



by  DMS

Phone: 888.436.8768

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Patriot 4'x4'

Industrial Strength, Economical Footprint

The Patriot 4'x4' CNC router offers industrial-quality machining at an affordable price, with a small footprint that's ideal for shops with limited workspace or for those looking to transition from traditional production methods to CNC machining. Like all of our FMT machines, this model features an all-steel frame, precision motion components, absolute encoders, and free copies of Fusion 360 and ArtCam software.

Our line of FMT machines are manufactured at our facility in Colorado Springs, CO, which features a turnkey production shop that includes welding, parts fabrication, assembly, electrical, and testing. An affiliate of Diversified Machine Systems, Freedom Machine Tool has a skilled team with over 35 years of experience producing reliable, robust CNC routers. In fact, we're so confident in our machines' capabilities that we offer free lifetime technical support with your Patriot purchase.



Proudly engineered, built and supported
by Diversified Machine Systems



Quality Above Everything

We have over 35 years of experience building precision CNC machines for a wide range of industries, and we understand that your business is unique. We offer a variety of options for your Patriot router, so you can configure your build with the necessary components to address your manufacturing challenges. Whether you require a high-speed spindle, an automatic tool changer, or a custom engineered solution, we have the background and engineering resources to meet your specific needs.

Applications

The Patriot machine is capable of manufacturing a wide variety of products, such as cabinets, custom furniture, signs, musical instruments, plastic parts, 3D modeling, architectural millwork, tradeshow exhibits, prototypes, and more.



Materials

Our Patriot machines offer the rigidity and repeatability required to process many materials, including wood, plastics, foam, aluminum, composites and more. Whatever material you're working with, we can configure and build a CNC router to accurately and efficiently get the job done.



Expertise

The Patriot CNC router is proudly engineered and produced by Diversified Machine Systems, a leader in the CNC industry. The same industrial components demanded by Fortune 500 companies are standard on all of our Patriot machines, which translates into a durable product that your business can depend on.

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Patriot 4'x8'
4th Axis

A Complete Machine Solution

The Patriot 4'x8' with Lathe was designed as a response to increasing customer demands for a tool that would allow them to expand their capabilities with 4th axis machining. The lathe attachment makes this router incredibly versatile and gives your shop the flexibility to take on new projects. This machine helps simplify the production process by eliminating the needs for many tools, while increasing productivity at the same time. Like all of our FMT models, this machine features an all-steel frame, precision motion components, absolute encoders, and free copies of Fusion 360 and ArtCam software.

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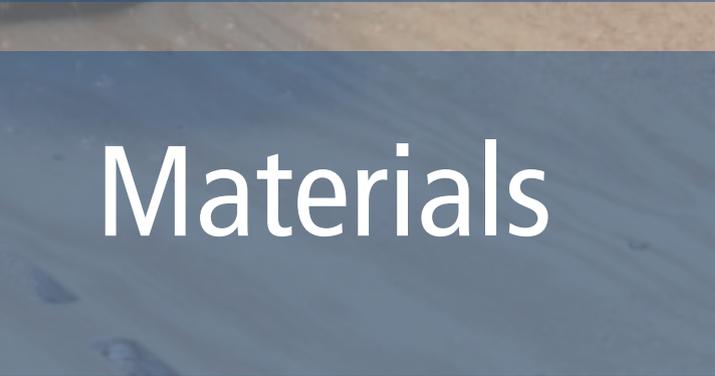


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Patriot 4'x8'

Reliable & Effective

Our most popular model, the Patriot 4'x8' CNC router is ideal for everyone from a beginner woodworker to a busy production manager. Like all of our FMT machines, this model features an all-steel frame, precision motion components, absolute encoders, and free copies of Fusion 360 and ArtCam software.

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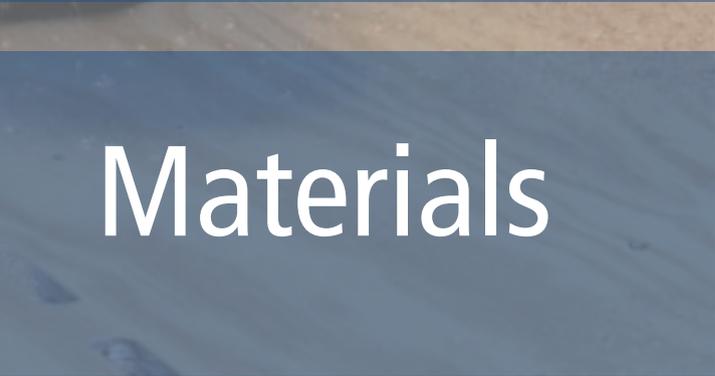


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Patriot 5x10
Plus

Versatility Meets Repeatability

The Patriot 5'x10' Plus model was introduced to accommodate our customers' need for a machine with increased Z axis to allow them to take on larger projects. Ideal for any shop looking to expand their capabilities and improve throughput, this model is available with either 10" or 15" of Z axis travel. Like all of our FMT machines, this model features an all-steel frame, precision motion components, absolute encoders, and free copies of Fusion 360 and ArtCam software.

