

MRT9.5-42-180 Features:

- Complete full-featured robotic Rotary Table for automation, remote control, and indexing any way you need, very easy.
- Ultra-small fully-integrated assembly fits tight spaces.
- Onboard Joystick for quick jogging and positioning--no PC!
- CNC/Gcode ready--load, store, view, & run > 25,000 gcode lines.
- 8-Axis capability for controlling up to 7 slave Excitron Controllers & various pumps, valves, spindles, etc., external relays required.
- Variable speed from 0 to ~15,000 half-steps/second.
- Change direction, distance, speed on-the-fly, & add time delays.
- Can run automatically when powered up, and auto-repeat forever.
- Automatic 2 second electronic damping at end of run.

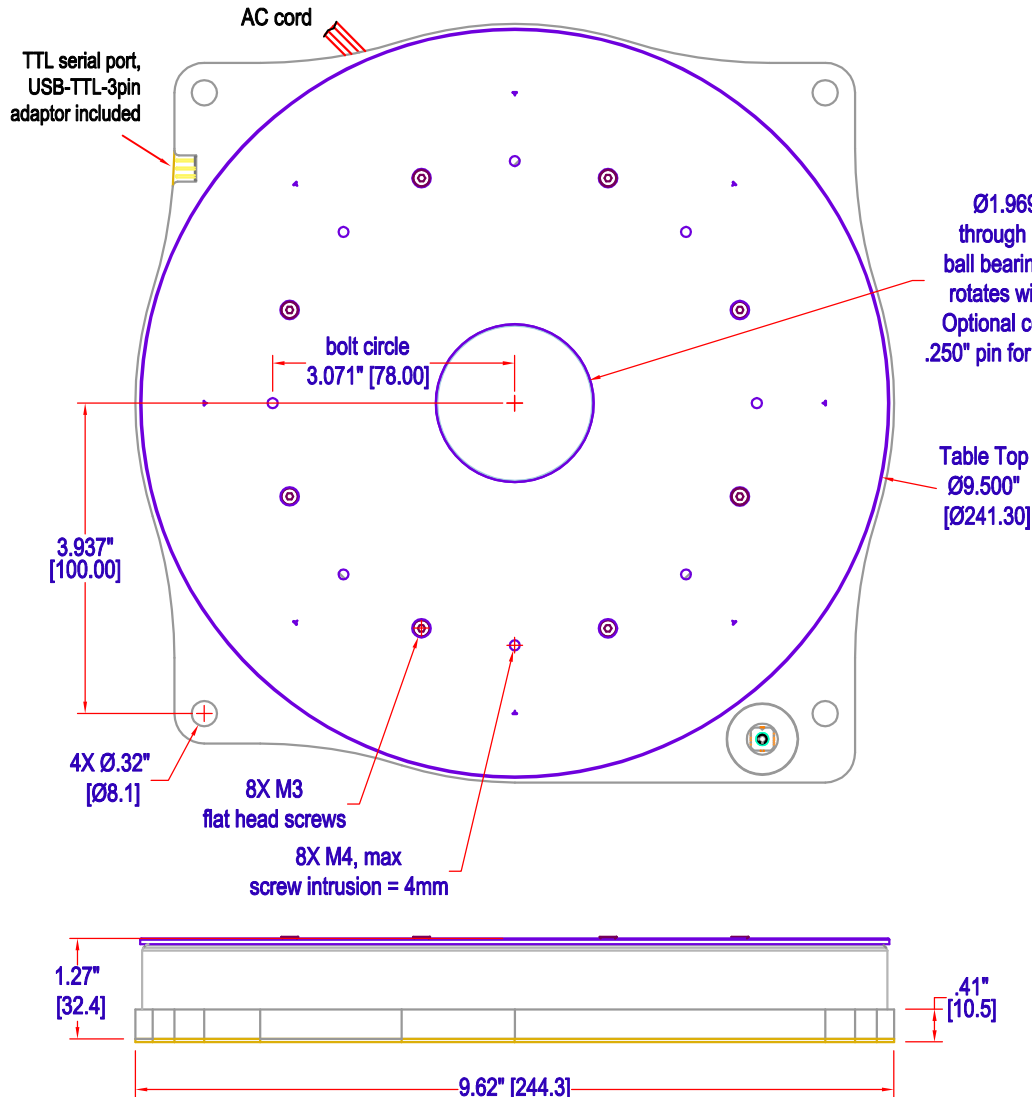
- 180:1 gear ratio gives you 144,400 half-steps/rev.
- Can rotate a 200 pound 9" diameter load.
- Resolution is $\pm 0.0025^\circ$, which is 400 halfsteps/degree.
- Built-in Home sensor and cycle counter.
- PWM current limiting power circuit for high speed and torque.
- $\pm 30,000$ volt transient static protection.
- Temperature limited to 170°F (77°C), prevents burn-out.
- TTL Serial port with 3.3v transmit and receive, USB-TTL included.
- Single +Vs 5.2 to 24 voltage supply, no other supplies needed.
- Most energy efficient Controller in the world--only 22 mw typical.
- Top speed is ~15 rpm, rotates 45° in ~.2 seconds.
- Weighs 9 lbs.

