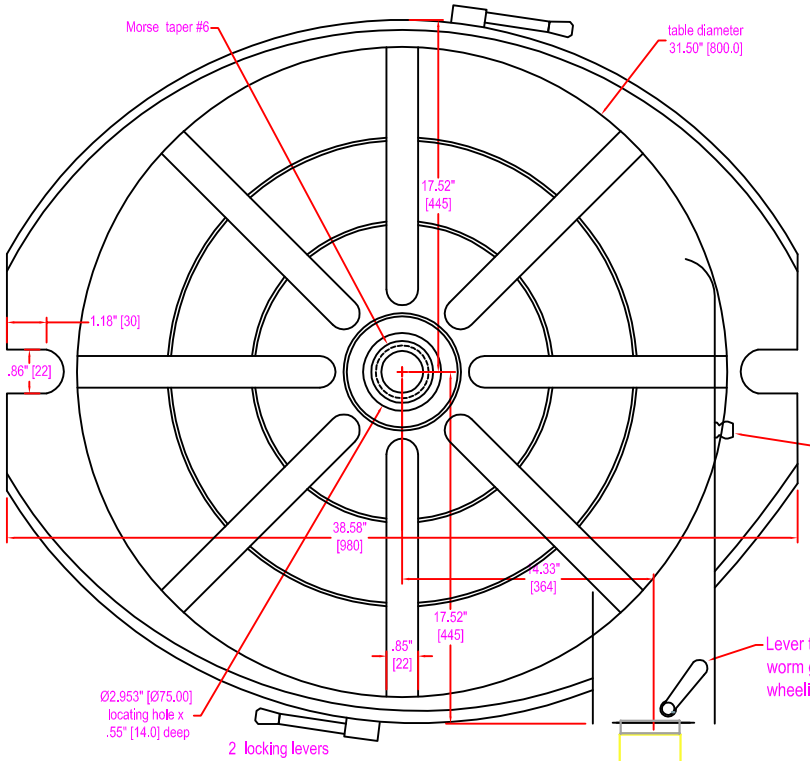
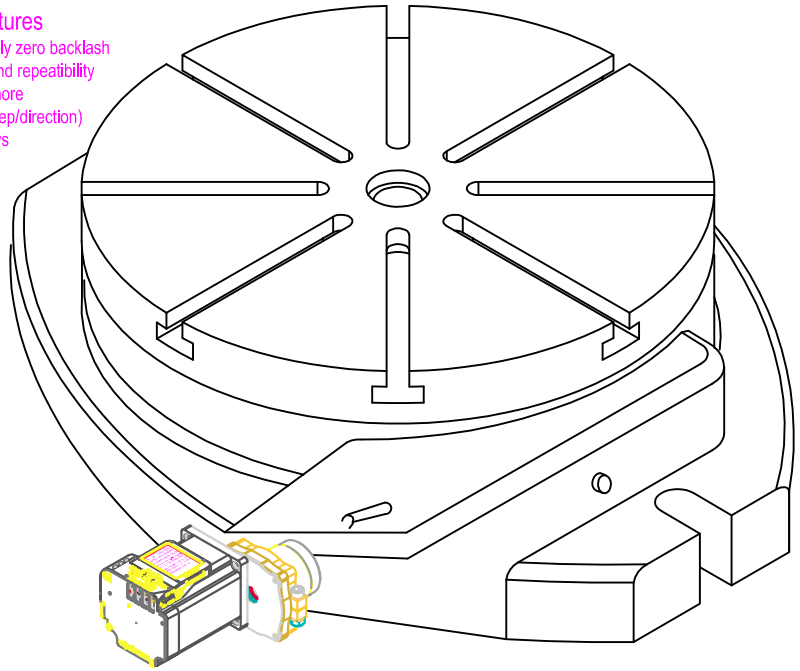


