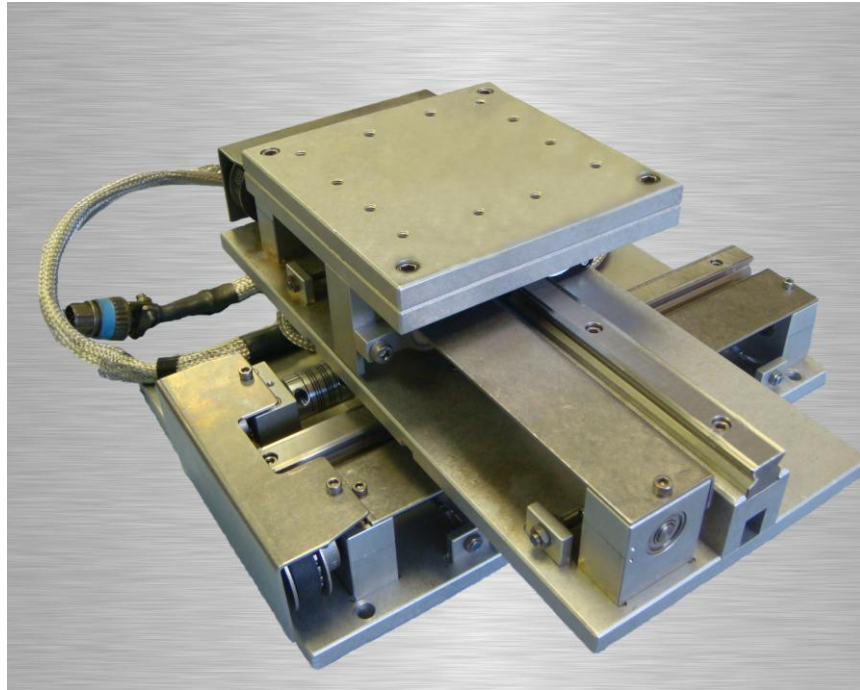


## Low Profile CNC X-Y Tables SPECIFICATION SHEET for Models CNCXY-12 & CNCXY-18



### Special Features:

- Low profile to maximize useable work space.
- Self contained with motors wrapped under the tables.
- Low stray magnetic field to prevent beam movement during welding.
- High vacuum compatible components and vented holes to minimize pump down time.
- Stepper motor drives for reliability and wide range performance. (No D.C. motors or gearboxes are used.)
- Can be used with CNC controller or variable speed X-Y joystick controller.
- Weld spatter guards cover all lead screws and wiring.
- A removable aluminum worktop allows for replacement should it become damaged by the electron beam. The top has a series of tapped holed for attaching other tooling or work pieces.
- Limit switches cut off power to the motors should over travel occur.
- A single connector (19 way) is used to mate with a hermetic connector in the side or base of the chamber

**General Description:**

The worktable is compact, lightweight, and rigidly constructed to give repeatable results over long periods of time. An external CNC controller can provide speed-control and programming. When only straight-line control is required, a simpler variable speed control box can be used. The standard motors are of the “stepper” type for compactness, reliability, wide speed range, and good torque characteristics at low speeds and compatibility with high vacuum operation.

The tables run on hard, ground THK rails with roller bearings, which are accurately aligned and capable of carrying the specified loads. They have long life and low friction characteristics. The ball screws and nuts, which drive the tables are fully protected from debris and weld spatter. A series of tapped holes in the worktable provide for the attachment of the tooling or work pieces.

<b>SPECIFICATIONS</b>	<b>CNCXY-12</b>	<b>CNCXY-18</b>
<b>Base Size</b>	11” x 11”	17” x 17”
<b>Height</b>	4.925”	5.000”
<b>Weight</b>	16.5 lbs	24.50 lbs
<b>Work top size</b>	5” x 5”	8.75” x 9.0”
<b>Travel in X &amp; Y</b>	5.50”	8.50”
<b>Speed Range</b>	Will depend on drive system, but typically 10 - 100 inches/minute (254-2540 mm/minute)	
<b>Load Capacity</b>	100 lbs	100 lbs
<b>Positional Accuracy</b>	Normally rolled lead screws are used with an accuracy of $\pm 0.002$ ” (0.05 mm). For greater accuracy GROUND lead screws can be fitted at extra cost with an accuracy of $\pm 0.0005$ ” (0.013 mm).	