Items included:

- Complete ready-to-run out of the box using the Joystick --no PC!
- X42-33 *intelligent* precision stepper motor and controller/driver, see Excitron_X42_Series.pdf.
- USB-TTL-3pin adaptor for plugging to PC or smart phone USB.
- AC/DC universal power supply 100-240 vac 50/60 hz mounted internally, works anywhere in the world.
- AC power cord, not shown.
- 2 cable clamps.

Options:

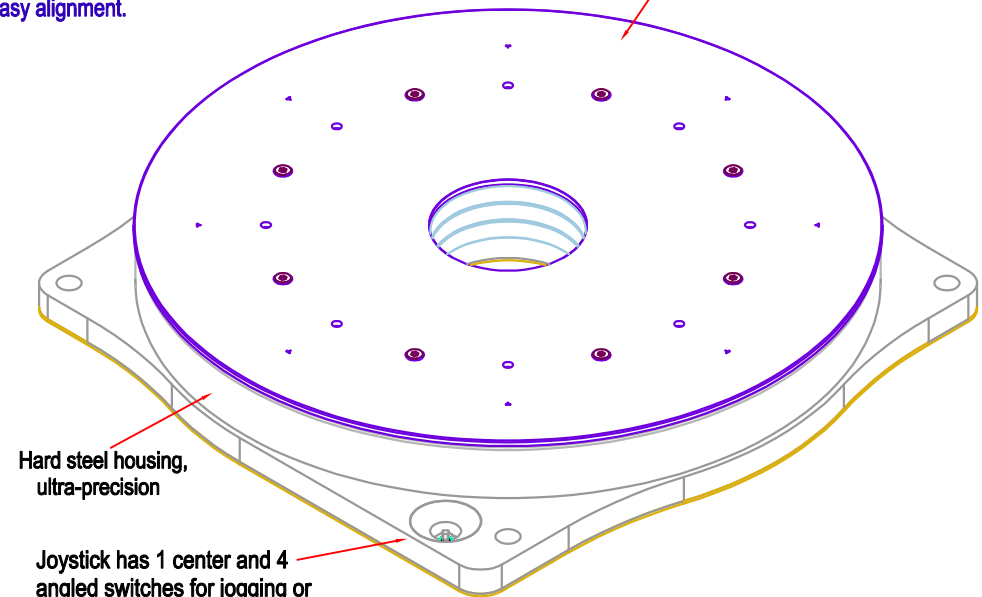
- *Dual* X42-33 *intelligent* precision stepper motor and controller/driver for 2X the torque.
- Custom table tops for mounting your fixtures.
- Center disk with $\varnothing.250$ " dowel pin for easy alignment.



$\varnothing 1.969$ " [$\varnothing 50.00$]
through hole of large
ball bearings, inner race
rotates with Table Top.
Optional center disk with
.250" pin for easy alignment.

order #:
MRT9.5-42-180

Stainless steel Table top, can be
customized for your mounting.



Joystick has 1 center and 4
angled switches for jogging or
continuous motion. All are
configurable for running Motion
Profiles. If running, switches
change to:



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