

CNC PLASMA TABLE FOR EDUCATION

1300PL CNC PLASMA TABLE



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 (Table)	Single-Phase 230 Vac, 50/60 Hz, 20A breaker
Compressed Air (Clean, Dry Air)	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	
<p>POWERED BY PathPilot[®]</p> <p>A Better User Experience</p>	User-friendly design
	Cloud-based simulator via PathPilot HUB
<p>PathPilot HUB is a browser-based, full-featured PathPilot simulator, producing usable G-code.</p>	Intuitive conversational programming
	DXF import capability
	Auto Cut Feeds & Speeds Calculator built in
	Usable G-code Memory Controller: 80 GB
	Built-in Dropbox™ support for seamlessly transferring programs

ABOUT PathPilot HUB	
<p>PathPilot is a web-powered, browser-based, full version of PathPilot software interface for any machine in the Tormach CNC lineup.</p> <p>Teachers use PathPilot HUB to replace expensive CNC simulators. Students can experiment and study before they ever touch the equipment.</p> <p>Once students prove out their code virtually, they can sign into HUB on the physical Tormach machine and sync their files. Then, they run programs using their PathPilot HUB-generated G-code.</p>	

TORCH	
Plasma Source Options	Hypertherm <ul style="list-style-type: none"> • 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

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TORMACH®
1300PL®

CNC PLASMA TABLE PACKAGE COMPARISON



1300PL CNC PLASMA TABLE EDUCATION PACKAGES		BASIC	INTERMEDIATE	ADVANCED
MACHINE				
1300PL CNC Plasma Table		✓	✓	✓
1300PL CNC Plasma Table Owner's Kit		✓	✓	✓
SYSTEM CONTROL				
PathPilot Controller with Controller Arm / Vesa Mount / Waterproof Mini Keyboard / Waterproof Mouse / Cable Kit / Wireless (Wi-Fi) Network Adapter / Jog Shuttle Controller		✓	✓	✓
Monitor & Controller Arm	Touchscreen Monitor		✓	✓
	Standard LCD Monitor	✓		
PathPilot Software Bootable USB Drive (Recovery Media)		✓	✓	✓
PLASMA CUTTING SYSTEMS				
Hypertherm Powermax45 Plasma System		✓		
Hypertherm Powermax65 Plasma System			✓	
Hypertherm Powermax85 Plasma System				✓
CONSUMABLES				
Hypertherm Essential Consumable Kit for 45 Amp Torch		✓		
Hypertherm Essential Consumable Kit for 65 Amp Torch			✓	
Hypertherm Essential Consumable Kit for 85 Amp Torch				✓
ACCESSORIES				
Hypertherm Shade 5 Goggles		✓		
Hypertherm Shade 8 Face Shield			✓	✓

*All package prices subject to change without notice.

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