

ATLAS

Techno
CNC
Systems



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ATLAS

ABOUT OUR **ATLAS** WORKSHOP SERIES



The Atlas Series machine is all steel construction providing the rigid foundation required for ultra-smooth routing results. The Atlas machine includes a 4HP HSD collet spindle. This CNC router model includes a dust hood that has concentrated air flow at the cutter, which provides optimal dust collection performance. The multi-zone vacuum t-slot table is constructed from very hard Phenolic, which is very stable material, and holds tight tolerances for precision cutting. The Atlas Series is connected to a 10HP Rotary vane vacuum pump, which has very quiet operation (82db). The Atlas series is powered by brushless drive motors, and is controlled via easy to use and learn hand held controller.

IMPRESSIVE FEATURES

INCLUDES:

- ✓ 4' x 4', 4' x 8' and 5' x 10' stock sizes (Special sizes available upon request.)
- ✓ 4 HP HSD high-frequency collet spindle
- ✓ Maintenance free brushless drive motors
- ✓ Easy to use hand held controller (optional PC based system available)
- ✓ Open architecture works with all industry standard CAD/CAM software
- ✓ Multi-zone vacuum t-slot table

IMPRESSIVE FEATURES

CONSTRUCTION FEATURES

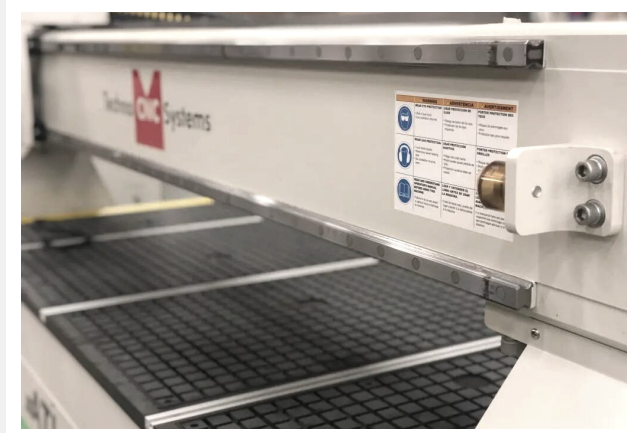
STEEL BASE

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



GANTRY

The gantry is constructed of tubular steel with reinforcing ribs, welded throughout the length of the column, which results in a steady firm beam assembly. This quality engineering and workmanship result in smooth precision cutting.



SPINDLE

The Atlas machine comes standard with a 4 HP HSD high frequency collet spindle. These precision spindles require no maintenance, use industry standard ER collets, come fully programmable speeds from 6000 to 18000 RPM, and come complete with a vacuum hood and wrenches.



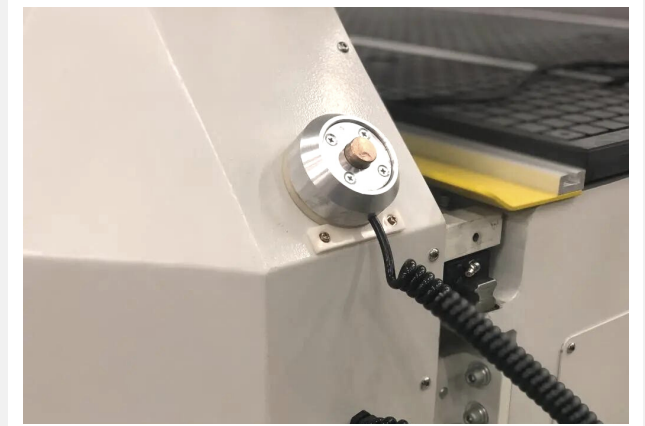
VACUUM TABLE

The Atlas comes standard with a multi-zone phenolic vacuum t-slot table which is controlled via electro-pneumatic valves. The table can be easily customized by rerouting gasketing to section off specific areas.



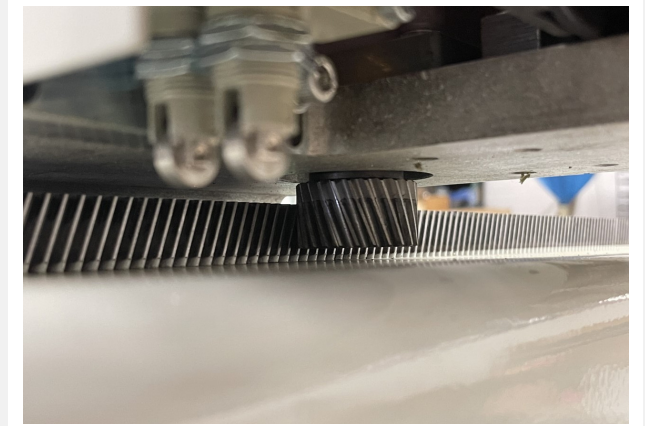
TOOL CALIBRATION

Automatic tool calibration pad allows for easy and accurate "Z" zero position.



