

COMPARE TORMACH MILLS



| | TORMACH® 1100M | TORMACH® 770M | TORMACH PCNS 221S |
|--|--|--|--------------------------------|
| TRAVELS | | | |
| X-Axis | 18" (457 mm) | 14" (356 mm) | 10" (254 mm) |
| Y-Axis | 11" (279 mm) | 7.5" (191 mm) | 6.25" (159 mm) |
| Z-Axis | 16.25" (413 mm) | 13.25" (337 mm) | 10" (254 mm) |
| SPINDLE | | | |
| Spindle Power | 2 hp (1.49 kW) | 1.5 hp (1.12 kW) | 0.75 hp (0.56 kW) |
| Maximum Speed | 7500 RPM | 10,000 RPM | 10,000 RPM |
| Poly-V Belt Transmission | ✓ | ✓ | ✓ |
| R8 Spindle Taper | ✓ | ✓ | ✓ |
| Tapping | Tension/Compression, Auto-Reversing, Thread Mill | Tension/Compression, Auto-Reversing, Thread Mill | Thread Mill |
| MAXIMUM FEED RATE | | | |
| X- and Y-Axis | 110 IPM (2.79 m/min) | 135 IPM (3.43 m/min) | 135 IPM (3.43 m/min) |
| Z-Axis | 90 IPM (2.29 m/min) | 110 IPM (2.79 m/min) | 110 IPM (2.79 m/min) |
| POWER | | | |
| Primary Power Required | Single-Phase 230 Vac, 50/60 Hz | Single-Phase 115 Vac, 50/60 Hz | Single-Phase 115 Vac, 50/60 Hz |
| Circuit Amperage Required | 20A breaker | 15A breaker | 15A breaker |
| MACHINE SPECIFICATIONS | | | |
| Table Size | 34" × 9.5" (863 mm × 241 mm) | 26" × 8" (660 mm × 203 mm) | 18" × 6.3" (457 mm × 160 mm) |
| Table Slots | 5/8" (15.9 mm) (three slots) | 5/8" (15.9 mm) (three slots) | 3/8" (9.5 mm) (three slots) |
| Spindle Nose to Table Max. Clearance | 17" (432 mm) | 13.25" (337 mm) | 11" (279 mm) |
| Spindle Centerline to Machine Column | 11" (279 mm) | 8.6" (218 mm) | 6.5" (165 mm) |
| Machine Size | 69" × 56.5" (1753 mm × 1435 mm) | 56" × 48.5" (1422 mm × 1232 mm) | 42" × 36" (1067 mm × 914 mm) |
| Overall System Height | 92" (2337 mm) | 88" (2235 mm) | 72" (1829 mm) |
| Typical System Weight | 1600 lb (726 kg) | 950 lb (431 kg) | 600 lb (272 kg) |
| CONTROLLER | | | |
| POWERED BY PathPilot® Controller Standard Features | User-friendly design | | |
| | Support for up to 4-axis continuous machining | | |
| | Intuitive conversational programming | | |
| | 40 GB of system program memory | | |
| | Built-in Dropbox™ support for seamlessly transferring programs | | |