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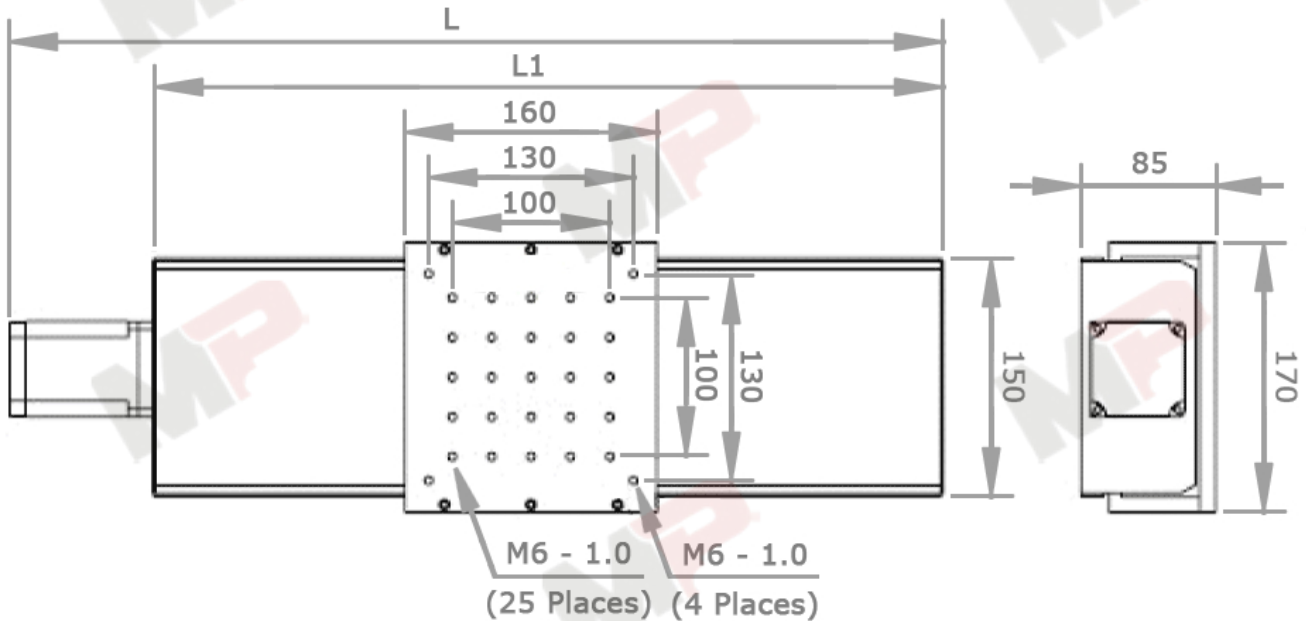
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The model, MT160X Series, motorized linear stages are idea for applications that require long travel, high precision, large area and high loading capacity such as measurement, CNC machine and inspection.

## Precised Motorized Linear Stages Ranges up to 600 mm with Dust-Proof Cover

The large-area platform is supported by four recirculating ball carrier bearings mounted to the slide guides. And the high precise recirculating ball screw requires a minimal backlash and produces a smooth and accurate positioning.



Model	MT160X-100D	MT160X-150D	MT160X-200D	MT160X-300D	MT160X-400D	MT160X-500D	MT160X-600D
Total Length (L)	495 mm	545 mm	595 mm	695 mm	795 mm	895 mm	995 mm
Length (L1)	400 mm	450 mm	500 mm	600 mm	700 mm	800 mm	900 mm

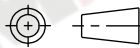
### Key Features

- Long-travel ups to 600 mm
- Requires totally-enclosed type of Dust-Proof Cover
- Multipile stages can be stacked in XY, XZ or XYZ system
- Large-area platform for use in applications of high load
- High-load capacity ups to 50 kg in horizontal position, and 10 kg in vertical
- Motors can be changed into Servo Motors or YOUR motors.

#### Motorized Linear Stage

Travel Range	from 100 to 600 mm
Platform	160 mm x 160 mm
Max. Load	50 kg (Horizional)
Drive Mechanism	Ball Screw w/ 5mm pitch
Travel Guide	Ball Slide Guides
Max. Velocity	40 mm/sec
Design Resolution	1.25 $\mu$ m/Pulse
Repeatability	< 6 $\mu$ m
Accuracy	< 8 $\mu$ m
Backlash	< 8 $\mu$ m

DRAWING  
PROJECTION



	NAME	DATE
DRAWN	JS	2/17/2014
APPROVAL	GW	2/20/2014

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MODEL NO.: MT160X

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

REVISION: 01