MRT31 Motorized Rotary Table Key Features

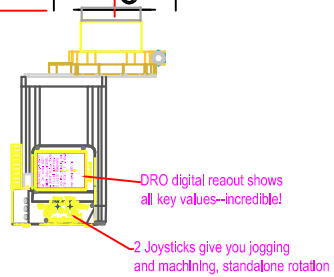
- Precision ground heavy-duty worm gears with virtually zero backlash
- Perfect indexing to any degree with high accuracy and repeatibility
- Control speed, direction, angle, repeat action, and more
- 2 TTL serial ports, 4 Input Pins, *and* Driver Mode (step/direction)
- Automatic repetitive motion possible, with time delays
- Torque tested with 3 men standing on Table
- Table self-locks when motor is not rotating, and 2 locking levers included, but leave unlocked.
- Complete kit ready-to-run

Items included but not shown:

- PS24-72W power supply, connector, AC cable, works anywhere in the world–100-240vac 50/60 hz
- USB-TTL-3 Adapter cable (3 pins)
- Two 4" Input cable 3 pin, open 1 end
- Silicone clear hi-temp sheet, for splash guard
- Table base mounting hardware



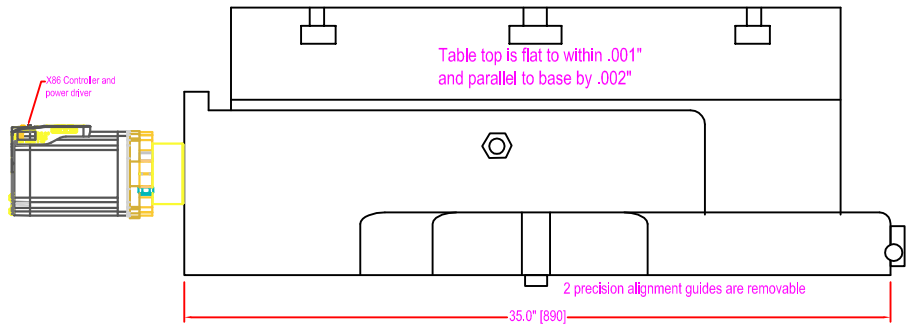
648:1

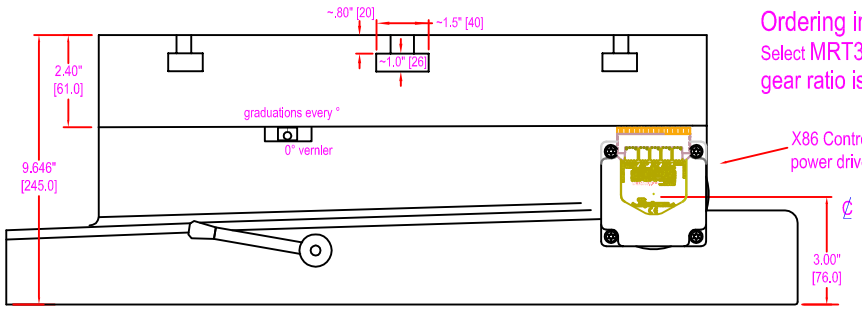


Important!
Includes a very high capacity needle roller bearing for heavy table top loads. Gives you almost feather touch force needed to rotate. You ahve much more output force and torque.

Ratio	RPM	Steps/rev	Resolution	Ideal torque	Typ torque
120:1	10.8	48,000	.0075°	5,000 in-lb	2,500 in-lb
648:1	1.0	259,200	.00139°	20,000 in-lb	7,000 in-lb

Torque is more than enough to mill steel with a Ø1.000 cutter. Top speed of 6,000 motor half-steps/sec used in table, speed may be higher. Weight is 1,920 pounds, ships in 2-3 boxes.





Ordering information:

Select MRT31-86-1186, only one gear ratio is available--648:1.

See Rotary Tables product page and Documentation link for Controller Manual, X86 Series drawing, and X86-5.4_Gearhead_dwg for motor and controller details.

Warning--keep body parts from rotating parts, injury may result.

EXCITRON
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MRT31-86-156