

Venture NESTING

Techno
CNC
Systems



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Venture NESTING



ABOUT OUR **VENTURE NESTING** WORKSHOP SERIES

The Venture Cabinet Nesting machine is all steel construction, providing the rigid foundation required for ultra-smooth routing results.

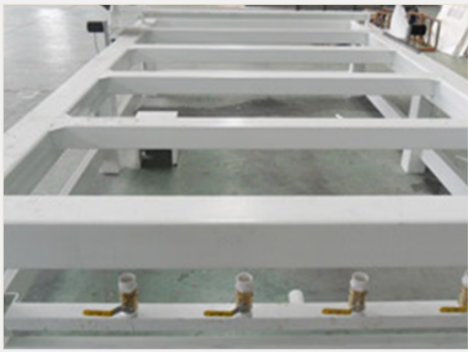
The Venture Cabinet Nesting machine includes a 12HP HSD automatic tool changer with 8-position rotary carousel, and 9-spindle drill bank. Both spindles incorporate pneumatically operated dust collection hoods that concentrate air flow at the cutter, which provide optimal dust collection performance. The multi-zone double layer high flow vacuum table is constructed from very hard phenolic, which is very stable material and holds tight tolerances for precision depth cutting. It is connected to a 10HP Rotary vane vacuum pump (twin pack optional) which has very quiet operation (82db). For easy sheet alignment, (3) material pop-up pins are included and precisely placed to handle and align various size materials. The Venture Cabinet Nesting machine is powered by brushless AC servo digital motors and drives and is powered by an industrial Osai PC based industrial controller that is easy to use and learn.

IMPRESSIVE FEATURES

INCLUDES:

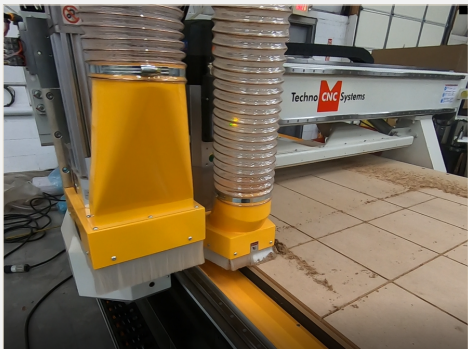
- ✓ 12 HP HSD high frequency automatic tool changer spindle
- ✓ 8 Position Rotary Carousel
- ✓ 9 Spindle Drill Bank
- ✓ Easy to use Techno CNC Interface
- ✓ Brushless Digital AC Servo motors and drives
- ✓ Multi-Zone vacuum t-slot table
- ✓ Pneumatic material placement stops
- ✓ Pneumatically operated vacuum hoods
- ✓ PC Based Osai Industrial grade CNC controller

Features



BASE FRAME

The Venture Cabinet Nesting Machine base frame is fabricated from heavy-duty tubular steel that is welded, precision machined and stress relieved so that the foundation remains true and steady over the operational life of the machine.



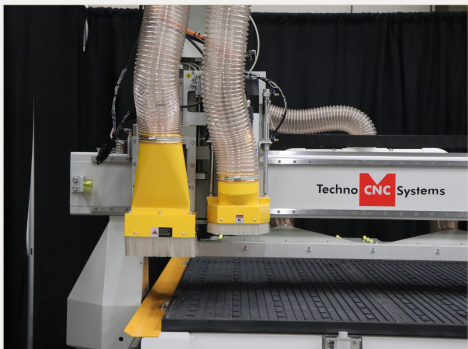
VACUUM SHROUD

The Venture Cabinet Nesting Machine includes a pneumatically operated vacuum hood that has concentrated air flow at the spindle thus efficiently cleaning up the dust and debris as it is routed.



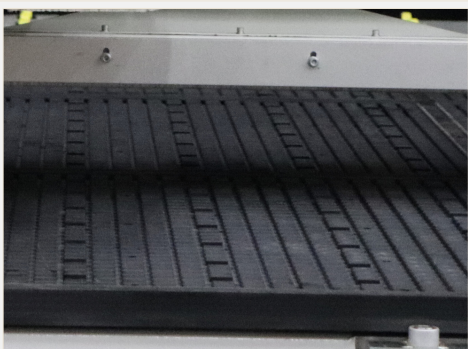
TOOLING

The Venture Cabinet Nesting Series machine comes standard with a 8-tool rotary carousel mounted to the X-axis beam. This provides faster tool changes during the cutting process.



