

Venture *Plus*

Techno
CNC
Systems



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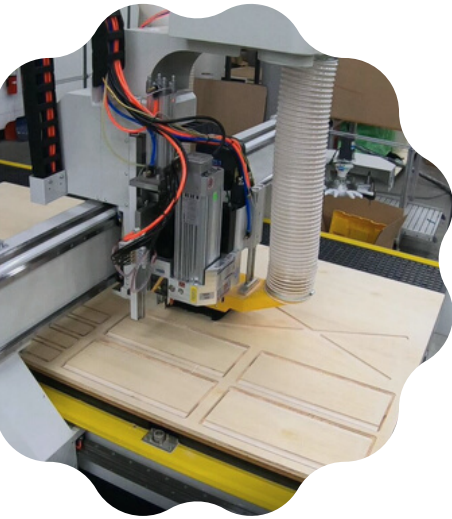
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Venture *Plus*



ABOUT OUR **VENTURE PLUS**

The Venture Plus CNC Router is designed for high volume production shops with demanding applications that

require high throughputs. Features include all steel construction, precision linear rails and bearings, precision helical rack-n-pinion on the X and Y axes with a ballscrew Z axis drive, PC based Osai industrial CNC controller with easy to use system interface, 12 HP precision HSD Italian spindle 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 are housed in the Nema double-door cabinet which allows for easy access. Our product is manufactured with state-of-the-art engineering techniques allowing us to sell this high quality precision machine at a very economical price. This engineered masterpiece is the result of years of experience in the CNC router market and ideal for mid and large volume production shops.

IMPRESSIVE FEATURES

INCLUDES:

- ✓ 12 HP HSD high frequency automatic tool changer spindle
- ✓ 8 Position Rotary Tool Carousel
- ✓ 9 Spindle Drill Bank
- ✓ 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
- ✓ Open architecture works with all industry standard CAD/CAM software

Venture

CONSTRUCTION FEATURES

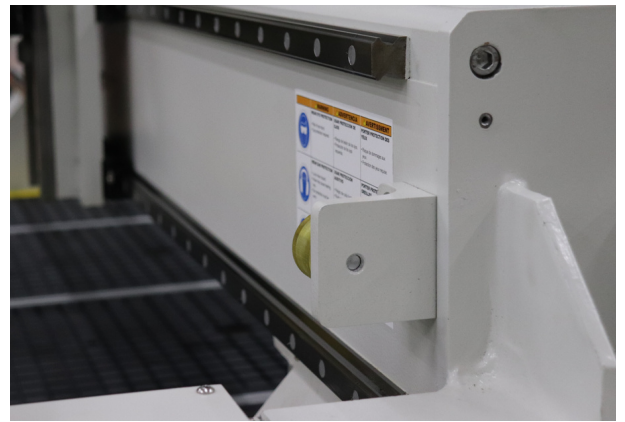
BASE FRAME

The Venture Plus 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.



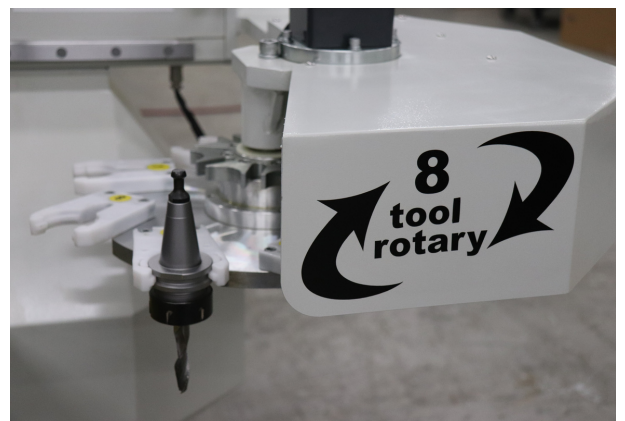
SPINDLE

The Venture Plus 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.



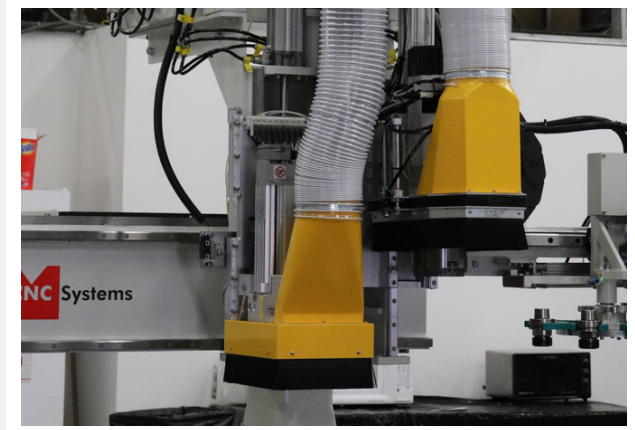
8 TOOL ROTARY CAROUSEL

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.



