



CNC ROUTERS
CNC PLASMA CUTTERS
LASER ENGRAVER CUTTERS
CNC MILLS & CNC LATHES
WATERJET
CAD/CAM SOFTWARE

ISSN 2689-8047

MANUFACTURING

OUTLOOK

themanufacturingoutlook.com



Shaping
the Future
of CNC
Manufacturing

John Martincic,
President

Forest Scientific



Computerized Tools For Transforming Ideas Into Reality

Forest Scientific Competitive Advantages

The more research you do, the more convinced that although Forest Scientific Corporation may not always be the lowest price, it is the best quality, value, and best choice for your school.

1. **Made in the USA** at our world headquarters in Tionesta, PA.
2. **Single Source, On-Site, Parts & Labor 36 month warranty** on all new CNC machines made by Forest Scientific Corporation. Most of our competitors warranties are 1 year and parts only. This means that you will save the \$3,000.00-\$7,500.00 that others charge to have someone come on-site per visit from their factory if a problem occurs during the warranty. **Do not assume other manufacturers will come to your location for free. They won't. Many do not offer on-site service for any price. 2 year warranty on laser products.**
3. **On-site training** is available for you and your students to ensure a successful start. It is more effective for initial training to be on your own equipment than to go to a training site. With your approval, students are trained to assist and help train other students. **Written & video tutorials** and curriculum are available to show your students while teaching classes. Additional training is available on-site, at one of our training centers, and over the internet.
4. **Free phone and internet support is available nearly 24/7.** Versus being charged by the minute during restricted office hours to get help. You can talk to someone in the evening and on weekends so you are not limited to office hours. Our CEO freely gives out his cell number to call or text.
5. Unless otherwise specified, **all FSC machines come fully assembled.** Most of our competitors erector set kits will require 40-80+ hours of your time to assemble. Our machines are often running within an hour of arrival if the electricity & airline are ready. Buy a machine, not a box of parts.
6. **Our CNC controls connect to the computer via USB or Cat 5**, not outdated parallel port, serial port, ISA ports, or other port that require a DOS or other outdated computer. **Do not assume that the technology is current.** Many of the best marketed products are very out of date.
7. Hardened, profiled, made in USA, **Precision NSK or THK linear ways and bearings not just wheels on plate steel or angle iron.** These machines cannot be bumped out of place like most of the machines in the same price range. The grease fitting on each linear bearing ensure a dependable life.
8. **All our CNC machines use industry standard Fanuc style G&M codes**, not a proprietary language. Thus you are teaching marketable skills, not just playing with a dead end *toybot*. You can **use any CAD/CAM software producing industry standard G-Codes** such as Mastercam, Fusion, Enroute, Vcarve, Aspire, Cut2D, Fusion360, SolidWorksCam, Rhinocam, Inventor with HSM, and more.
9. We use more powerful stepper & servo motors on our machines to be more reliable.
10. **Welded steel frames**, and structural aluminum hold up better in the long term than bent sheet metal and bolted angles because they will not work loose or get out of alignment over time.
11. FSC machines have an Emergency Stop and safety reminders for users to operate the machine safely.
12. Forest Scientific Corporation machines and upgrades are designed to be updated at a low cost when technology changes.
13. **Our local dealers are caring professionals providing local, on-site support second to none.**



Dear Educators:

Thank you for reviewing this edition of our educationally priced catalog. This year we are honored to receive the award of **2025 CNC Machinery Manufacturer of the year** from **Manufacturing Outlook**. An excerpt from the magazine is in the back of this catalog. We have also received recognition from **Forbes**, **Entrepreneur**, and **Fortune** Magazines. It is a great feeling to receive industry recognition for our hard work, quality products, and exceptional customer service. We were also voted the **2022 Small business of the year for Pennsylvania and Western region**. We were featured on **Worldwide Business with Kathy Ireland**. We have a long running **A+ certification with the Better Business Bureau**. Our best advertising is referrals from our loyal customers.

