

MAX5

CNC Machining Centers



5 Axis

THERMWOOD

www.thermwood.com

MAX5

Thermwood, a global leader in 5-axis CNC technology, provides a powerful large-format CNC system specifically engineered for the three-dimensional machining of **large to ultra-large components**. Engineered to meet the rigorous demands of the **marine, aerospace, construction**, and other advanced industries, this system is designed for high-performance machining of **wood, plastics, aluminum, and composite materials**.

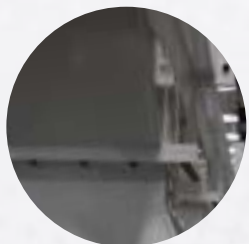
The MAX5 is a heavy-duty, high-clearance 5-axis CNC router designed for uncompromising large-scale machining.

The MAX5 leverages advanced 3D modeling and Finite Element Analysis (FEA) to optimize structural integrity and performance. The MAX5's massive vertical support columns and gantry are fully stress-relieved delivering rock solid stability and precision – even during demanding multi-axis operations.

With Thermwood as your single source partner, you get more than just a machine – you get complete system accountability and seamless support from one trusted expert.

Every element is developed and integrated in-house, you benefit from unmatched efficiency, streamlined service, and total peace of mind. And as new technologies evolve, Thermwood systems are built to evolve with them — making upgrades simple and ensuring your investment stays ahead of the curve.

Thermwood CNC Machining Centers



Sizes Available

- 10' x 20' (3.0m x 6.0m)
- 15' x 20' (4.5m x 6.0m)

Length extensions are available in 15' (4.5m) or 20' (6m) increments up to a maximum of 60' (18m)

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Machine Features Shown

- 9' (2.7m) Vertical Z Axis
- 17 HP (12.7 kw) Spindle (24,000 RPM)
- Rapid Speed 2100 IPM
- Automatic Lubrication System
- High Tolerance Tool Length Sensor
- SuperControl
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- Control Networking
- Machine Training and Installation

Machine Features/ Options



17 HP (12.7 kw) Spindle

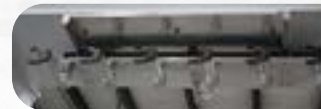
17 HP Spindle is liquid cooled with a speed range up to 24,000 RPM. The 17 HP (12.7 kw) spindle provides the user with a heavy duty, precision spindle which provides high performance and reliability. **Standard**



High Tolerance Tool Length Sensor

The Renishaw TS27R is a standard tool setting probe for machining centers. A compact, robust design which offers repeatability of 0.001" (.025mm) **Standard**

Under Gantry Automatic Tool Change System



Bar Style Automatic Tool Changer mounted under the machine gantry. The side load style tool bar will index forward to allow access to complete the tool change, then retract under the gantry upon tool change completion. The tool bar is standard with 6 positions. (Option of 18 positions on a 15' (4.5m) wide machine). **Standard**

Automatic Lubrication System

A pressurized greasing system that continuously delivers a specialized lithium/calcium complex grease with extreme pressure additives. Automatically lubricates the rack & pinion drive, linear rails, and bearings. **Standard**

Floating Work Table

Floating Work Table option can be added. Drilled and tapped, aluminum table surface for 3/8-16 threaded inserts on 12" (304mm) centers starting 6" (152mm) from edge of table.

SuperControl

Thermwood is the only major CNC router manufacturer that **designs and builds its own CNC control system**, setting the standard for advanced control technology in the industry. Its proprietary **SuperControl** offers more advanced features than any other CNC control available today.



Thermwood's SuperControl

- **Full Multi-tasking Control**- Uses Microsoft Windows IOT Enterprise LTSC operating system, offering the ability to operate the machine and do other tasks on the control
- **Huge File storage**-1 TB hard drive. Complex CAD generated programs can be operated without delay.
- **Virtual Service**- provides a powerful audio, visual, and data link directly to Thermwoods service team.

