

SPEC SHEET

770MX CNC MILLING MACHINE

TORMACH.COM/770MX

TRAVELS

X-Axis	14 in. (356 mm)
Y-Axis	7.5 in. (191 mm)
Z-Axis	13.25 in. (337 mm)

SPINDLE

Spindle Power	2 hp (1.49 kW)
Peak Spindle Power	4.5 hp (3.35 kW)
Maximum Speed	10,000 RPM
Spindle Taper	BT30
Tapping & Threading	• Rigid Tapping • Tension/Compression • Thread Mill

MAXIMUM FEED RATE

X- and Y-Axis	450 IPM (11.4 m/min)
Z-Axis	420 IPM (10.6 m/min)

POWER AND AIR

Power Required	Single-Phase, 230 VAC, 20A breaker Supplied with NEMA 6-20P plug; requires NEMA 6-20R receptacle
Air Required	90-120 psi

MACHINE SPECIFICATIONS

Table Size	26 in. × 8 in. (660 mm × 203 mm)
Table Slots	5/8 in. (15.9 mm) (three slots)
Spindle Nose to Table Max Clearance	13.75 in. (349 mm)
Spindle Centerline to Machine Column	8.6 in. (218 mm)
Typical System Footprint	56 in. × 48.5 in. (1422 mm × 1232 mm)
Overall System Height	88 in. (2235 mm)
Typical System Weight	1500 lbs. (681 kg)
Maximum Weight on Table	500 lbs. (227 kg)
EtherCAT Motion System	Absolute Encoder, EtherCAT Servos

FRAME

Frame and Table	Cast iron frame and table, w/ hand-scraped hydrodynamic ways and tapered adjustment gibs
Way Surfaces	Low-friction PTFE-filled, Acetyl-bonded sliding surface. Similar to Rulon® and Turcite®.

WARRANTY

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



ACCESSORIES

PathPilot® Touchscreen Operator Console (Standard)
Air Gun Kit
Mist Collector Kit (Must be Wall or Floor Mounted)
WallControl Compatible Tool / Storage Racks

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