

# SPEC SHEET

## 1100MX CNC MILLING MACHINE

TORMACH.COM/1100MX

### TRAVELS

|        |                    |
|--------|--------------------|
| X-Axis | 18 in. (457 mm)    |
| Y-Axis | 11 in. (279 mm)    |
| Z-Axis | 16.25 in. (413 mm) |

### SPINDLE

|                  |                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------|
| Spindle Power    | 2 hp (1.49 kW)                                                                                                          |
| Maximum Speed    | 10,000 RPM                                                                                                              |
| Transmission     | Poly-V Belt                                                                                                             |
| Spindle Taper    | BT30                                                                                                                    |
| Thread Machining | <ul style="list-style-type: none"> <li>• Rigid Tapping</li> <li>• Tension/Compression</li> <li>• Thread Mill</li> </ul> |

### MAXIMUM FEED RATE

|               |                      |
|---------------|----------------------|
| X- and Y-Axis | 300 IPM (7.62 m/min) |
| Z-Axis        | 230 IPM (5.84 m/min) |

### POWER

|                |                                                                                                               |
|----------------|---------------------------------------------------------------------------------------------------------------|
| Power Required | Single-Phase 230 Vac*, 50/60 Hz, 20A breaker<br>Supplied with NEMA 6-20P plug; requires NEMA 6-20R receptacle |
|----------------|---------------------------------------------------------------------------------------------------------------|

\* ± 10%, best performance at 240 Vac

### MACHINE SPECIFICATIONS

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| Table Size                           | 34 in. × 9.5 in.<br>(863 mm × 241 mm)    |
| Table Slots                          | 5/8 in. (15.9 mm)<br>(three slots)       |
| Spindle Nose to Table Max Clearance  | 17.25 in. (438 mm)                       |
| Spindle Centerline to Machine Column | 11 in. (279 mm)                          |
| Typical System Footprint             | 69 in. × 56.5 in.<br>(1753 mm × 1435 mm) |
| Overall System Height                | 96 in. (2439 mm)                         |
| Typical System Weight                | 1850 lbs. (840 kg)                       |
| Maximum Weight on Table              | 500 lbs. (227 kg)                        |

### FRAME

|                 |                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------|
| Frame and Table | Cast iron frame and table, with 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.



### OPTIONAL ACCESSORIES

- 12-Pocket Automatic Tool Changer
- PathPilot Operator Console
- 4th Axis
- SmartCool™ Coolant System
- RapidTurn® Chuckler Lathe Accessory

### MACHINE CONTROLLER

|                                                                                                                                                                                                              |                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <p>POWERED BY</p> <p><b>PathPilot®</b></p> <p>A Better User Experience</p> <p><b>PathPilot® HUB</b></p> <p>PathPilot HUB is a browser-based, full-featured PathPilot simulator, producing usable G-Code.</p> | User-friendly design                                                                      |
|                                                                                                                                                                                                              | Support for up to 4-axis continuous machining                                             |
|                                                                                                                                                                                                              | Intuitive conversational programming                                                      |
|                                                                                                                                                                                                              | Usable G-Code Memory:<br>PathPilot Controller: 80 GB<br>PathPilot Operator Console: 40 GB |