You may have noticed our new logo above on the left. Our logo had the old look for the last 30 years and it was due to be updated with a new high tech look for modern times. It is what many customers have called our equipment for a long time. I often hear clients say "I have a Forest CNC."

We manufacture everything in the United States in Tionesta, PA and Phoenix, AZ. Forest Scientific Corporation provides a 36 month single source, on-site parts & labor warranty on all new machines we manufacture unless otherwise noted, a 24 month on-site parts & labor warranty on Laser engraver cutters, and an 18 month on-site warranty on all upgrades and used machines. We provide on-site training and Project Based Curriculum. When you have any questions or need creative strategies to finance your order, please do not hesitate to call/text my cell +1-412-726-0574 or call 1-800-956-4056 X 1001.

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Sincerely,

John E. Martincic
President, CEO
johnm@forestcnc.com

A+



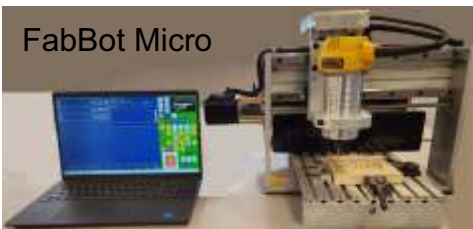
*All pricing & specifications subject to change without notice
This Catalog pricing effective 4/1/2025*

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FabBot Desktop Routers

Precision CNC Machines For Demanding Applications

These machines come turn-key with a 3 year warranty, control computer, and unlimited phone and online tech support.



FabBot Micro

FabBot Desktop Series CNC Router Models

Include: Aluminum T-Slot table, Hold Downs, 1-1/4HP router, wrenches, CAD/CAM, training tutorials, and starter set of bits. Operates on 110V 15A

| | |
|--|-------------|
| FabBot Micro 9" x 9" x 3" 229 x 229 x 76mm | \$ 4,999.00 |
| Optional safety Shield 9" x 9" | \$ 499.00 |

| | |
|---|-------------|
| FabBot 14" x 14" x 6" 355 x 355 x 76 mm | \$ 6,999.00 |
| Optional safety enclosure 14" x 14" | \$ 1,499.00 |
| On Mobile Maker Cart with enclosure | \$ 1,999.00 |

| | |
|--|-------------|
| FabBot 24" x 18" x 6" 609 x 457 x 76mm | \$ 7,999.00 |
| Optional enclosure w/stand for 24"X18" | \$ 2,999.00 |
| Optional removable Vac Table Sys2418 | \$ 3,999.00 |

| | |
|--|-------------|
| FabBot 24" x 24" x 6" 609 x 609 x 76mm | \$ 8,999.00 |
| Optional enclosure w/stand for 24"X24" | \$ 2,999.00 |
| Optional removable Vac Table Sys 2424 | \$ 3,999.00 |

| | |
|---|-------------|
| FabBot 36" x 24" x 6" 914 x 609 x 76mm | \$ 9,999.00 |
| Optional enclosure w/ stand for 36"X24" | \$ 2,999.00 |
| Optional removable Vac Table Sys3624 | \$ 3,999.00 |



FabBot1414 with mobile Maker Cart

Options

| | |
|---|-------------|
| Upgrade to 1.5HP 110V High Freq spindle | \$ 2,600.00 |
| FBD Dust control system with Dust shoe, hose and Vacuum | \$ 1,499.00 |
| FBDRotary fourth Axis | \$ 3,999.00 |
| Wireless Jog Pendant | \$ 599.00 |

For FabBot 24" X 24" or larger able to engrave / cut
44W Diode Laser (requires full enclosure) \$ 6,000.00



FabBot36X24 with Vac Table
on enclosed steel stand

FEATURES

- * Constructed NSK Linear Rails & Bearings
- * Fully assembled machine
- * Heavy duty construction
- * 3-D 3-Axis with Continuous Contouring
- * Runs Industry Standard G-Codes
- * On-Screen Simulation
- * Compatible with most CAD/CAM Systems
- * Optional Dust hood

