Multi- Purpose Series

3 Axis CNC Router Packages
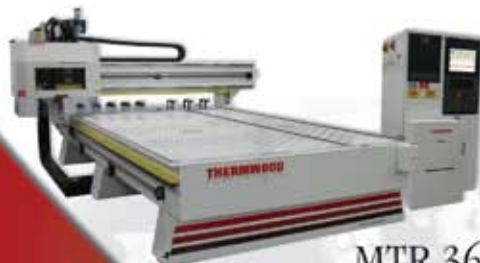
Model 40

Model 42

Model 45

MTR 36

Model 63

Model 53

THERMWOOD
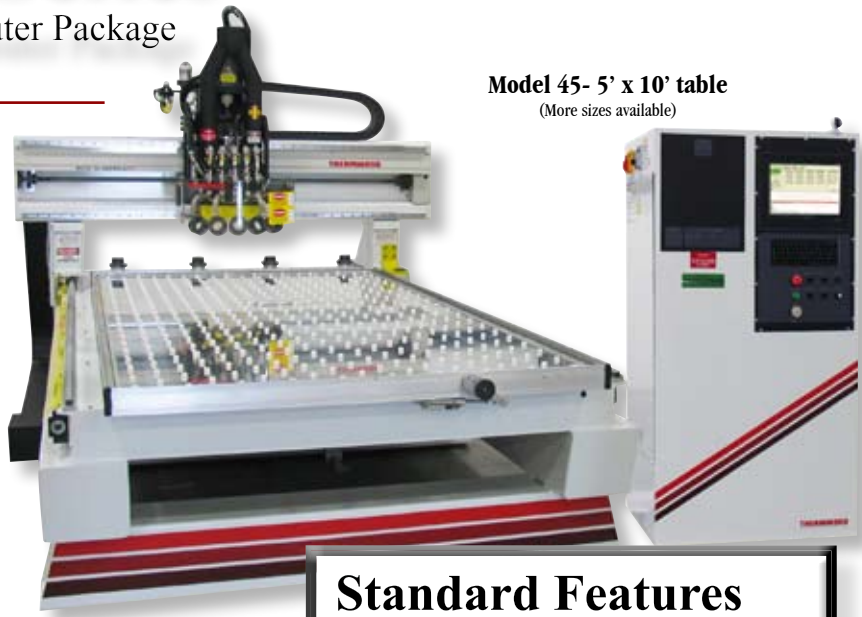
First in CNC Routers

Multi- Purpose Series

3 Axis CNC Router Package

Thermwood CNC routers are highly flexible, making them ideal for a variety of manufacturing applications. Thermwood, the technical leader, offers a wide variety machines, exclusive features, flexible options and support software, all integrated into complete pre-engineered packages, fully refined for your specific application.

Thermwood has been building CNC routers longer than anyone else. Thousands of Thermwood CNC routers are in operation in 29 countries producing everything from simple wood parts to jumbo jets and spacecraft. Thermwood has consistently been the technology leader, with more US patents on CNC router technology than all other CNC routers companies combined.

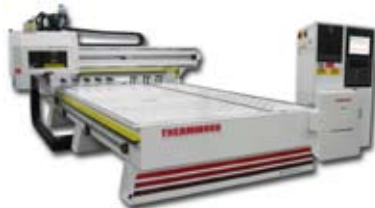**Model 45- 5' x 10' table**
(More sizes available)

Model 42- 10' x 5' table
(More sizes available)

Model 40- 5' x 5' table
(More sizes available)

Model 53- 5' x 10' table
(More sizes available)

MTR 36- 3.6 meter x 2.1 meter table
(More sizes available)

Model 63- 5' x 40' table
(More sizes available)

Standard Features

• **Gen2 SuperControl**

• **10 HP HSD Spindle -**3,000 - 24,000 RPM

• **Bar Style Tool Changer**
(Optional At-the-Head Typewriter Style Tool Changer Available)

• **Aluminum High Flow Fixed or Moving Table Top**-(Table sizes from 5' x 5' to 5 x 40', Dual table machines from 5' x 5' to 5 x 12')

• **Control Networking**

• **Control Nesting**

• **Router Bit Package**

• **Machine Training and Installation**

A System configured for your application

Thermwood offers a wide variety of machines and a large selection of options that configure these machines for almost any application.

Thermwood offers a variety of router spindles, including aggregate heads for special applications. You can get a servo controlled aggregate axis and a wide variety of aggregate cutting, sawing and drilling heads for special machining requirements.

There are several systems for holding parts in place during machining including high-flow vacuum, conventional vacuum and roller hold-down. Thermwood invented many of these systems and their vast experience in this area assures you will get a system that will reliably hold your parts.

Next Generation CNC control
- your key to success

Your CNC router is only as flexible as your CNC control. Thermwood, the only major CNC router manufacturer that designs and builds its own CNC control is a leader in implementing this next generation control technology. As a result, Thermwood has been granted more patents on CNC router technology than all other CNC router manufacturers in the world, combined. A control so advanced it is used by aerospace, defense and even NASA for some of their most demanding applications. This control is designed from its very core to operate a CNC router, which means you can do more and it's easier.

