

XYZ Heavy Duty Translation Stages

These translation stages are designed for positioning heavy loads in X, Y and Z directions precisely without play and wobble. Preloaded roller bearing guides are used for all the three axes for friction free and play less movement. Even with heavy loads, movements are smooth and effortless. Worm gear drive is used in Z axis where as lead screw drive is used for X and Y axes. Top surface of the stage is provided with M6 tapped holes at 25 mm grid. Linear scale with vernier is provided for measured and repeatable positioning. The stage is constructed in aluminium alloy and given a black anodized finish. These stages can be made available in various sizes, travel ranges, heights and load capacity.

Holmarc manufactures translation stages for heavy duty applications. Products described in this section can be used to position objects as heavy as 50 kgs with ease. Worm gear mechanism is used for Z axis for handling heavy lifting loads. X and Y axes have leadscrew drives with engaged nuts. Linear scales are attached to the side of the stages for taking measurements. These series are available in custom sizes and specification as per request.



- ▶ Travel : 100mm XYZ Axis
- ▶ Load Capacity :50kg
- ▶ Drive : Lead screw
- ▶ Straight Line Accuracy : 10 microns
- ▶ Linear Resolution XY Axis :1mm/ Rotation
- ▶ Z Axis : 0.8mm/Rotation
- ▶ Read Out : 0.1mm (Venire Scale)
- ▶ Guide way : Precision Ball Bearing Guide Way

- ▶ Construction Material : Aluminum Alloy B51S
- ▶ Finish : Black Anodized (Aluminium)
- ▶ Mounting Holes : M6 Tapped Holes on Carriage
: M6 CLR Slot for Mount the Stage to breadboard

Model No:	Travel	Size(LXBXH)
XYZTS-200200-3	X-100, Y-100, Z 100	200x200x200mm
XYZTS-250200-3	X-100, Y-100, Z 100	250x200x240mm