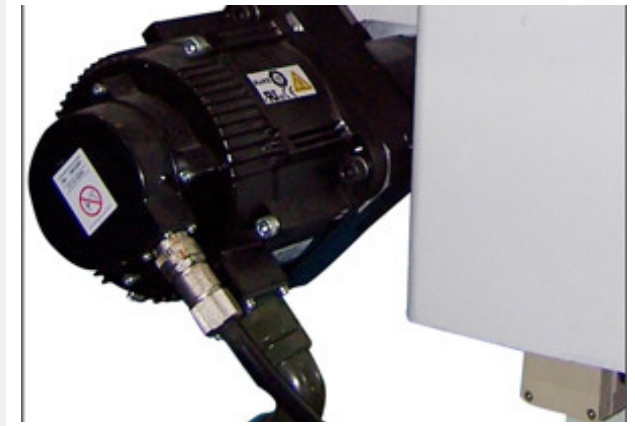
VACUUM SHROUD

The Venture Plus 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



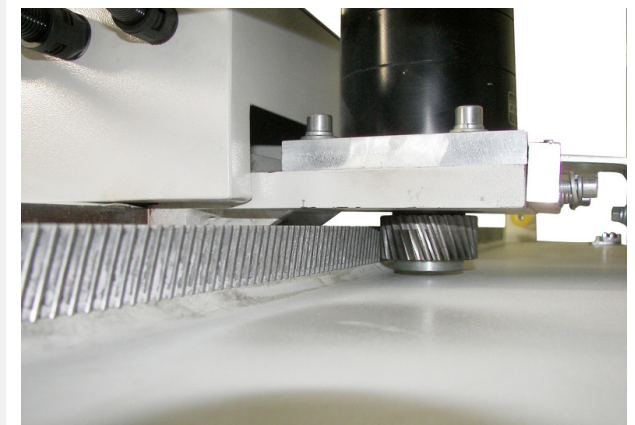
DRIVE MOTORS

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 Plus 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



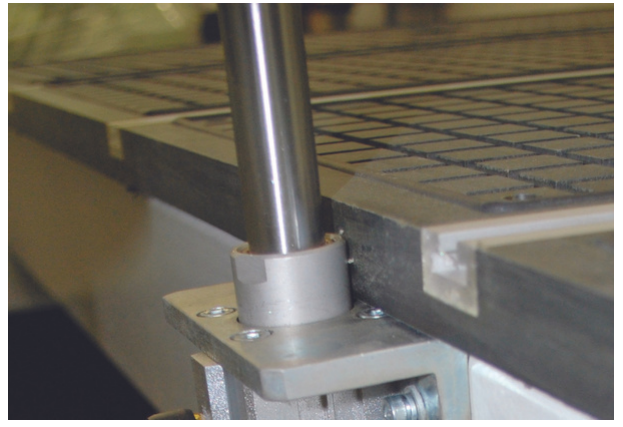
ELECTRONICS

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



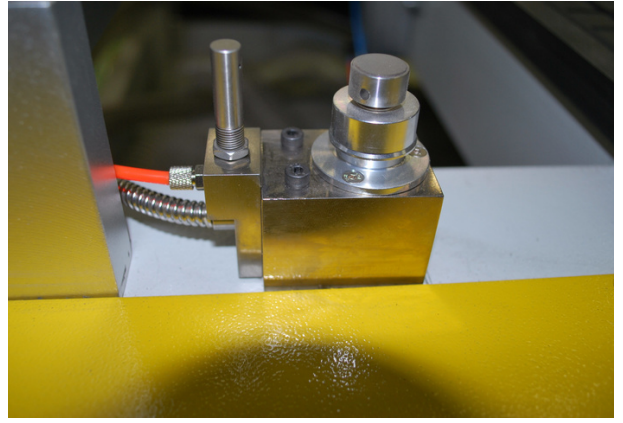
POP-UP PINS

The Techno Venture Plus 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.



