

TORMACH® 1300PL®



TRAVELS

X-Axis	50 in. (1270 mm)
Y-Axis	51.5 in. (1308 mm)
Z-Axis	3.9 in. (100 mm)

MAXIMUM FEED RATE

X- and Y-Axis	1,000 IPM (25.4 m/min)
Z-Axis	120 IPM (3.0 m/min)

TABLE SPECIFICATIONS

Table Size	51.2 in. × 51.2 in. (1.3 m × 1.3 m)
Table Type	Water Table
Material Weight Capacity	750 lbs. (340 kg)
Liquid Capacity	59 US Gallons (223 liters)

MACHINE SPECIFICATIONS

Machine Footprint	78 in. × 70 in. (1.95 m × 1.7 m)
Overall System Height	55 in. (1.4 m)
Typical System Weight	1,232 lbs. (559 kg)

LINEAR MOTION COMPONENTS

X- and Y-Axis Motor	Servo-Driven
Z-Axis Motor	NEMA-23 Stepper
Guideways	Precision Linear Guideway
Power Transmission	Planetary Gear (X-Axis) 5 mm HTD Belt (Y-Axis)

MACHINE CONSTRUCTION

Water Table	Welded Steel
Machine Base	Welded Steel
Gantry Bridge	Aluminum
Gantry Supports	Steel

SHOP REQUIREMENTS

Power Required	Single-Phase 230 Vac, 50/60 Hz, 20A breaker
Air Pressure	Between 90 - 120 psi (620 kPa - 825 kPa). If air supply is greater than 120 psi (825 kPa), you must use a regulator.

RESOLUTION AND ACCURACY

Resolution	0.0005" (0.0127 mm)
Repeatability	±0.001 in. (±0.0254 mm)
Positional Accuracy	0.005 in. / ft (130 micron / 300mm)

MACHINE CONTROLLER

POWERED BY
PathPilot®
A Better User Experience

PathPilot® HUB

PathPilot HUB is a browser-based, full-featured PathPilot simulator, producing usable G-Code.

- User-friendly design
- Cloud-based simulator via PathPilot HUB
- Intuitive conversational programming
- DXF import capability
- Auto Cut Feeds & Speeds Calculator built in
- Usable G-Code Memory: 80 GB
- Built-in Dropbox™ support for seamlessly transferring programs

TORCH

Plasma Source Options	Hypertherm • Powermax45 XP • Powermax65 • Powermax85
Torch Type	Floating head with digital torch height control (THC)
Torch Features	Breakaway torch with collision detection

DELIVERY NOTES AND WARRANTY

Liftgate-Ready?	Yes, it's liftgate-ready — Forklift not required
Required Equipment	Pallet jack and an engine hoist or gantry crane
Warranty	2 Years