

# SPEC SHEET

## 1300PL CNC PLASMA TABLE

TORMACH.COM/1300PL

### TRAVELS

|        |                    |
|--------|--------------------|
| X-Axis | 48.5 in. (1232 mm) |
| Y-Axis | 50 in. (1270 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.<br>(1.3 m × 1.3 m) |
| Table Type               | Water Table                            |
| Material Weight Capacity | 750 lbs. (340 kg)                      |
| Liquid Capacity          | 59 US Gallons<br>(223 liters)          |

### MACHINE SPECIFICATIONS

|                       |                                     |
|-----------------------|-------------------------------------|
| Machine Footprint     | 78 in. × 70 in.<br>(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)<br>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,<br>50/60 Hz, 20A breaker   |
| Air Pressure   | Between 90 - 120 psi<br>(620 kPa - 825 kPa)<br>If air supply is greater than 120 psi<br>(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) |

### WARRANTY

1-Year Warranty against defects in material and workmanship.  
Extended Warranty available.



### MACHINE CONTROLLER

POWERED BY  
**PathPilot**<sup>®</sup>  
A Better User Experience

**PathPilot**<sup>®</sup>  
**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 <ul style="list-style-type: none"> <li>• Powermax45</li> <li>• Powermax65 SYNC</li> <li>• Powermax85 SYNC</li> <li>• Powermax105 SYNC</li> </ul> |
| Torch Type            | Floating head with digital torch height control (THC)   |
| Torch Features        | Breakaway torch with collision detection  |

### DELIVERY NOTES

|                    |   |
|--------------------|---|
| Liftgate-Ready?    | Yes, it's liftgate-ready<br>— Forklift not required |
| Required Equipment | Pallet jack and an engine hoist or gantry crane     |