
P/C 350 Triax Router Specifications

STATION SIZE:

Active Spindles	1	21" x 24"
	2	18" x 24"

ACCURACY X, Y & Z:

Square and Linear	+/- .001"
Absolute Positioning	+/- .001"
Repeatability	.0005"

WORK TABLE:

	Cast Aluminum Alloy
Size	36.5" x 24"
X Travel	22"
Y Travel	24"
Ways	Hardened and Ground Steel Supported 1 1/2" Diameter
Bearings	Precision Linear Ball Bushings
Protection	Integral Wiper Seals

Z-AXIS OVERHEAD:

Z Travel	2.1"
Ways	Hardened and Ground Steel 2" Diameter
Bushings	Heavy Duty Bronze

SERVO SYSTEM:

Amplifiers (3)	Pulse Width Modulated
Axis Drive Motors	Low Inertia D.C. Servo
Position Feedback	Rotary Optical Encoder
Leadscrews	1" Precision Ground with zero backlash ballnut

SPINDLES & DRIVE MOTOR:

Number/Spacing	2 on 18.5" centers
Runout	.001" T.I.R.
Speed	24,000 rpm
Motor	2 h.p. constant torque
Tool change	Manual 3/8" collet capacity
Chip Removal	Patented Vacuum Scavenge/Brush holddown

POWER REQUIREMENTS:

Voltage	230/460 VAC, 3 Ø, 50/60 Hz
Current	20 amps
Air pressure	80 PSI Shop air
Vacuum	4.5" Hg at 300 CFM

DIMENSIONS:

Size	60" x 60" x 66"
Weight	1,850 lbs.

NOISE LEVEL:

Idling	Less than 85 dbA
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TurboCam CNC HARDWARE:

COMPUTER: 486 CPU with system executive in 500kb of EPROM.

MEMORY: 64kb of RAM for part program storage with battery backup, equivalent to 500 feet of tape.

DISK DRIVE: 1.44Mb; 3 1/2" floppy, DOS compatible.

OPERATOR CONSOLE: 14" VGA monochrome monitor, alphanumeric keypad, and machine controls.

SERIAL INTERFACE: Dual RS-232 ports.

SPEED/RESOLUTION: 400 ipm Contouring with .0001" resolution.

PROGRAMMING & OPERATIONAL FEATURES

Program build and edit, simultaneous to machine operation.

Mass program storage in RAM and on floppy disk.

"Trig" help to simplify complex geometry problems.

Graphic verification of tool path and part edge.

Auto routines to speed programming.

Nested subroutines for step and repeat functions.

Error messages and diagnostics.

P/C 350 TRIAX ROUTER OPTIONS

Pneumatic tool release; 1/2" collet with 1/8", 3/16" and 1/4" tool holders.

Programmable variable speed, 6,000-24,000 rpm, 3 h.p. motor.

14" VGA color monitor.

Precision high speed spindle, 48,000 rpm.

Environmental Enclosure.