

# MOTORIZED THETA 2 THETA STAGE



ISO 9001:2015 Certified

# Motorized Theta 2 Theta Stage

**Model : MRS-T2T-200**

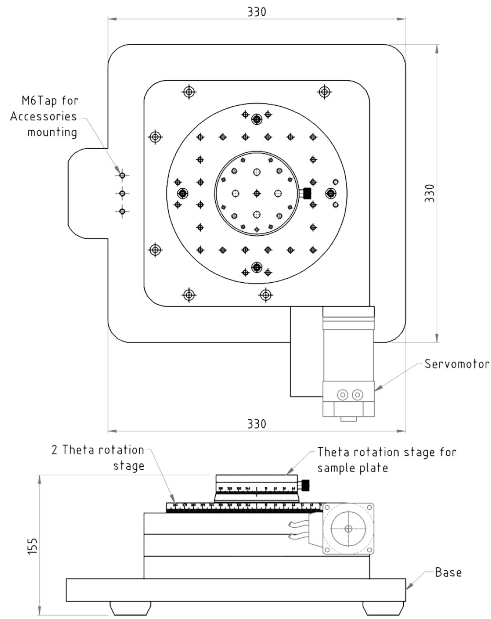


**360° limitless movement**

**Preloaded ball bearing guides**

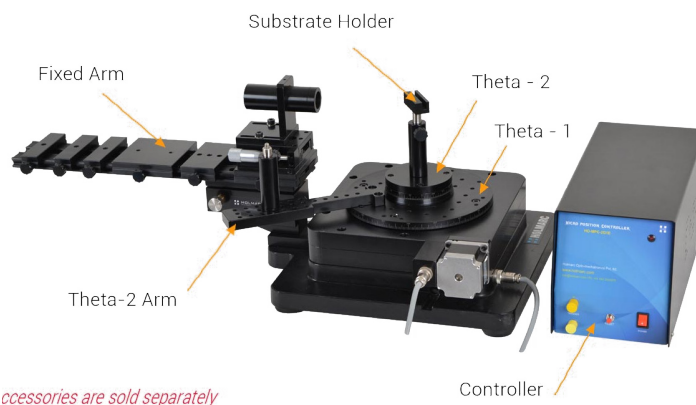
Holmarc's theta 2 theta stage consists of two rotation stages arranged in such a way that axis of rotation for both the stages are same. Both stages have preloaded ball bearing guides for wobble free rotation and positioning. 360° limitless movement is possible for inner and outer stages. Holmarc manufactures these stages with manual as well as motorized drive configurations. Rotary graduations are provided in 1°/2° with appropriate vernier graduations depending on the size of the stage. For motorized rotation stage, worm and gear is our standard drive mechanism. Surfaces of both stages are provided with M6 tapped holes for mounting components and subassemblies. Holmarc manufactures custom theta 2 theta stages to suit specific applications as well.

# controller sold separately



## Specifications

Absolute positioning accuracy	Theta-1 : 0.05 degree
	Theta-2 : 0.05 degree
Repeatability	Theta-1 : 0.1 degree
	Theta-2 : 0.1 degree
Resolution	Theta-1 : 0.000625 degree
	Theta-2 : 0.000625 degree
Construction	Aluminum alloy on any rust free
Finish	Black anodized
Travel	Theta-1 : 360 degree continues
	Theta-2 : 300 degree
Feedback	Nil
Drive	Theta-1 : Stepper Motor
	Theta-2 : Stepper Motor
Maximum speed	Theta-1 : 8 degree / sec
	Theta-2 : 8 degree / sec
Limit switches	Theta-1 : Optical home sensing limit switch
	Theta-2 : Optical limit switches @ 300 degree apart
Mounting holes	Linear stages : M6 tapped holes
Pay-Load	Theta-1 : 5 Kg
Mounting holes	Theta-2 Arm : 8 kg
Finish	Fixed Arm : 5kg
Accessories	Accessories sold separately
Approximate Size	400 x 425 x 155 mm
Controller	2 axis stepper motor controller



*Accessories are sold separately*

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