

# AutoProcessor | CNC Machining Centers

## 3 Axis



# THERMWOOD

# 3 Axis AutoProcessor

MADE IN USA 

The AutoProcessor 5'x10' is a high-speed, automatic load/unload, heavy-duty CNC routing system for nested based feed through machining. It is used in nested based production of cabinets, closets and custom furniture.

With each cycle, the machine first labels the sheet, positions the sheet on the table, machines the material, off-loads the finished parts and then repeats the process. Dust collection during this process keeps scrap and debris to a minimum. Labels help the operator to quickly sort the parts, and Assembly Marks help final assembly happen quickly and easily.

## Thermwood CNC Machining Centers



**AutoProcessor**  
5' x 10' (1.5m x 3.0m) Table

### Standard Features

- 12 HP ( 9 kw) HSK Electro-Spindle
- Fixed Aluminum Table
- Moving Gantry
- SuperControl
- Siemens Intelligent Servo Drives Throughout
- 3-D Laser Compensated Axis Alignment
- 10 Position Tool Changer
- Automatic Pop-Up Pins
- Automatic Tool Sensor
- 4000 lb. Lift Table for Loading
- Unload Table

### Table Sizes Available

- 5' x 10' (1.5m x 3.0m) Table
- 5' x 12' (1.5m x 3.6m) Table
- 7' x 12' (2.1m x 3.6m) Table

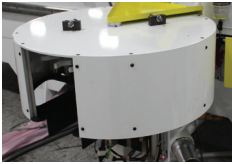


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# Machine Standard Features/Options

## 12 HP (9 kw) Spindle

A direct driven spindle with a speed range up to 24,000 RPM. The High Frequency Spindle is cooled with an electric fan for quieter running and contains ceramic bearings for longer life and for less maintenance. The 12 HP (9 kw) spindle provides the user with a heavy duty, precision spindle which provides high performance and reliability. **Standard**

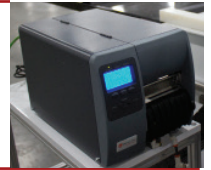


## Rotary Automatic Tool Changer

10 Position Rotary Automatic Tool Changer to includes (10) HSK 63F tool holders and collets. Max tool size is 2" (50mm) in diameter and 3.25" (83mm) in length. **Standard**

## Automatic CNC Labeler System

The Automatic CNC Labeler System labels the sheet before the machining operation. The labels assists with sorting and assembling finished parts. **Standard**



## Automatic Load/Unload System

Automatically loads sheets up to 60" (1.5m) wide and 120" (3.0m) long and automatically position the sheet. Each individual sheet is elevated and positioned by a series of programmable vacuum cups. Assists operator with unloading the machine. A steel rake is mounted in front of the router motor and travels with the machine gantry, allowing parts to be removed off the front of the table. Dust extraction during the rake process. **Standard**

## Drill Bank

The drill unit is vertical boring head with five vertical spindles. The spindles are on 32mm centers. **Optional**

# SuperControl

## Thermwood's 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 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.

- **Full Multi-tasking Control-** Uses Microsoft® Windows® 10 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.
- **Virtual Service-** Direct, live, visual contact to Thermwood's Service Department. (Optional)
- **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.

# 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.

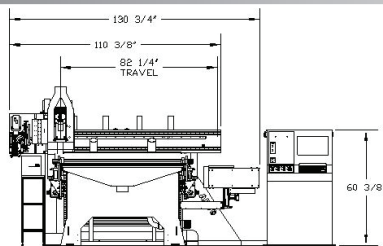
In addition to Thermwood's professional phone support and on-site service, we offer Virtual Service, which is an audio, video and data link from the machine controller and Thermwood's Service team.

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 life-time phone support offer you support like no one else and assures continuing profits from your Thermwood investment, years into the future.



## Dimensions



AutoProcessor Overall Dimensions (5' x 10' Table Shown)

5' x 10' Table: Height: 83" Width: 144" Length: 323"

(1.5m x 3.0m Table: Height: 2.1m Width: 3.7m Length: 8.2m)

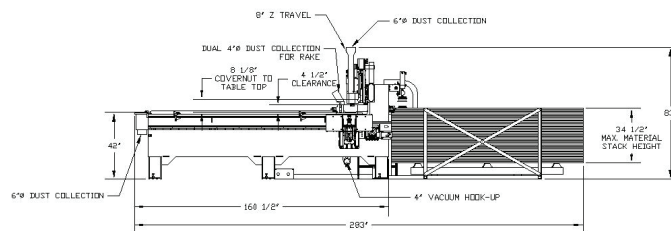
5' x 12' Table: Height: 83" Width: 144" Length: 347"

(1.5m x 3.6m Table: Height: 2.1m Width: 3.7m Length: 8.8m)

7' x 12' Table: Height: 83" Width: 168" Length: 347"

(2.1m x 3.6m Table: Height: 2.1m Width: 4.3m Length: 8.8m)

(Dimensions are approximate)



## Thermwood...First in CNC Routers

Thermwood is the first company that developed and manufactured CNC router technology in the US. Starting in the late 60's, Thermwood continues to offer products and software technology for the wood, plastics and aerospace industries, involving numerous areas of machining applications.

The main facility consists of 175,000 square feet which includes both an office/showroom and an engineering and manufacturing plant. Manufacturing utilizes modern fabricating, machining, assembling and testing processes from the machine fabrication to the CNC control production.

Thermwood is an International company that strives in technology, software, support and service to best fit the needs of our customers. Thermwood...the first in CNC routers.

[www.thermwood.com](http://www.thermwood.com)



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