

Venture

Techno  Systems



TECHNOCNC.COM

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Venture



ABOUT OUR **VENTURE** WORKSHOP SERIES

Our Venture Series CNC Router was specifically designed for high volume production shops. Features for our

Venture Series CNC router include all steel construction, precision linear rails and bearings, and precision helical rack-n-pinion on the X and Y axes with a ballscrew Z axis drive. The Venture series comes standard with a PC based Osai industrial CNC controller with an easy to use system interface, and a 12 HP HSD high frequency automatic tool changer that comes complete with a pneumatically retractable vacuum hood and multi-zone vacuum T-slot table. The XY drives include a precision gear box that is directly coupled to the servo motor and pinion. This provides high speed precision motion. All of the electronic components in the Venture Series CNC Router are housed in the NEMA double-door cabinet, which allows for easy access. This engineered masterpiece is the result of years of experience in the CNC router market.

IMPRESSIVE FEATURES

INCLUDES:

- ✓ 12 HP HSD high frequency automatic tool changer spindle
- ✓ Maintenance free brushless AC servo motors and drives
- ✓ 4-Zone vacuum T-slot table
- ✓ Easy to use Techno CNC Interface
- ✓ Pneumatic material placement stops
- ✓ Hand-held pulse generator with rotary hand wheel controls the axis selected
- ✓ PC with flat screen monitor, keyboard and mouse
- ✓ Easy to use Techno CNC Interface
- ✓ Open architecture works with all industry standard CAD/CAM software

Venture

CONSTRUCTION FEATURES

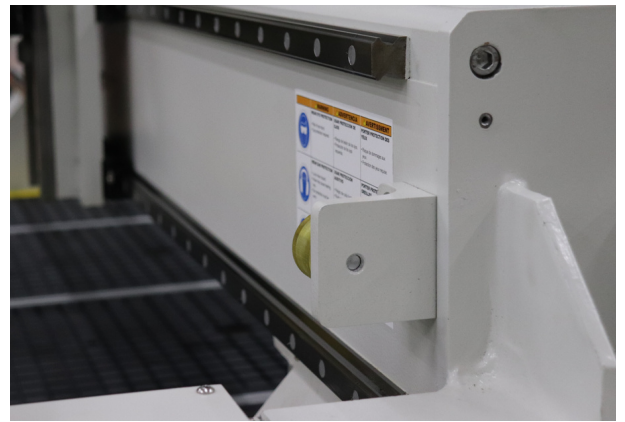
BASE FRAME

The Venture Series CNC router 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.



GANTRY

The gantry is constructed of tubular steel, which results in a steady firm beam assembly. This quality engineering and workmanship result in smooth precision cutting.



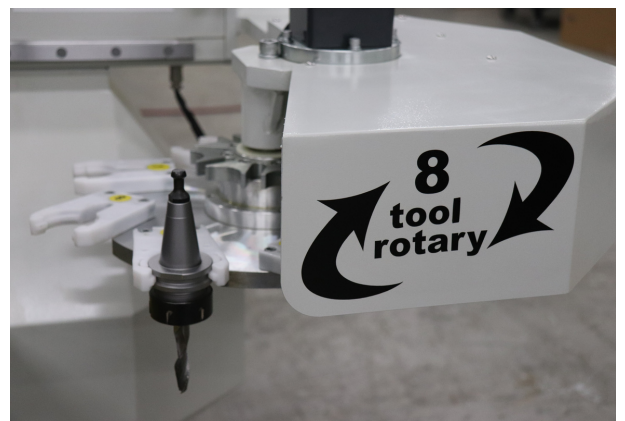
SPINDLE

The Venture 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.