DRIVE TRAIN ASSEMBLY

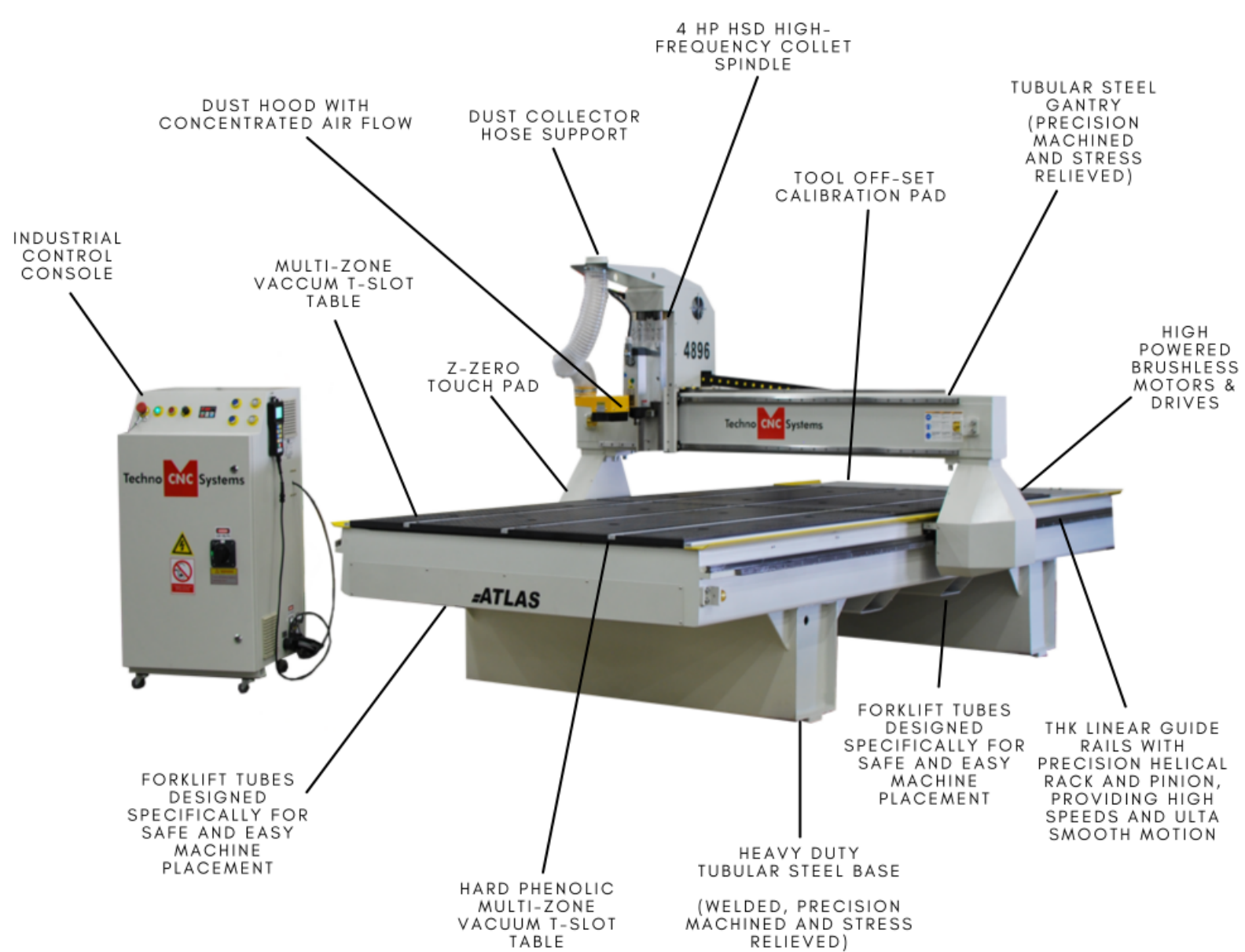
The Atlas uses precision helical gear racks on the X and Y axes. The mounting of the rack is inverted to help keep dust and debris from building up on the drive system. This assures smooth motion and long term reliability. The precision gearbox is directly coupled to the drive motor and pinion. This 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 double-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.







