TRAVELS

X-Axis	19.7 in. (500 mm)
Y-Axis	13.8 in. (350 mm)
Z-Axis	14 in. (356 mm)
Spindle Nose to Table	3.7-17.7 in. (96-450 mm)

SPINDLE

Spindle Power (Continuous)	4 hp (3 kW)
Spindle Power (Peak)	6 hp (4.5 kW)
Spindle Speed	250-10,000 RPM
Spindle Taper	BT30
Thread Machining	Rigid Tapping

MAXIMUM FEED RATES

X- and Y-Axis	1,200 IPM (30.5 m/min)
Z-Axis	600 IPM (15.2 m/min)

POWER AND AIR

Power Required	Single-Phase 230 Vac, 50/60 Hz, 30A breaker*
Plug Pattern	NEMA L6-30P
Air Required	90-120 psi

MACHINE SPECIFICATIONS

Table Size	35 in. × 12.75 in. (0.9 m × 0.3 m)
Typical System Footprint (including coolant tank)	86 in. × 104 in. × 94 in. (2.2 m × 2.6 m × 2.4 m)
Typical System Weight	2800 lbs. (1270 kg)
Maximum Weight on Table	300 lbs. (136 kg)

PERFORMANCE

Testing	Ballbar testing on every machine

KEY COMPONENTS

Frame	Bonded epoxy granite base and column castings
Ways	Linear rails
Motion System	EtherCAT control system

SHIPPING

Pallet Weight	**Premium:** 3210 lbs. (1456 kg) **Basic:** 2650 lbs. (1202 kg)
Crate Dimensions	**Premium:** 68 in. × 74 in. × 89 in. (1.7 m × 1.9 m × 2.3 m) **Basic:** 54 in. × 58 in. × 89 in. (1.4 m × 1.5 m × 2.3 m)

*Additional outlets may be required for optional accessories.

OPTIONAL ACCESSORIES

- 16-pocket automatic tool changer (ATC)
- microARC 6 – 6 in. (150 mm) 4th axis rotary table
- 36-gallon flood coolant tank and manual sprayer
- Automatic enclosure washdown system
- Wireless probe and tool setter
- MQL system
- Through-spindle coolant (coming fall 2024)
- Mist collector (coming fall 2024)
- Chip conveyor system (under development)

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.

- Powerful conversational programming: Use simple, fill-in-the-blank templates
- Built for modern, high-speed machining (HSM) CAM packages (like Fusion 360, SprutCAM, and MasterCAM)
- Expansive 80 GB storage for programs and setup data
- Dedicated tool wear compensation and max RPM fields per tool
- Improved trajectory planning/smoothing
- Ballbar data is added to the compensation table to improve accuracy
- Convenient file management over network or PathPilot HUB

WARRANTY

1-year warranty against defects in material and workmanship. Extended warranty available.

TORMACH®