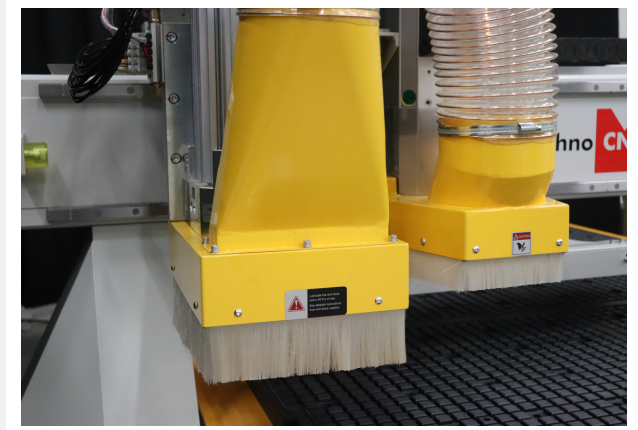
8 TOOL ROTARY CAROUSEL

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



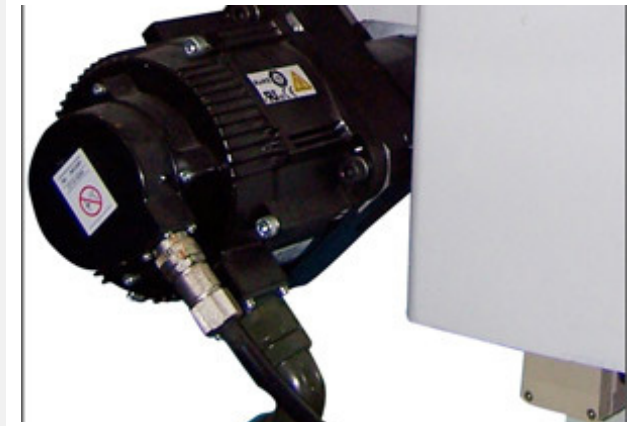
VACUUM SHROUD

The Venture Series includes a pneumatically retractable vacuum hood that has concentrated air flow at the spindle thus efficiently cleaning up the dust and debris as it routes



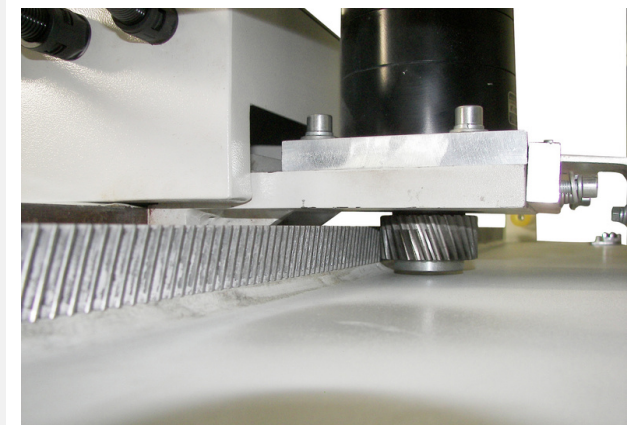
DRIVE MOTORS

The Venture Machine utilizes AC servo motors powered by Yaskawa drives. These motors require no regular maintenance – therefore, reducing any maintenance downtime.



DRIVE TRAIN ASSEMBLY

The Venture Machine uses precision helical gear racks on the X and Y axes. The mounting of the rack is inverted to help keep dust and debris from building up on the drive system, this assures smooth motion and long term reliability. The precision gearbox is directly coupled to the servo motor and pinion. This eliminates belt stretch inaccuracies assuring high-speed machining while the system positions the spindle accurately



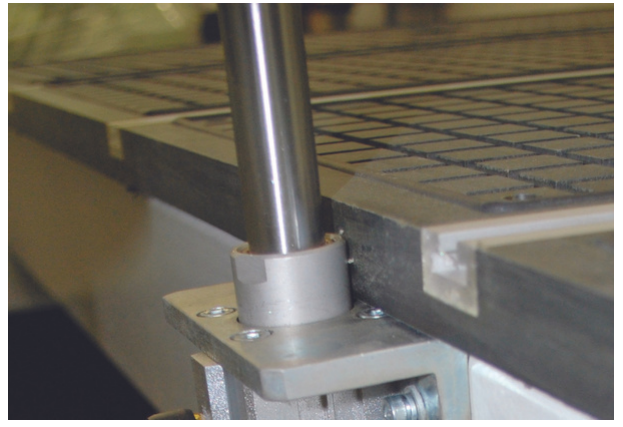
ELECTRONICS

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 is tagged so that when service is required, the customer can easily navigate the cabinet. In addition, the cabinet serves as a work bench for the tools required. tool changer. This precision spindle requires no maintenance, uses industry standard ER collets and ISO 30 tool holders, has fully programmable speeds from 6000 to 24000 RPM