Thermwood's CNC Gen2 control offers important features not available from anyone else. You get better more accurate motion and easier programming and program execution. You can nest right in the control. You can even combine parts from different software in the same nest. You can send it DXF design files and just run them without a separate CAM or Post Processor. You can send the control an edge profile and if a tool is not available for that profile, the control will develop a modeling program to cut the profile using standard modeling tools. You can even use a Hand-Held Programmer to create and run simple programs right at the machine.

Your Gen2 control comes with tool management to keep track of how much each tool is used and automatically replaces it with a new one when it's tool life expires. The control keeps track of machine use and alerts you when lubrication or maintenance is needed. It shows you step by step videos of how to adjust and maintain and repair your machine. Electronic manual right on the machine, with error reporting and dynamic 3-D assembly drawings with part numbers.

And, because Thermwood controls all the technology, you have single source responsibility. No longer must you tolerate the machine builder and control manufacturer blaming each other when you have a problem. Thermwood stands behind and supports the entire system. And when new technology comes out, you can easily upgrade your Thermwood control. The key to CNC router capability is the CNC control, and Thermwood clearly has the most capable CNC control.

Thermwood...First in CNC Routers

Thermwood is a forty year old, high technology and software company located in Southern Indiana. Thermwood is currently the oldest CNC router company and continues to offer products for the woodworking, plastics and aerospace industries to name a few. Thermwood customers are some of the largest, most sophisticated companies in manufacturing.

Our main facility consists of 175,000 square feet which includes both an office/showroom and an engineering and manufacturing plant. The modern manufacturing facility houses various industrial processes from steel cutting, bending, forming and welding to electronic board assembly and CNC control manufacturing.

Thermwood has developed sophisticated cabinet and furniture design

software and provided it to over 25,000 woodworking and cabinet shops through the largest cabinet industry cooperative in the world, a program we founded and continue to manage. Thermwood also maintains several web stores selling thousands of router supplies, tooling and woodworking products.

Thermwood strives in technology, software, support and customer service to best fit the needs of our customers. Thermwood...first in CNC routers.

Thermwood also offers automatic oad-unload systems for certain applications.

Locator Pins

At-the-Head Typewriter Style Tool Changer

Aggregate Tooling

Software is a key part of modern CNC systems. Thermwood maintains a staff of software developers and offers a variety of powerful but easy-to-use software packages. We also represent leading software products from third-party software vendors that we have configured to work seamlessly with Thermwood's systems. Thermwood provides complete training, backup and support for all the software products we sell, regardless of who originally developed them.

With Thermwood, we don't just sell you a machine that you have to make work. We configure a complete system, focused on your job, addressing all the details so you don't have to. We have the experience, technical resources and broad product offering needed to do this well.
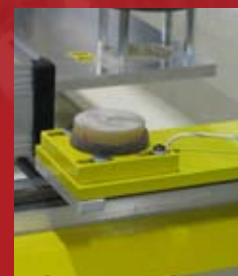
Tool Length Measurement

Dual Head Spindles

Training and Support -vital to your success

To comfortably and profitably use your system, you must understand how to program, operate and maintain it. Each Thermwood CNC router system and each major software package includes formal, structured training classes including professional support material and a lot of hands-on experience. Our goal is to make you totally comfortable and confident.

Our systems come complete with detailed manuals, including an electronic version of the operator's manual on the control that you can access, even while the machine is operating.

In addition to Thermwood's professional phone support and on-site service, each CNC router also includes your first year of Virtual Service at no additional cost. You can connect your control to Thermwood's technical service center with the push of a button, establishing an audio, video and data link. You see and talk to the service technician, right on the control screen, and he sees and talks to

you, but he also sees deep into your system to provide help with everything from tooling and programming questions to machine configuration and performance. In fact, virtually everything a service technician can do in your shop can also be done via Virtual Service. Virtual Service makes getting help easy, fast and highly effective.

With your new system, you also receive the next control system software update at no additional cost. Both Virtual Service and continuing system updates are available on an ongoing basis through the Advanced Support Program, which also includes substantial discounts on hardware updates. A single low annual payment gets you unlimited Virtual Service help and each control update as it is released.

Thermwood training, Virtual Service and continuing control updates offer you support like no one else and assures continuing profits from your Thermwood investment, years into the future.

Training Facility

Virtual Service

On-site Service Technician

Prove your application BEFORE you buy

Thermwood operates a well equipped, fully staffed demonstration lab whose purpose is to demonstrate to both you and us, that we can do your job and that you will be completely satisfied. We set up, program and run your parts, with no obligation to you, to prove out the application before we receive, or accept, a commitment.

You are invited to our Southern Indiana facility to see this process in person and discuss your needs in a friendly, easy and open environment. We also have the ability to broadcast these demonstrations live over the web, although

if your job is truly custom, a personal visit is highly recommended. Most people that visit say they leave with a wealth of information beyond seeing their parts run. After all, we have been doing this longer than anyone else and are happy to share this experience with you.

With this approach, you know and we know it will work well. This is the only way to be sure you will be a completely satisfied customer. After all, you being satisfied is important to us because a large part of our business is repeat orders from satisfied customers.

Demonstration Facility

THERMWOOD
First in CNC Routers

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