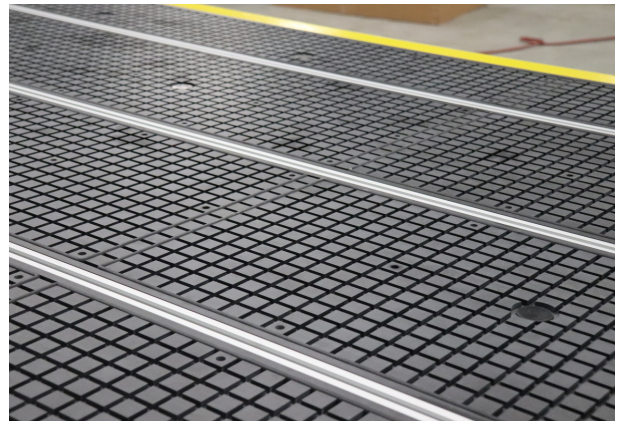
TOOL CALIBRATION

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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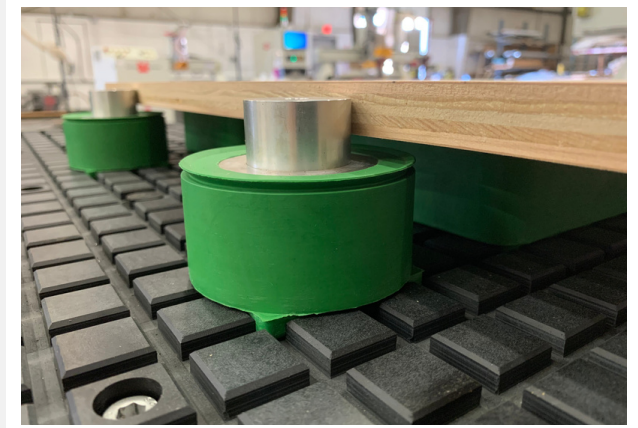
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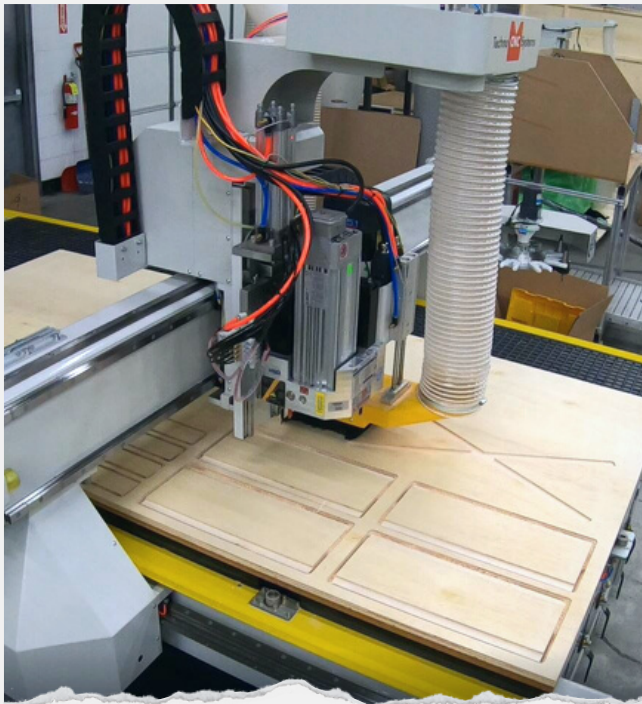
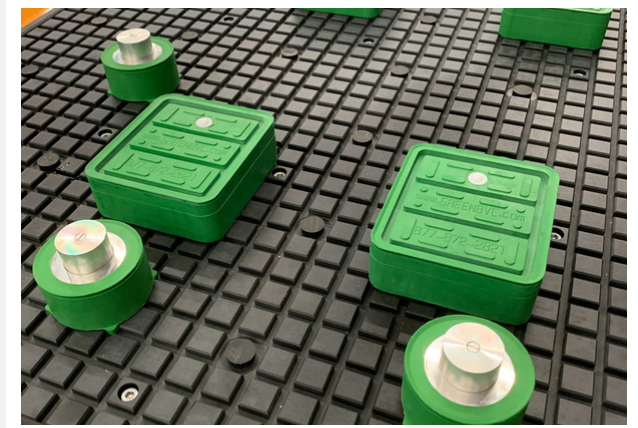
OPTIONS

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



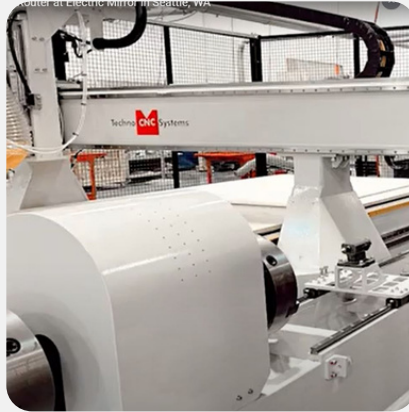
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GALLERY



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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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