SPINDLE

The Techno Venture Cabinet Nesting Series Machine comes standard with a 12 HP HSD high frequency automatic tool changer. This precision spindle requires no regular maintenance, uses industry standard ER collets and ISO 30 tool holders, has fully programmable speeds from 6000 to 24000 RPM.



VACUUM TABLE

The Techno Venture Cabinet Nesting Series Machine includes a double layer high flow vacuum table

Features



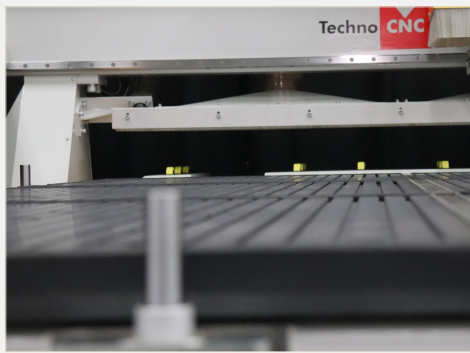
DRIVE MOTORS

The Venture Cabinet Nesting Machine utilizes AC Servo motors powered by Yaskawa drives. These motors require no regular maintenance — therefore, reducing any maintenance downtime.



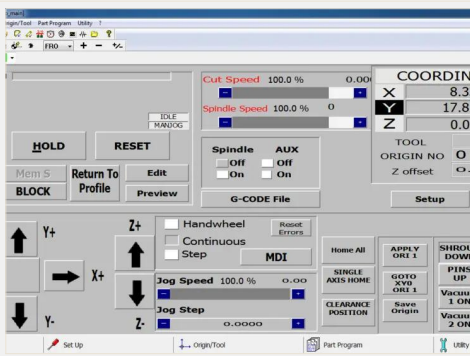
GANTRY UPRIGHTS

The Gantry uprights are cast iron with heavy duty gussets formed into the casting. Each support is machined for housing the various drive assemblies including motors, bearings, belts, and wiring harnesses.



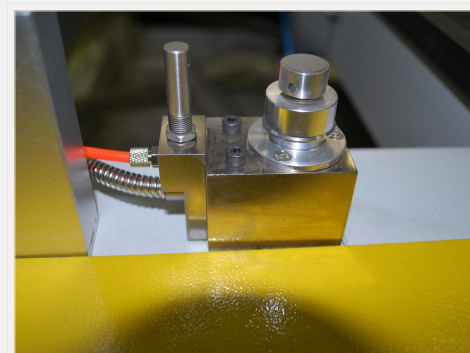
POP UP PINS

The Techno Venture Cabinet Nesting Series Machine comes standard with three pop up pins. These pins allow the operator to bank the edge of the material against them precisely aligning the material to the axes of travel and always having a common origin.



CONTROLLER

Windows-Based G-Code Osai Interface is included with each machine and is an indispensable tool in any CNC router application. Its open architectural design accepts G-Code files from any industry standard CAD/CAM software package, and can operate using inch or metric units. Customers that are new to automation find the Techno CNC Interface easy to learn and operate. They find the intuitive design and functions easy to use and remember. The most fundamental controls and displays are all visible on the main page.



TOOL CALIBRATION

Automatic tool calibration pad is designed for easy and accurate recording of tool length off-sets.

Features

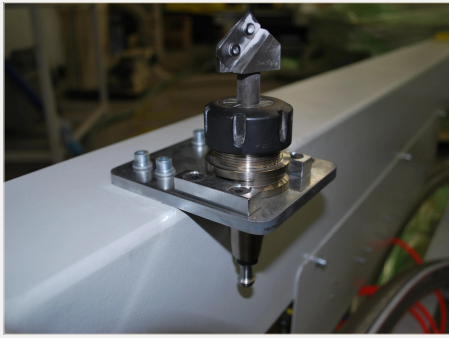


DRILL BANK

The Venture Cabinet Nesting Series includes a 9-Spindle Drill Bank. All nine spindles are on 32mm centers and are fully programmable for individual or gang drilling. The unit is 3HP "L" shaped drill pattern

Details: Spacing 32mm

Number of vertical drills = 5+4 (5)in X & Y, center is shared



TOOL HOLDER CLAMP

The Venture Cabinet Nesting Machine comes equipped with a tool holder clamp fixture, providing a much easier way of inserting and tightening the CNC router bits into your tool holder. This method is safer and easier than using the common procedure of tightening the collet nut with two wrenches while the tool holder is still in the spindle.