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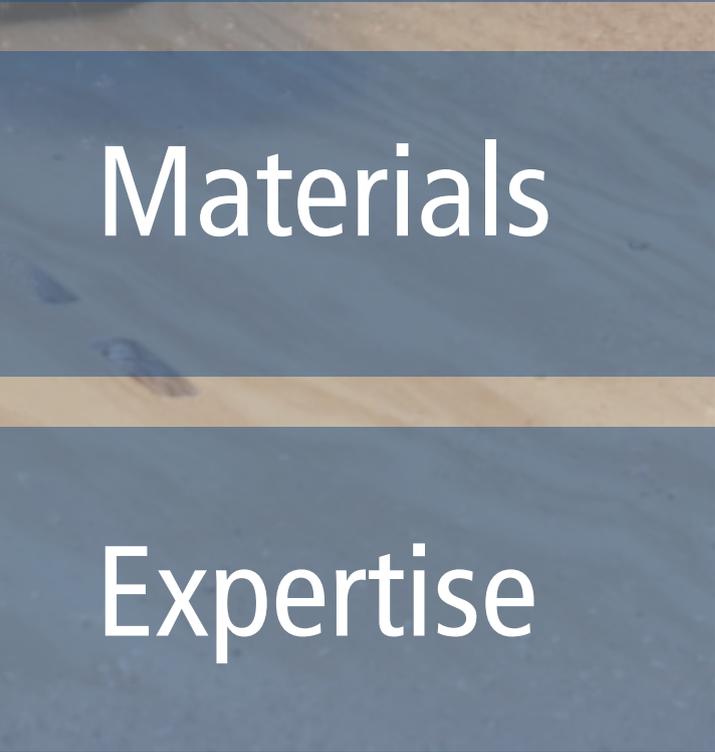


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Patriot 5'x10'

Industrial Power, Versatile Size

The Patriot 5'x10' model has a larger work area that is perfect for bigger woodworking and cabinetry jobs, or any shop looking to expand their capabilities while still maintaining a compact footprint. Like all of our FMT models, this machine features an all-steel frame built to handle rigid materials and allow for more aggressive cuts. It also includes free copies of Fusion 360 and ArtCam software.

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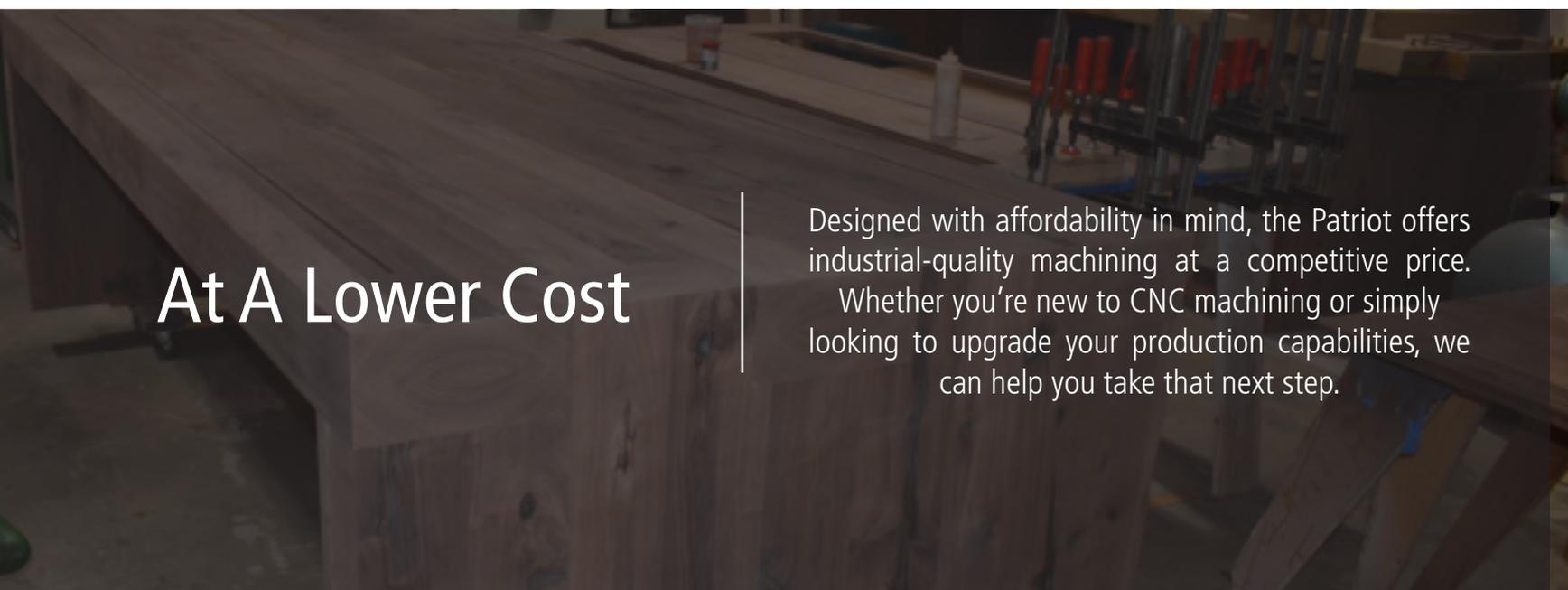