FabBotATC Router

FEATURES

- * Constructed NSK Linear Rails & Bearings
- * Fully assembled machine
- * Heavy duty construction
- * 3-D 3-Axis with Continuous Contouring
- * Runs Industry Standard G-Codes
- * On-Screen Simulation
- * Compatible with most CAD/CAM Systems
- * Optional Dust hood



\$26,999.00

**TurnKey
Package with:
Stand
Enclosure
Computer**

APPLICATIONS

- * Sign Making
- * Plastics Fabrication
- * Furniture Making
- * Model Making
- * Education



FabBot ATC 38X24X6 ATC with 1.5 HP High Freq ATC Spindle and 6 pos ATC

Usable work area
38"X24"X6" 965mm X 610mm X152mm

Utility Requirements
110V AC 20A or 240V 10A
90 PSI Compressed Air not included

Options:

| | |
|-----------------------------------|------------|
| 6" Rotary 4th Axis | \$3,999.00 |
| Vacuum Table With Vacuum pump | \$3,999.00 |
| Digital Reverse engineering probe | \$2,999.00 |
| Wireless Handheld MPG Jog pendant | \$ 599.00 |
| Quiet Air Compressor | \$ 899.00 |
| FBD Dust control system | \$1,499.00 |
| Custom sizes and spindles | \$ CALL |

CNC Routers

Most popular models in schools and smaller shops

All pricing and specifications subject to change without notice.



FabBot Platform Series Router Models

Each of the fully assembled CNC Routers below include Control Computer, CAD/CAM software, tooling set, MDF Table with Aluminum T Slots, Clamping system, curriculum, 1-1/4 HP Router, wrenches operates on 110V 20A. The floor space is about 2' larger than the work area. Maximum 1.5HP spindle.

| | |
|------------------------------|-------------|
| FabBotR 48" x 20" CNC Router | \$11,999.00 |
| FabBotR 48" x 48" CNC Router | \$13,999.00 |
| FabBotR 48" x 96" CNC Router | \$15,999.00 |

(ALL X 20" Models fit through standard 36" door)

Key Points:

- *Entry Level economy system
- *Able to make anything that higher end can
- *Welded steel frame - yet easy to get up stairs and in other more difficult places
- *Complete Turnkey package
- *Best in it's comparable price class
- *Most popular for those on a tight budget
- *Single Source 3 year, on-site, parts & labor warranty



4th Axis Example
The 4th Axis allows the user to wrap a 2D or 3D image around the material or replicate a part the would usually require a lathe.



Titan Series Router Models

The Titan Routers are cost effective heavy duty machines made of structural aluminum. The floor space is about 2' larger than the work area. This is a great model for upstairs and other installations requiring special handling since they are lighter weight than steel. Includes Control Computer, CAD/CAM software, tooling set, MDF Table with Aluminum T Slots, Clamping system, curriculum, 3-1/2 HP Router, wrenches, operates on 110V 20A.

| | |
|--|-------------|
| TitanR 24" x 20" CNC Router 609x508mm | \$14,999.00 |
| TitanR 48" x 20" CNC Router 1220x508mm | \$16,999.00 |
| TitanR 48" x 48" CNC Router 1220x1220mm | \$18,999.00 |
| TitanR 48" x 96" CNC Router 1220x2438mm | \$20,999.00 |
| TitanR 60" x 120" CNC Router 1524x3048mm | \$27,999.00 |

Key Points:

- Heavier Duty than FabBot with larger structural alum.
- *Can be disassembled for smaller doors & take upstairs
- *Comparable features to MakerFab except AL frame
- *Complete Turnkey package
- *Best in it's comparable price class
- *Tutorials available
- *True 3D with continuous contouring
- *Single Source 3 year, on-site, parts & labor warranty



