

Ultra Precision XY CNC Table, runs standalone!

Use to position devices to less than a micron accuracy, or use to CNC lathe cut /mill to < 50 millionths. Thrust load of over 200 pounds can carry heavy loads.

Unit overcomes problems of typical poor machining tolerances, now you can easily machine or position better than virtually any Robot . Travel is 200mm in X & Y. Weight is 28 pounds.

Complete kit--nothing to buy, includes:

- Gcode/Robot System runs 5,000 lines of gcode--no PC, PLC, or external controller needed!
- Power supplies and AC cords, power strip
- CNC system RS232 cables
- Switch box (not shown) for manual positioning.

Stepper Motor = 800 half-steps/rev

Gear ratio = 64/16 = 4.00

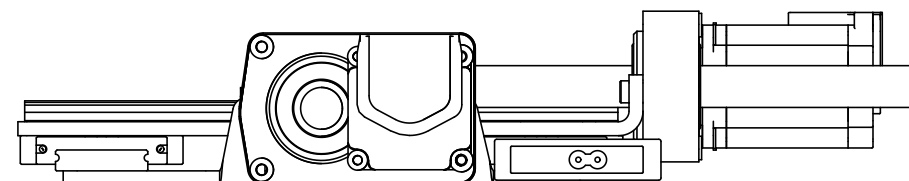
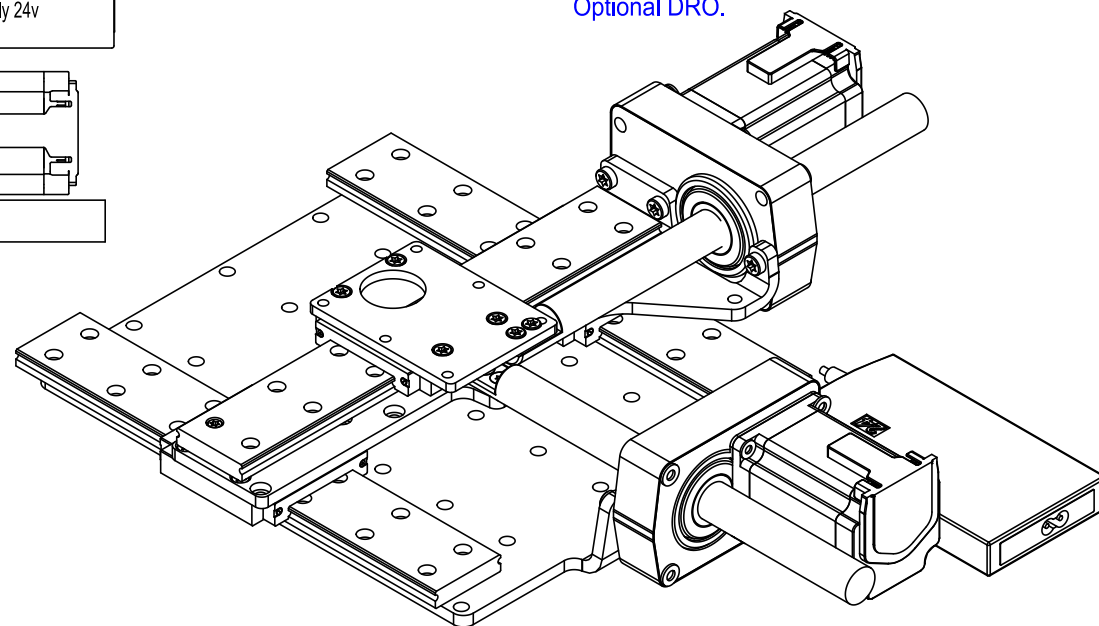
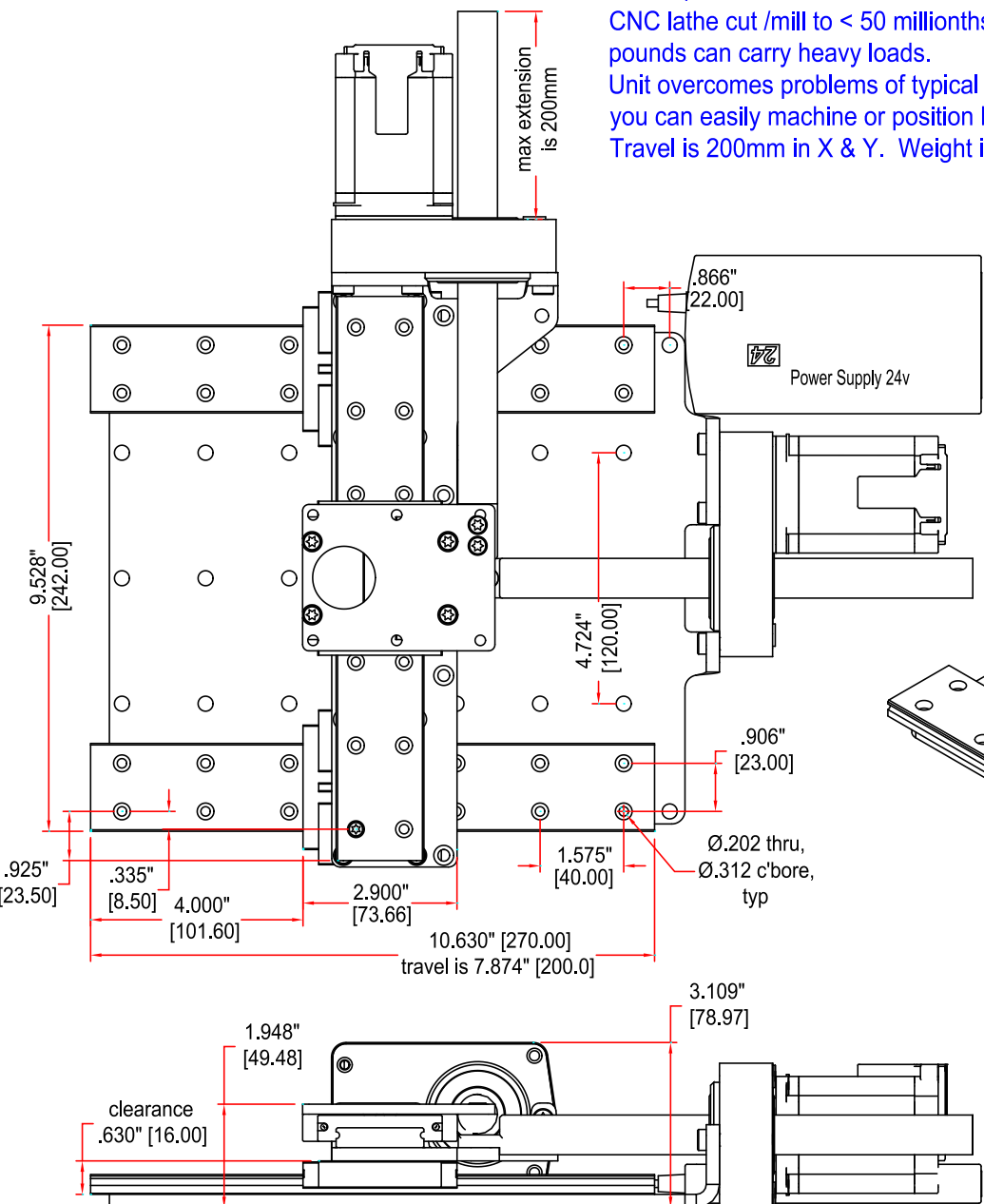
Leadscrew pitch = .100", thus resolution =

.100/800/4 = 31.25 millionths/step = 0.794 μm.

Top speed = 15,000 sps x 31.25 millionths ~ .5"/sec.

Each axis can be calibrated for higher precision.

Optional DRO.



XY200-200-57 shown, with two Au57-76M

XY200-200-60 same, with two Au60-45 for 2X speed and half the resolution

scale: 28%

EXCITRON

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Warning--motors can cause severe injury. Specifications subject to change without notice. Rev. A

Faster Than Fast! ®

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Ultra-Precision CNC XY Table