Produce More Parts

Patriot CNC routers are designed to give users the ability to quickly ramp up production and improve throughput. Dramatically reduce the time it takes to fulfill orders and take advantage of true repeatability. Simply design your product and let the Patriot perform, while you focus on other aspects of your business.

With Higher Quality

Every Patriot CNC Router is built with professional grade industrial components, which translates into fast and precise cuts across a wide variety of materials. All of our Patriot models are value-engineered and manufactured at our headquarters facility in Colorado Springs, CO USA.



At A Lower Cost

Designed with affordability in mind, the Patriot offers industrial-quality machining at a competitive price. Whether you're new to CNC machining or simply looking to upgrade your production capabilities, we can help you take that next step.

No Matter The Application We've Got You Covered

Your business is unique and your machine should be too and that's why we offer a variety of CNC router solutions to fit your needs. Over 35 years of machine design and real-world application experience are embedded into every Patriot CNC.

Patriot 4' x 4'

The Patriot 4'x4' features industrial-quality components in an economical footprint.



Patriot 4' x 8'

The 4' x 8' is ideal for pre-cut sheets of material and nested based production.



Patriot 4' x 8' 4th Axis

This Patriot model incorporates a side lathe for 4th axis detailed routing.



Patriot 5' x 10'

Take on large production runs and cut bigger materials with this increased table size.



Patriot 5' x 10' Plus

Expand your capabilities with 4,500 lbs. of routing power and 15" of Z axis travel.



 **FREEDOM**

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Standard Features

The Patriot line of CNC routers comes standard with a variety of high-end features. 35 years of expertise building industrial CNC machines goes into every Patriot design and available feature. We're so confident in our machines capabilities, we offer free lifetime support with every purchase.

- Welded Steel Base & Bridge Construction
- Profiled Rails on All Axes
- Precision Ball-Screws on All Axes
- Recirculating Ball Nut Drive System on All Axes
- Laser Calibrated X & Y Axis
- Fagor Industrial Closed-Loop AC Servo Motors and Matching Amplifiers on All Axes
- Absolute Encoders

- Fagor 8037 Industrial Controller with Color Monitor
- Dust Collection Hood
- Ethernet TCP / IP, USB and Serial Port Connections
- Centralized Auto Lubrication
- Autodesk Fusion 360 & ArtCam Subscription (3 Axis Post Processor Included)
- Lifetime Technical Support

Have Questions?

The Patriot is so well-equipped, we simply don't have room to list all of the features. We're happy to talk with you about a specific feature or answer any other questions.



Available Features

Spindles

We offer a variety of spindles for our Patriot machine, and we'll work with you to find the best solution for your application. We carry the top brands such as HSD and Teknomotor, and we offer options for oscillating and drag knives.

Spindle Accessories

The Patriot can be equipped with numerous add-ons to further enhance your production process, such as an automatic tool change racks, tool holders, a tool height sensor, a material thickness sensor, vision camera systems and more.

Vacuum Options

Our vacuum system is precision engineered to provide you with the most hold-down force, options from 2-zone to 7-zone are available on most models.

Table Options

There are on average 8-10 different table configurations available for each Patriot model. Our knowledgeable team will help you determine the best layout for your particular application.

Software Options

The Patriot accepts standard GCode and is compatible with virtually any CAD/CAM software. We bundle Autodesk Fusion 360 and ArtCam with every machine as well as include a post processor so you can start machining on day one.

Installation & Training

We offer numerous lengths of installation and training with the intent on setting you up to succeed. A CNC is game changing and we want you to have every resource you need to take advantage of the capabilities of a Patriot CNC.



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