Machining Centers for Composites

THERMWOOD

First in CNC Routers

Chip Collection

Auto Tool Sensor

Barstyle Tool Changer

Remote Start/Stop

Model 67

- 7.5 HP Dual End Spindle (3,000-18,000 RPM)
- Impact Resistant Head (optional)
- Moving Aluminum Table
- Fixed Gantry
- 24" Z standard (available up to 60")
- QCore SuperControl
- Full 5 Axis Simultaneous Motion
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- Automatic Tool Length Sensor (optional)
- Tool Center Point Programming (TCP)

Table Sizes

- 5' x 5' Moving Table
- 5' x 10' Moving Table
- 10' x 5' Moving Table
- 5' x 12' Moving Table
- 7' x 10' Moving Table
- Dual 5' x 5' Moving Tables
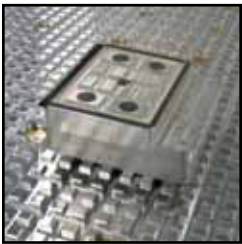- Dual 5' x 10' Moving Tables
- Dual 5' x 12' Moving Tables

Additional options available

Options

Barstyle Tool Changer

Automatic Lubrication

In the Leg Tool Changer

Nemi Pod Table

Model 90

Table Sizes

‣ 5' x 5' Moving Table
‣ 5' x 10' Moving Table
‣ Dual 5' x 5' Moving Tables
‣ Dual 5' x 10' Moving Tables
‣ Dual 5' x 12' Moving Tables

- 12 HP HSD Tool Changer Spindle (3,000-24,000 RPM)
- Impact Resistant Head
- Moving Solid Aluminum Table
- Fixed Gantry
- 24" Z standard (available up to 60")
- QCore SuperControl
- Full 5 Axis Simultaneous Motion
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- Tool Center Point Programming (TCP)

Additional options available

www.thermwood.com

5 Axis / Fixed Table

In the Leg Tool Changer

Auto Tool Sensor

Dual End Spindle

Mulit-Function Table

Model 70

- 12 HP HSD Tool Changer Spindle (3,000-24,000 RPM)
- Impact Resistant Head
- Fixed Aluminum Table
- Moving Gantry
- 24" Z standard (available up to 60")
- QCore SuperControl
- Chip Collection System (optional)
- Full 5 Axis Simultaneous Motion
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- Automatic Tool Length Sensor (optional)
- Tool Center Point Programming (TCP)

Table Sizes

· 5' x 10' Fixed Table
· 10' x 10' Fixed Table
· 10' x 15' Fixed Table
· 10' x 20' Fixed Table

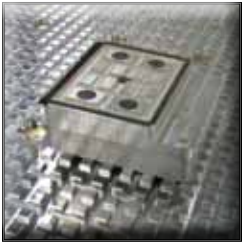(Table extentions may be added up to a total of 60')

Additional options available

Options

Chip Collection

Access Doors

Rotary Tool Changer

Nemi Pod Table

Model 77

Table Sizes

· 5' x 10' Fixed Table
· 10' x 10' Fixed Table

(Table extentions may be added up to a total of 60')

- 12 HP HSD Tool Changer Spindle (3,000-24,000 RPM)
- Impact Resistant Head
- Moving Gantry
- 36" Z standard (Available in 48" and 60")
- 10 Position Rotary Tool Change System
- QCore SuperControl
- Full 5 Axis Simultaneous Motion
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- Fixed Drill and Tapped Aluminum Table (optional)
- Access Doors (optional)
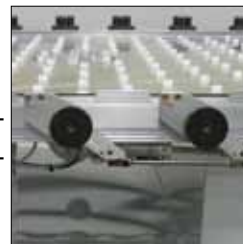- Tool Center Point Programming (TCP)

Additional options available

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Dual ATH Tool Changer

Auto Pop-Up Pins

Tool Changer

Drill Bank

3 Axis / Moving Table

Model 42

- 12 HP HSD Spindle (3,000-24,000 RPM)
- Dual Moving Aluminum High Flow Tables
- Fixed Gantry
- QCore SuperControl
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- Bar Style Tool Changer (optional)
- Dual 12 HP Spindles (optional)
- Automatic Lubrication (optional)

Table Sizes

- Dual 5' x 5' Moving Tables
- Dual 5' x 8' Moving Tables
- Dual 5' x 10' Moving Tables
- Dual 5' x 12' Moving Tables
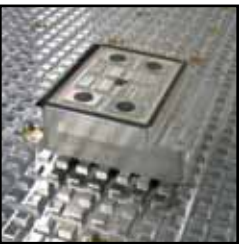- Single 10' x 5' Moving Table

Options

Aggregate Tooling

ATH Tool Changer

Auto Tool Sensor

Nemi Pod Table

Model 45

Table Sizes
› 5' x 10' Fixed Table
› 5' x 10' Fixed Table
› 5' x 12' Fixed Table
› 6' x 12' Fixed Table
› 7' x 12' Fixed Table

• 12 HP HSD Spindle (3,000-24,000 RPM)
• Fixed Steel High Flow Table
• Moving Gantry
• Maximum Speed 3,000 IPM
• QCore SuperControl
• Siemens Intelligent Servo Drives Throughout
• 3-D Laser Compensated Axis Alignment
• 4 Position Tool Changer
• At the Head Automatic Tool Changer (optional)
• Automatic Lubrication (optional)

Additional options available

Dual ATH Tool Changer
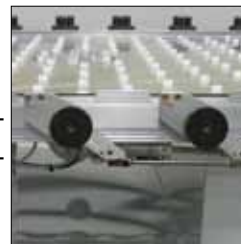
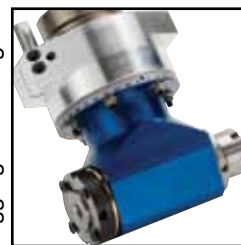Auto Pop-Up Pins