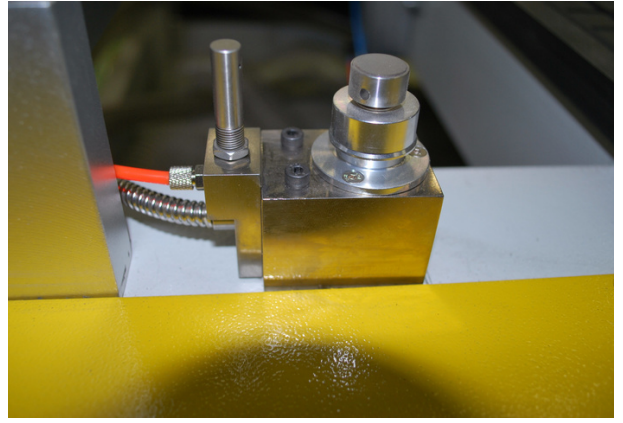
POP-UP PINS

The Techno Venture 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 axis of travel and always having a common origin.



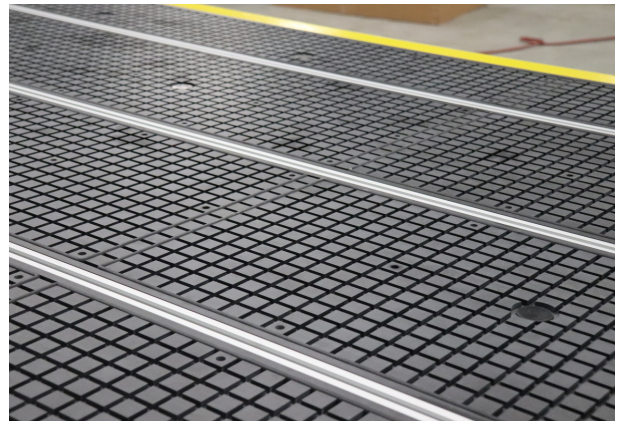
TOOL CALIBRATION

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




VACUUM TABLE


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



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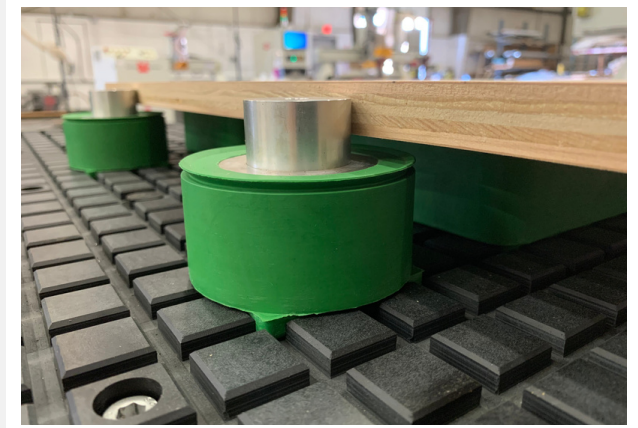
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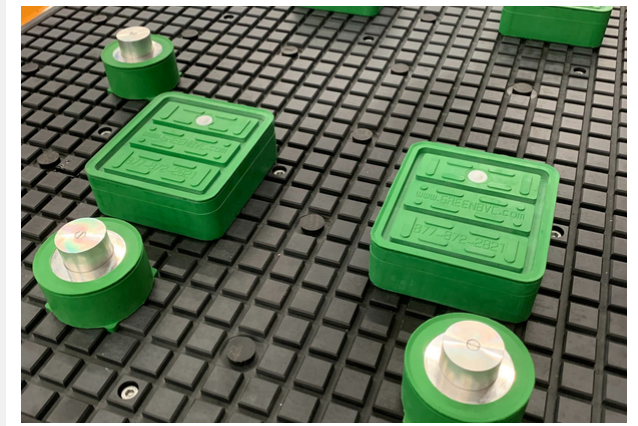
OPTIONS

ELEVATION PODS

With our new elevation pod option, you can now raise material off of the machine tables surface for easy horizontal drilling and routing.