ELECTRONICS

All the electrical components are housed and wired in a doubled-doored Nema 4 electrical enclosure. This allows for easy access and service when needed. All wiring in the Venture Nesting is tagged so the customer can easily navigate the cabinet. The cabinet serves as a work bench for the tools required. This precision spindle requires no maintenance, uses industry standard ER collets and ISO 30 tool holders, fully programmable speeds from 6000 to 24000 RPM, and comes complete with a pneumatically retractable vacuum hood.

Testimonials

REITHER WOODWORK

"I love your machines. They are work horse machines! We recently used the vacuum table to laminate plywood with thick veneer using a 3mill plastic sheet. It's amazing that we are still finding many more uses for this machine other than its main purpose. It has opened so many possibilities and has given us more independence; allowing us to do things we used to sub out. I love being able to keep things in house as it allows us to have more control over our quality of work"

ROOT LAB

"Our 3-axis @technocnc CNC router is the beating heart of rootlab. Everything we build is meticulously designed by our design team. Once designed many of the components pass through the capable hands of our digital fabrication team before being handed off to the next department. From simple templates to complex 2.5D sculpting, we use the CNC to mill all types of sheet goods including plywood, MDF, hardwood, aluminum, foam, solid surface, and acrylic".

INSIGHT EXHIBITS

"I wanted to thank you for your tech support for my Techno CNC Venture. Almost every company who sells you a machine and promises service will not give you the time of day. I cannot express my gratitude on the help I have received from Techno over the past 8 years. You and the team at Techno CNC stand behind what you sell. Once again, I would like to thank you for your service and reliable machinery"

Options to consider adding to your CNC



C-axis / Aggregate



Pusher/Sweeper
OFFLOADS MATERIAL



Elevation Pods



Vacuum Pumps
SOLD INDIVIDUALLY OR AS A TWIN PACK

Techno Tooling

Don't forget to stock up on Techno's tool kits and individual CNC router bits



Tool Kits



Individual Router Bits

Restock tooling at any time on our online store: www.technocncshop.com

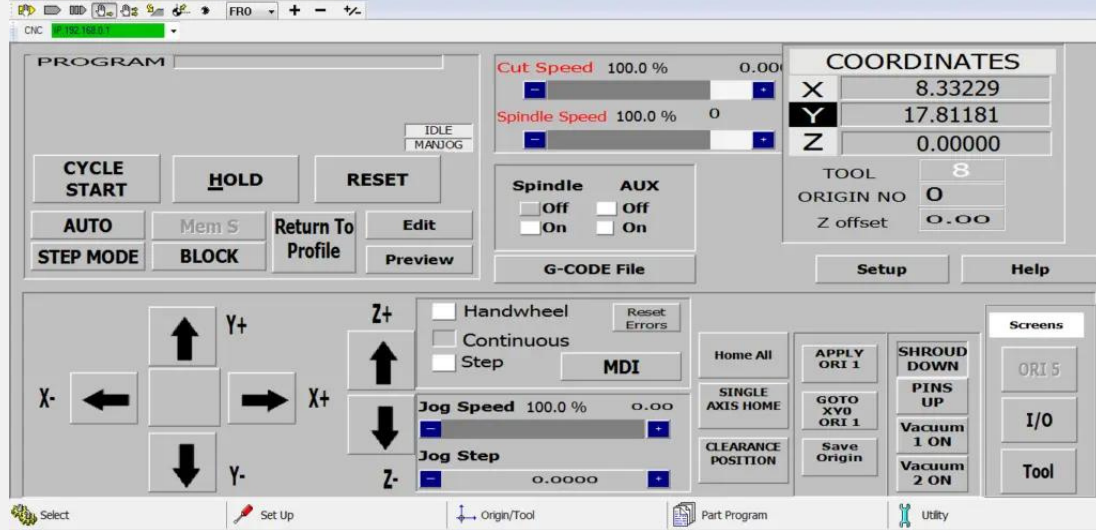
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G-CODE INTERFACE