Maker-Fab Series Router Models

The Maker-Fab Routers are cost effective heavy duty machines made of a welded steel frame with 2" tubular steel. The extra rigidity is great for handling demands of student use and will last for years. Includes Control Computer, CAD/CAM software, tooling set, MDF Table with Aluminum T Slots, Clamping system, curriculum, 3-1/2 HP Router, wrenches, operates on 110V 20A

| | | |
|----------------|------------|--------------|
| RMF 24" x 20" | CNC Router | \$ 17,999.00 |
| RMF 48" x 20" | CNC Router | \$ 20,999.00 |
| RMF 48" x 48" | CNC Router | \$ 24,999.00 |
| RMF 48" x 96" | CNC Router | \$ 28,999.00 |
| RMF 60" x 120" | CNC Router | \$ 33,999.00 |

Key Points:

- *Can make anything that higher end can make
- *Heavy Duty Welded Structural Steel construction
- *Complete Turnkey package
- *Best in it's comparable price class
- *Most popular series high school wood shop
- *True 3D with continuous contouring and smoothing
- *Auto Z sensing for part zero
- *Unlimited file size for complex 3D parts
- *Homing sensors X,Y,& Z Axis for a machine home
- *Single Source 3 year, on-site, parts & labor warranty

Vacuum Table systems includes pump & Table

| | |
|----------------------------------|-------------|
| 24X24 Vac System upgrade 110V | \$3,500.00 |
| 48X24 Vac System upgrade 110V | \$4,500.00 |
| 48X48 Vac System upgrade 220V3PH | \$6,500.00 |
| 48X96 Vac System upgrade 220V3PH | \$8,500.00 |
| 60X120 Vac System upgrade | \$14,000.00 |
| If Vac Table Sys added later add | \$1,500.00 |

Other Options

| | |
|---|------------|
| 3D Digitizing probe | \$2,999.00 |
| 6" Fourth Axis | \$4,999.00 |
| Wireless Jog Pendant | \$ 599.00 |
| Desiccant Dryer System for ATC's | \$ 999.00 |
| Pneumatic cooler for metals 16cfm@90PSI | \$ 999.00 |



HS Series Router Models

The HS-Series Routers are heavier duty machines made with a larger tubular welded steel frame with 3" tubular steel. The extra rigidity is great for enduring demands of students and will stand the test of time with 24/7 commercial use. Its Closed loop HyBrid Servo control assures accuracy at the fastest speeds. Includes Control Computer, CAD/CAM software, tooling set, MDF Table with Aluminum T Slots, Clamping system, curriculum, 3-1/2 HP Router, wrenches, operates on 110V 20A

| | | |
|---------------------------|-------------|-------------|
| HSR 24" x 24" CNC Router | 609x609mm | \$21,999.00 |
| HSR 48" x 24" CNC Router | 1220x609mm | \$24,999.00 |
| HSR 48" x 48" CNC Router | 1220x1220mm | \$29,999.00 |
| HSR 48" x 96" CNC Router | 1220x2438mm | \$33,999.00 |
| HSR 60" x 120" CNC Router | 1524x3048mm | \$37,999.00 |

Key Points:

- *Complete Turnkey package
- *All of the features of the Maker-Fab
- *Closed Loop Hybrid Servos for Fastest Reliable Cut
- *Heaviest Duty Welded Structural steel under \$50K
- *Most popular robotics, CTE and commercial use
- *Faster output of 3D and Complex Cabinet Parts
- *Single Source 3 year, on-site, parts & labor warranty

Aluminum T-Slot Table

| | |
|-------------------------------|-------------|
| 48X20 or 24 T-Slot Table upg. | \$ 3,200.00 |
| 48X48 T-Slot Table upgrade | \$ 5,000.00 |
| 48X96 T-Slot Table upgrade | \$ 6,500.00 |
| 60X120 T-Slot Table Upgrade | \$ 7,000.00 |

Spindle upgrades

| | |
|--|-------------|
| 2.5 HP 1PH High Freq. spindle | \$ 2,900.00 |
| 5.5 HP 3 PH High Freq. spindle | \$ 3,900.00 |
| 12 HP 3 PH High Freq. spindle | \$ 5,900.00 |
| 1.5 HP 110V H. Freq. 6 pos ATC spindle | \$12,000.00 |
| 5.5 HP 3Ph H. Freq. 6 pos ATC spindle | \$17,000.00 |
| 5.5 HP Manual quick change Spindle | \$10,500.00 |

