

# SPEC SHEET

## 24R CNC ROUTER

TORMACH.COM/24R

# TORMACH® 24R



| TRAVELS                        |   |
|--------------------------------|---|
| X-Axis                         | 24.75 in. (625 mm)                          |
| Y-Axis                         | 55.75 in. (1415 mm)                         |
| Z-Axis                         | 6.70 in. (170 mm)                           |
| SPINDLE                        |   |
| Spindle Power                  | 2 hp (1.5 kW)                               |
| Spindle Type                   | Electrospindle                              |
| Minimum Speed                  | 10,000 RPM                                  |
| Maximum Speed                  | 24,000 RPM                                  |
| Cooling                        | Water-Cooled (Chiller Included)             |
| Spindle Taper                  | ER20  |
| Thread Machining               | Thread Mill                                 |
| MAXIMUM FEED RATE              |   |
| X-, Y-, and Z-Axis             | 200 in./min (5.0 m/min)                     |
| POWER                          |   |
| Power Required                 | Single-Phase 115 Vac, 50/60 Hz, 15A breaker |
| MACHINE SPECIFICATIONS         |   |
| Table Type                     | Integrated Vacuum Table                     |
| Table Size                     | 26.7 in. x 65 in. (680 mm x 1650 mm)        |
| Gantry Clearance               | 6 in. (154 mm)                              |
| Machine Footprint              | 72 in. x 39 in. (1.8 m x 1 m)               |
| Overall System Height          | 76.5 in. (1.9 m)                            |
| Typical System Weight          | 900 lb (408 kg)                             |
| LINEAR MOTION COMPONENTS       |   |
| Axis Motion                    | Ballscrew and Stepper Driver                |
| Guideways                      | Precision Linear Guideway                   |
| MACHINE CONSTRUCTION           |   |
| Stand                          | Welded Steel (Included)                     |
| Machine Base                   | Cast Iron                                   |
| Gantry                         | Aluminum                                    |
| RESOLUTION AND ACCURACY        |   |
| Resolution                     | 0.00025 in. (0.006 mm)                      |
| Ball Screw Positional Accuracy | ±0.002 in./ft. (±0.167 mm/m)                |
| Repeatability                  | ±0.001 in. (±0.02 mm)                       |

### ACCESSORIES

- Dust Shoe (Included)
- Electronic Tool Setter
- Vacuum Pump

### CONTROLLER

POWERED BY  
**PathPilot®**  
A Better User Experience

- User-friendly visual interface
- 3D toolpath preview
- Support for up to 4-axis continuous machining
- Automatic spindle speed control
- Compatible with standard G-Code
- Intuitive conversational programming
- Built-in Dropbox™ support for seamlessly transferring programs