Techno CNC's Venture Cabinet Nesting Machine Windows-Based G-Code Osai Interface is included with each machine and is an indispensable tool in any CNC Router application. Its open architectural design accepts G-Code files from any industry standard CAD/CAM software package, and can operate using inch or metric units and is highly customizable to better suite your needs. Customers that are new to automation find the Techno CNC Interface easy to learn and operate. Most are up and running in less than one day of training. They find the intuitive design and functions easy to use and remember. The most fundamental controls and displays are all visible on the main page. Customers soon discover that just because the Techno CNC Interface is easy to use, it does not mean that it is not a comprehensive CNC program.



THE HIGH SPEED, EFFICIENT, AND ACCURATE MACHINING THAT YOUR BUSINESS NEEDS



Professional Equipment

Use our world class, industrial grade, easy to use equipment to meet and exceed your production needs



Free Technical Support

Call or email our live technical support team for quick technical support within minutes. Free for the life of your machine

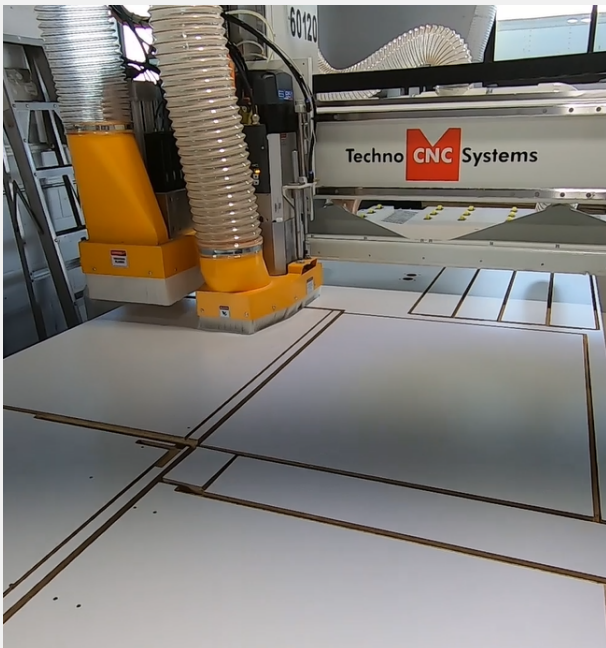
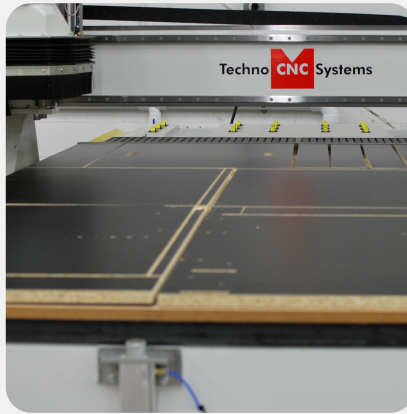
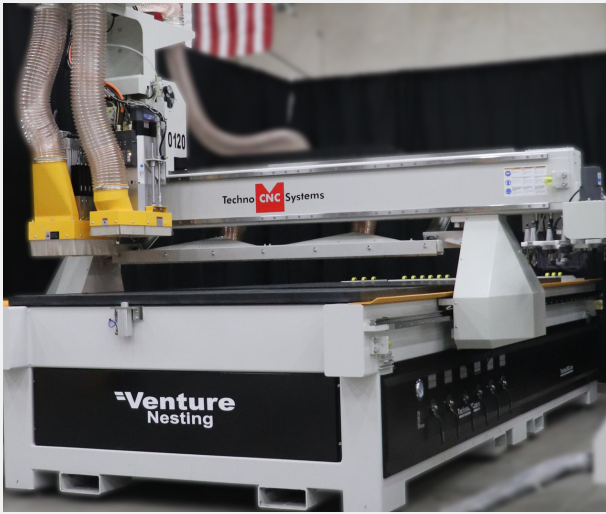


Always Affordable

We are always looking out for our customers needs and budget. We will work with you to build the machine of your dreams at an affordable rate





GALLERY



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READY TO MAKE THE PLUNGE?

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EXPANSION AND AN INCREASE IN SALES**



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