AUTOMATIC TOOL CHANGER ROUTERS

Turnkey package with heavy duty hybrid closed loop servo controls, ER32 tool holders, collet set, tooling set, control computer, tutorials, auto tool measurement, 3 year on-site parts and labor warranty. Ideal for cabinet making, robotics, and other higher level high school and CTE programs.

| | | |
|---|-------------|-------------|
| HSR-ATC 4' x 4' with 5.5 HP & 8 position ATC | 1220x1220mm | \$44,999.00 |
| HSR-ATC 4' x 8' with 5.5 HP & 8 position ATC | 1220x2438mm | \$49,999.00 |
| HSR-ATC 5' x 10' with 5.5 HP & 8 position ATC | 1524x3048mm | \$59,999.00 |

Higher end closed loop servo pro system that knows its location even in an E-stop state and includes the jog pendant and everything in above.

| | | |
|--|-------------|-------------|
| HSRPRO-ATC 4' x 4' with 5.5 HP & 8 position ATC | 1220x1220mm | \$64,999.00 |
| HSRPRO-ATC 4' x 8' with 5.5 HP & 8 position ATC | 1220x2438mm | \$69,999.00 |
| HSRPRO-ATC 5' x 10' with 5.5 HP & 8 position ATC | 1524x3048mm | \$79,999.00 |



Optional Upgrades for all Routers:

Vacuum Table systems includes pump & Table

| | |
|---------------------------------------|-------------|
| 48X48 Vac System upgrade 220V3PH | \$6,500.00 |
| 48X96 Vac System upgrade 220V3PH | \$8,500.00 |
| 60X120 Vac System upgrade | \$14,000.00 |
| 48x96 Carter Flip Pod Table with pump | \$28,000.00 |
| If Vac Table Sys added later add | \$1,500.00 |

| | |
|---|------------|
| Upgrade 5.5HP to 12HP ATC Spindle | \$2,999.00 |
| 3D Digitizing probe | \$2,999.00 |
| 6" Fourth Axis | \$4,999.00 |
| Wireless Jog Pendant | \$ 599.00 |
| Pneumatic cooler for metals 16cfm@90PSI | \$ 999.00 |
| Desiccant Dryer System for ATC's | \$ 999.00 |

Aluminum T-Slot Table

| | |
|-----------------------------|-------------|
| 48X48 T-Slot Table upgrade | \$ 5,000.00 |
| 48X96 T-Slot Table upgrade | \$ 6,500.00 |
| 60X120 T-Slot Table Upgrade | \$ 7,000.00 |