HANDHELD CONTROLLER

The hand-held controller is the heart of the operational system. This hand-held controller redefines the phrase "easy-to-use". Customers can be up and running the same day power is connected to the machine. Every controller has very easy-to-read, -understand, and -execute commands. The setup introduction manual provides information that will have users cutting parts in minutes



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



OPTIONS



**DIGITAL
REGISTRATION**



**DRAG
KNIFE**



**3D
PROGRAMMING
SOFTWARE**



**OSCILLATING
KNIFE**



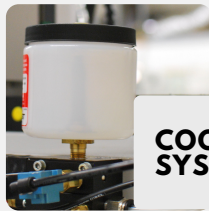
**CREASING
WHEEL**



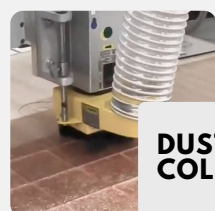
**4TH AXIS
ROTARY TABLE
ASSEMBLY**



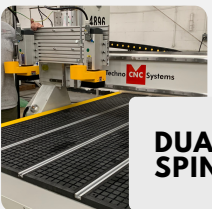
**TANGENTIAL
KNIFE**



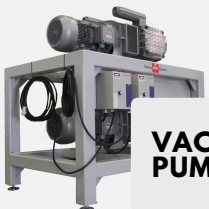
**COOLANT
SYSTEM**



**DUST
COLLECTION**



**DUAL
SPINDLE**



**VACUUM
PUMP**



**MULTI
SPINDLE**



**VORTEX AIR
GUN**



**TOGGLE
CLAMPS**



**AGGREGATE
TOOL**



**BRAILLE
INSERTION**



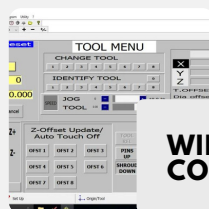
**POD
TABLE**



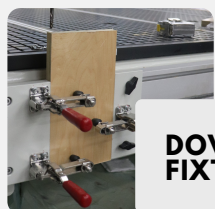
**CAM
CLAMPS**



**ROUTER
SPECIFIC
TOOL KITS**



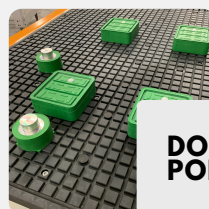
**WIN CNC
CONTROLLER**



**DOVETAIL
FIXTURES**

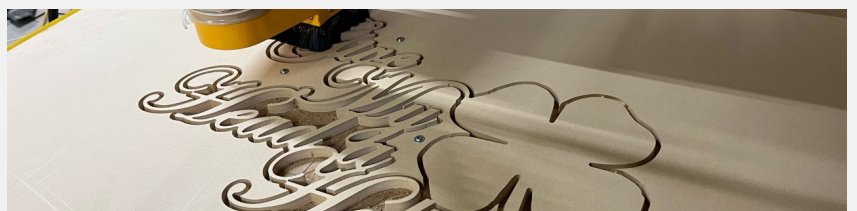
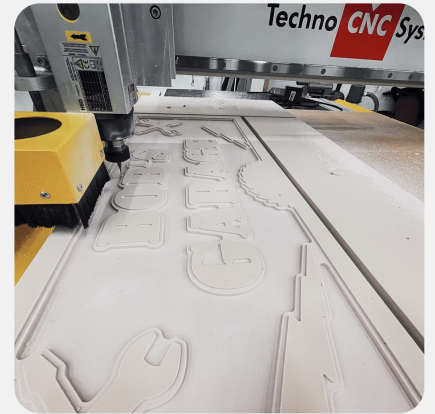


**ELEVATION
PODS**



**DOUBLE LAYER
POD TABLE**

GALLERY



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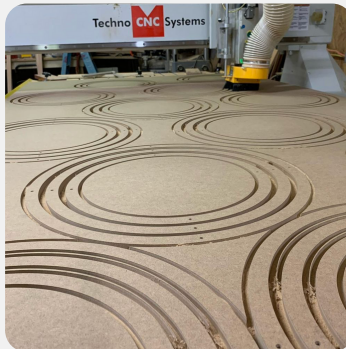
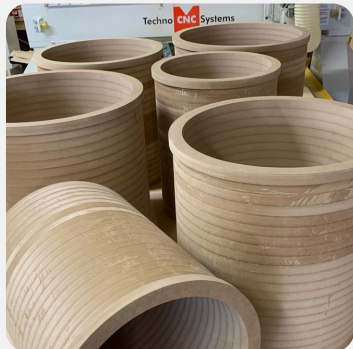


631-648-7481

TESTIMONIALS

"The Atlas Series has been an excellent machine to enter into the CNC world. When purchasing a CNC router, I found Techno to be extremely reliable, as well. Whenever I called Techno for a simple tech support question, a living breathing person answered the phone, and I know I am always going to get the answer immediately. I never feel as though I am getting pushed around, like some of the other reviews claimed with larger CNC companies. That was huge for my purchasing decision. They have free lifetime support, as well, so I never have to worry about paying for technical advice and care".

Rob Staropoli, Robert Staropoli Cabinetry



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EXPANSION AND AN INCREASE IN SALES**



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