



# 2860 Series X-Y and Theta-X-Y Manual Translation Stage

Catalog Number 2860-100, 2860-101



## Features

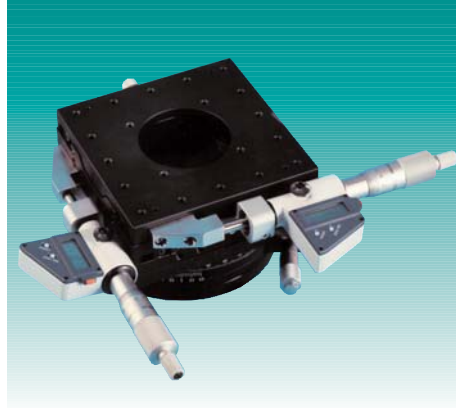
- Capacity: 1 kN (200 lb, 100 kgf)
- Both X-Y axes are adjustable via digital micrometers with a digital display resolution of one micron
- Travel (X and Y):  $\pm 12.5$  mm (0.5 in)
- Temperature: Ambient only
- Fitting: Mounts directly on the base of the 5548/ 5848 frame via a central M10 bolt (an optional Type Om adapter is also provided)
- On the top surface of the stage, a bolt pattern is provided for mounting of accessories, load cells and adapters. Included are: Mounting plate for attaching 2530-400 series load cells and a Type 'O' interface adapter.

## Description

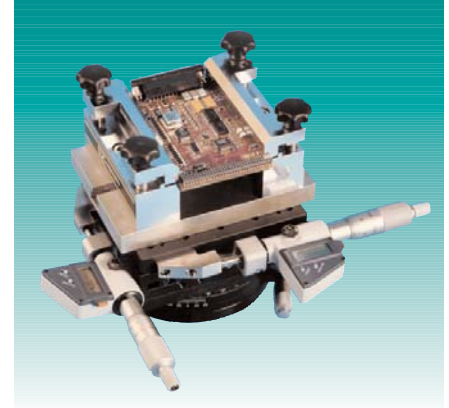
The Theta-X-Y manual translation stage provides the facility to precisely position and align a test specimen below the actuator (two axes). Theta (angle) and X-Y axes are also adjustable via digital micrometers. The rotary axis can be adjusted via a micrometer and has a vernier scale readable to 5 ft. The X-Y axes micrometers have a resolution of 1 micron. The axes are arranged with the angle stage at the base, with the X-Y stage on top, this allows the test platform to be oriented with the X-Y axes referenced to the specimen.

### Notes:

1. 2860-101 (Theta-X-Y) only: The axes are arranged with Theta-Z at the bottom, followed by X and Y. This allows the test platform to be oriented with the X-Y axes referencing the specimen. The Theta-Z has a vernier scale readable to 5 ft with a precise adjustment via a micrometer screw.



▲  
2860-101 Theta-X-Y manual translation stage



▲  
2860-101 Theta-X-Y manual translation stage fitted with 2860-200 PCB clamping stage

## Application

The X-Y and Theta-X-Y manual translation stages provide the facility to precisely position and align a test specimen. Typical applications include lead pull and component pull off tests on microelectronic devices and PCB's.



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