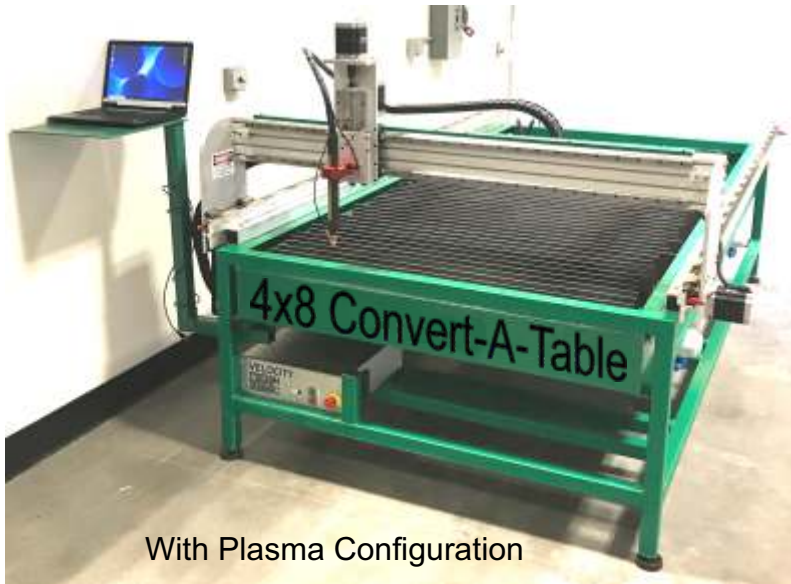


Wireless Jog Pendant

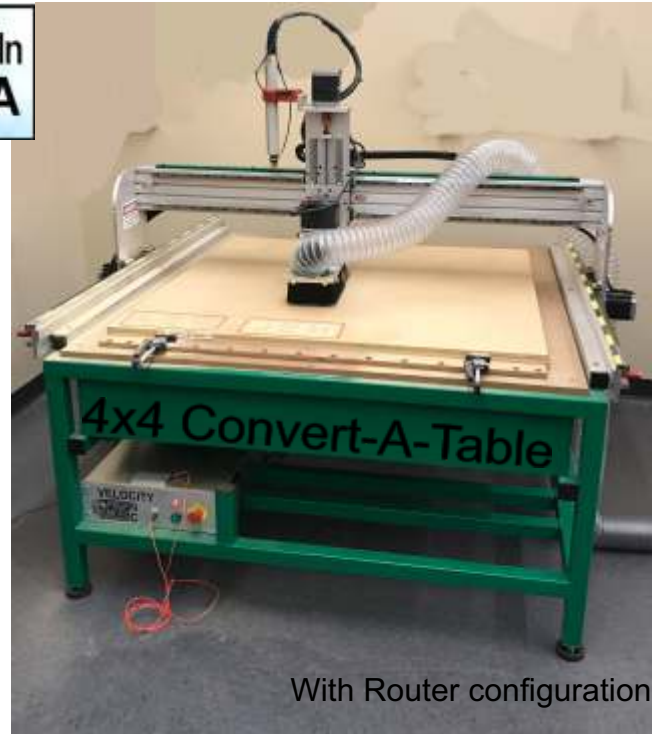
3D Digitizing probe



Convert-A-Table PLASMA CUTTER / ROUTER



With Plasma Configuration



With Router configuration

Convert-A-Table CNC Router / Plasma Models

| | | |
|-----------------|-----------------|-------------|
| MCAT 24" x 20" | Convert-A-Table | \$21,999.00 |
| MCAT 48" x 20" | Convert-A-Table | \$24,999.00 |
| MCAT 48" x 48" | Convert-A-Table | \$29,999.00 |
| MCAT 48" x 96" | Convert-A-Table | \$34,999.00 |
| MCAT 60" x 120" | Convert-A-Table | \$39,999.00 |

Includes: Plasma water table, router clamping table, 3-1/2HP router, Hypertherm 45, Automatic Torch height, Break-a-way system, welded steel stand, dust hood, CAD/CAM, Control computer, computer arm, and starter set of bits and deluxe clamp set. Hyperterm 45 requires 240V50A, the rest of the machine Operates on 110V 30A Floor space 2' greater than work area.

Convert-A-Table easily changes from a CNC Router to a CNC Plasma cutter. This is a great option if you have very limited space and only need one function at a time. The disadvantages are that you only have one machine instead of 2 and these machines can not have a vacuum table system due to the conversion between router and plasma. The 48"X20" machine makes it possible to fit through a standard 36" door. With this heavy duty frame that can plow through wood with the robust 3-1/2HP router while the water table is sealed off. Remove the router table and you have the water table for plasma cutting. No other machine is designed to correctly do both Routing and Plasma cutting well. Conversion between the 2 functions takes less than 10 minutes.