DOUBLE LAYER POD TABLE

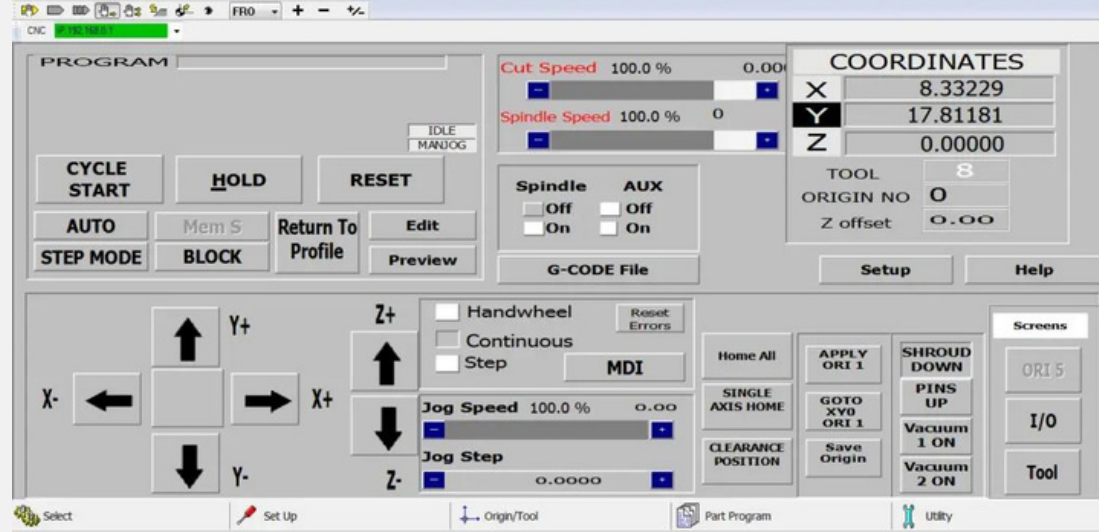


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G-CODE INTERFACE

Techno CNC's Venture 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 suit 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

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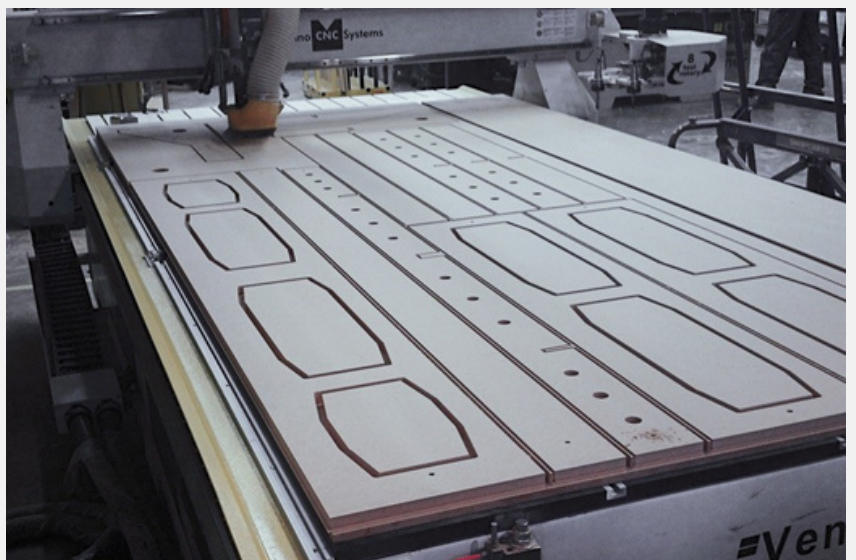


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GALLERY



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TESTIMONIALS

I just wanted to thank you for your tech support for my Techno CNC Venture Router. In today's day, almost every company who sells you a machine and promises service will not give you the time of day... just excuses/more of a reason why it is not covered or how much it will cost per minute for technical support. I cannot express my gratitude on the help I have received from Techno over the past 6 years I have owned my CNC router, and the 8 years of tech support for my previous Techno router. You and the team at Techno CNC stand behind what you sell 100%. I am a hard person to please. I have been servicing the museum industry for over 30 years and have never been a day late on any job in the past 30 years. Once again, I would like to thank you for your service and reliable machinery. Please take a look at our website

www.insightdisplaycases.com

"90 % of these jobs were cut on our Techno CNC Venture Router – feel free to use this as our testimonial to your company".

- Scott Hoefer, Insight Exhibits



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READY TO MAKE THE PLUNGE?

**INVEST IN A TECHNO CNC ROUTER TO ENSURE BUSINESS
EXPANSION AND AN INCREASE IN SALES**



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