Aggregate Tooling

Drill Bank

3 Axis / Fixed Table

MODEL 63

- Dual 12 HP HSD Spindle (3,000-24,000 RPM)
- Fixed Solid Aluminum Table
- Moving Gantry
- QCore SuperControl
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- 4 Position Tool Changer
- Automatic Lubrication (optional)

TABLE SIZES

‣ 5' x 10' FIXED TABLE
‣ 5' x 20' FIXED TABLE

(TABLE EXTENTIONS MAY BE ADDED UP TO A TOTAL OF 60')
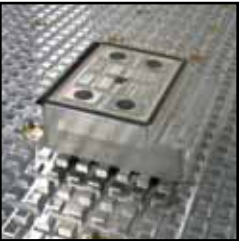
Additional options available

Aggregate Tooling

ATH Tool Changer

Auto Tool Sensor

Nemi Pod Table

3 AXIS / METRIC

MTR

Table Sizes

› 1.5m x 3m Fixed Table
› 3.6m x 2.1m Fixed Table
› 6m x 2.1m Fixed Table
› Dual 1.5m x 3m Fixed Table

- 12 HP HSD Spindle (3,000-24,000 RPM)
- Fixed Aluminum High Flow Table
- Moving Gantry
- QCore SuperControl
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- Automatic Tool Sensor
- BarStyle Tool Changer

Additional options available

www.thermwood.com

QCore SuperControl

Thermwood, the only major CNC router manufacturer that designs and builds its own CNC control, is a leader in implementing advanced control technology. The QCore SuperControl incorporates more advanced control features than any other CNC control in the industry. And, because Thermwood provides all the technology, you have single source responsibility. Thermwood stands behind and supports the entire system and when new technology is available it can easily be upgraded.

Thermwood's QCore SuperControl

• **Full Multi-tasking Control**- Uses Microsoft® Windows® 7 Professional operating system, offering the ability to operate the machine and do other tasks on the control

• **Huge File storage**-1 TB hard drive for storage and greater file execution with no delays.

• **Direct Link**- accepts raw design files or CNC programs, compatible with virtually all design softwares.

• **Virtual Service**- direct, live, visual contact to Thermwood's Service Department.

• **Tool Management**- keeps track of tool usage and automatically replaces it when needed

• **Maintenance Alerts**- alerts you when lubrication or maintenance is needed.

• **Videos and Manuals**- step by step how-to-videos to adjust, maintain and repair your machine. Electronic manual, with error reporting and dynamic 3-D assembly drawings with part numbers.

QCore Options

Hand Held Programmer

A powerful tool for creating, modifying, editing and refining CNC programs at the machine. Programs can be debugged or created right at the machine. The machine moves as it is programed, so you can see the exact position. Modifications can be made quickly, errors are minimized saving time.

Control Touch Screen

Adds "touch screen" functionality to control system.

Software

Mastercam
*Authorized Dealer

Thermwood has a sales and support group that focuses on software products that work with and enhance the operation of Thermwood CNC routers. Their goal is to offer to Thermwood customers the most effective software products for their specific application, smoothly integrated with the control. You can be certain that software obtained from Thermwood will work properly with your Thermwood CNC router. (Thermwood machines can link with all major CAD/CAM softwares.)

Volumetric Compensation

Volumetric Compensation, standard on all Thermwood CNC routers, dramatically improves the accuracy and quality of the machine. This state-of-the-art advanced technology, developed by Thermwood, is especially essential for large envelope five-axis machines. In this process, the laser measures the exact positions of the cutting head, in three dimensions within the working envelope, and compensates for any remaining error. The compensation then becomes integral within the machine's control providing precise positioning of the cutting head.

Thermwood Technical Service

Thermwood's Technical Service offers a wide range of services for our customers to be comfortable and profitable with their CNC Router System. Each Thermwood CNC router system includes formal, structured training classes including professional support material and hands-on experience.
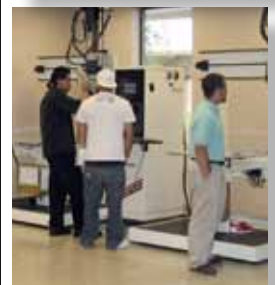
In addition to Thermwood's professional phone support and on-site service, we offer Virtual Service, which is an audio, video and data link from the machine controller and Thermwood's Service team. When the "Virtual Service" link is established, the customer can see and talk to the Thermwood service technician and the service technician can see, not only the customer, but also all of the critical parameters of the control. Through this link, the control can be diagnosed in real-time while programs are being executed and corrections can be made.

We also offer an On-line Supply Store, extensive Part Inventory, Custom Programming, an Advanced Support Program and a Retrofit and Upgrade Department.

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

Thermwood's Service

- **Free Lifetime Phone Support**
- **Virtual Service**
- **On-site Technical Service**
- **Custom Programming**
- **Hands on Training Classes**
- **Professional Set-up**
- **On-line Supply Store**
- **Extensive Parts Inventory**
- **Retrofits and Upgrades**
- **Advanced Support**

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Thermwood...First in CNC Routers

Thermwood is a high technology and software company located in Southern Indiana. Thermwood is currently the oldest CNC router company, started in the late 1960s, 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. Our machines are built from the ground up in the US in a modern manufacturing facility. Thermwood controls all aspects of manufacturing, building everything from the stress relieved base to the CNC control. Thermwood is a true manufacturer, not just an assembler.

Thermwood has developed a sophisticated cabinet and furniture design software and provides 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 man-age. Thermwood also maintains a web store 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.

Contact Us

THERMWOOD
First in CNC Routers

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