- **Tool Management**- defines and manages tools, monitors tool usage.

- **Maintenance Tracking**- Monitors routine maintenance, alerts the operator when preventive maintenance tasks are required.

- **Thermwood Mobile App**- App permits users to monitor their Thermwood CNC router(s) and the programs that run on them from anywhere.

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Thermwood Technical Service

Thermwood's Technical Service is designed to ensure customers are both confident and successful with their CNC router systems. Every Thermwood CNC system includes structured, formal training, complete with professional support materials and hands-on experience to build operator expertise.

Beyond training, Thermwood provides **comprehensive support options**, including expert phone support, on-site service, and our innovative Virtual Service—a live audio, video, and data link between your machine's controller and Thermwood's Service Team for real-time diagnostics and assistance.

Additional services include:

- An Online Supply Store
- A large Inventory of Spare Parts
- Custom Programming Services
- An Advanced Support Program
- A dedicated Retrofit and Upgrade Department

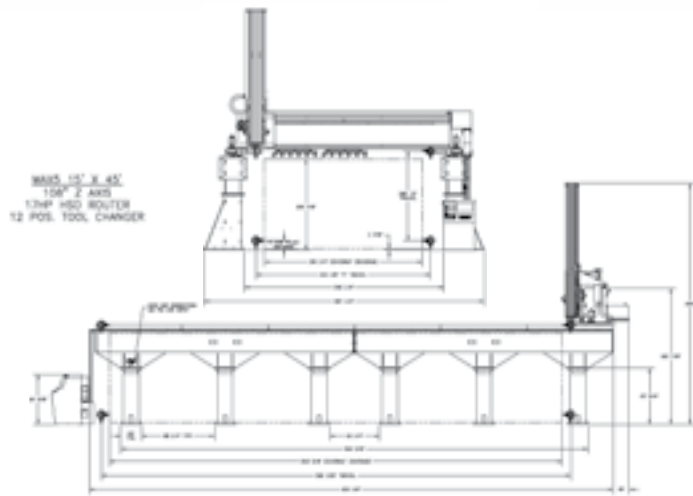
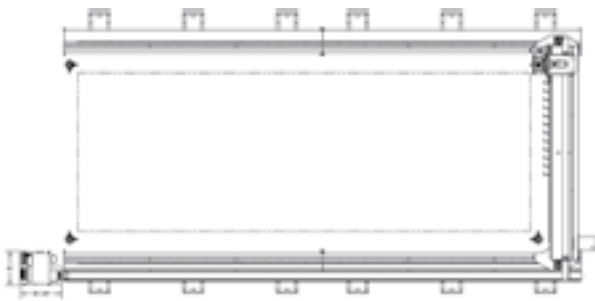


From **ongoing control updates** to **free lifetime phone support**, Thermwood delivers unmatched service and long-term value—ensuring your investment continues to generate profits for years to come.

Dimensions

Max5 Overall Dimensions

15' x 45' Machine shown: Height: 290" Width: 337" Length: 632"
(4.6m x 13.7m: Height: 7.4m Width: 8.6m Length: 16m)
(Dimensions are approximate)



Thermwood...First in CNC Routers

Thermwood pioneered CNC router technology in the United States, becoming the first company to design and manufacture these systems. Since the **late 1960s**, Thermwood has led the industry through continuous innovation – delivering advanced machining and software solutions across the woodworking, plastics, and aerospace sectors.

Operating from its **175,000-square-foot headquarters in Dale, Indiana**, Thermwood combines its corporate offices, customer showroom, and state of the art **engineering and manufacturing facility** under one roof –for seamless end-to-end workflow from design to full system production. Every stage is executed with exacting precision and cutting-edge processes. As a globally recognized leader, Thermwood is committed to advancing **technology, software, service,**

and support, continually evolving to meet the changing needs of its customers.

Thermwood — The Leader in CNC Routers and Large Scale Additive Manufacturing systems.



THERMWOOD

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