
- ✓ Maximum Speed: 3000 mm/s
- ✓ Control Interface: USB Serial, Zaber Console Software, Python 3 - Zaber Motion Library





# Imatest Linear Motion Blur Specifications

Specifications	Details
Weight	7.71 Kg (17lbs)
Slider Dimensions	1489.7mm x 134mm x 76mm
MTS-2m Dimensions (w/ slider)	1489.7mm x 2395mm x 2020mm
Linear Motion	Travel: 1150mm   Maximum Speed: 3000 m/s
Microstep Size (Default Resolution)	7.03125 $\mu\text{m}$
Precision	Accuracy (unidirectional): 1,037.5 $\mu\text{m}$   Repeatability: < 20 $\mu\text{m}$
Backlash	< 250 $\mu\text{m}$
Motor Power	Peak Thrust: 90N   Maximum Torque: 180 N•cm
Operating Temperature Range	0 to 50 °C
Maximum Load	Maximum Centered Load: 500 N   Maximum Cantilever Load: 5 N•m
Electrical	Maximum Current Draw: 3500 mA