Popular CNC Plasma and CNC Router Accessories



For Plasma
& ATC
Routers

5 Stage Desiccant Drying System
\$999.00

Dust Control Computer
Security Cabinet
\$1,699.00



Dust Collector Package
Includes dust
collector, 50' hose,
& 2 clamps
\$1,999.00



For all full size routers

CNC Plasma Cutters

FabBot CNC Plasma



Titan CNC Plasma



FabBot Series Plasma Models

Each of the CNC Plasma cutters below include Control Computer, CAD/CAM software, ATH, Hypertherm 45Sync Plasma system, and training tutorials. 110V 20 A machine 240 V 50A plasma cutter. The floor space is about 2' larger than the work area.

| | |
|------------------------------|-------------|
| FabBot 48" x 20" CNC Plasma | \$13,999.00 |
| FabBot 48" x 48" CNC Plasma | \$14,999.00 |
| FabBot 60" x 60" CNC Plasma | \$15,999.00 |
| FabBot 48" x 96" CNC Plasma | \$18,999.00 |
| FabBot 60" x 120" CNC Plasma | \$19,999.00 |

FabBot CNC Plasma only options:

| | |
|----------------------------------|------------|
| 4x4 & 5X5 FabBot Watertable | \$2,600.00 |
| 48X96 & 60X120 FabBot Watertable | \$5,400.00 |

Key Points:

- *Entry Level low cost system made of Tubular Steel
- *Only model that watertable is made optional
- *Able to make anything that higher end can make
- *Easiest model to get upstairs due to lighter weight
- *Complete Turnkey package
- *Best in it's comparable price class
- *Automatic Torch Height
- *Magnetic Break-Away
- *Ohmic touch off and automatic Digital Voltage setting
- *Tutorials available
- *Most popular for those on a tight budget
- *Single Source 3 year, on-site, parts & labor warranty

Titan Series Plasma Models

The Titan Plasma cutters are cost effective heavy duty machines made of structural aluminum and come standard with a water table. The floor space is about 2' larger than the work area. This is a great model for upstairs and other installations requiring special handling since they are lighter weight than steel.

| | |
|------------------------------|-------------|
| TitanP 24" x 20" CNC Plasma | \$16,999.00 |
| TitanP 48" x 20" CNC Plasma | \$19,999.00 |
| TitanP 48" x 48" CNC Plasma | \$22,999.00 |
| TitanP 48" x 96" CNC Plasma | \$24,999.00 |
| TitanP 60" x 120" CNC Plasma | \$29,999.00 |

Key Points:

- *Heavier Duty than FabBot
- *Watertable Included
- *Can make anything that higher end can make
- *Easiest model to get up stairs due to lighter weight
- *Able to be disassembled to get through narrow doors
- *Complete Turnkey package
- *Best in it's comparable price class
- *Automatic Torch Height
- *Magnetic Break-Away
- *Ohmic touch off and automatic Voltage setting
- *Tutorials available
- *Most popular for difficult installations due to the building
- *Single Source 3 year, on-site, parts & labor warranty

MakerFab CNC Plasma HS Series CNC Plasma



Maker-Fab Series Plasma Models

The Maker-Fab Plasma cutters are cost effective heavy duty machines made of a welded steel frame with integrated Water Table. The extra rigidity is great for handling the demands of students and will last for many years.

| | | |
|----------------|------------|-------------|
| PMF 24" x 20" | CNC Plasma | \$20,999.00 |
| PMF 48" x 20" | CNC Plasma | \$23,999.00 |
| PMF 48" x 48" | CNC Plasma | \$26,999.00 |
| PMF 48" x 96" | CNC Plasma | \$29,999.00 |
| PMF 60" x 120" | CNC Plasma | \$35,999.00 |

Key Points:

- *Watertable Included
- *Can make anything that higher end can make
- *Heavy Duty Welded Structural steel construction
- *Complete Turnkey package
- *Best in it's comparable price class
- *Automatic Torch Height & Magnetic Break-Away
- *Ohmic touch off and automatic Voltage setting
- *Tutorials available
- *Most popular high school model
- *Single Source 3 year, on-site, parts & labor warranty

Plasma Cutter Upgrades and options

| | |
|---|--|
| PowermaxSync 45 | Pierce 1/2" steel and cut up to 7/8" |
| PowermaxSync 65 | Pierce 5/8" steel and cut up to 1" |
| PowermaxSync 85 | Pierce 3/4" steel and cut up to 1-1/2" |
| PowermaxSync 105 | Pierce 7/8" steel and cut up to 2" |
| PowermaxSync 125 | Pierce 1" steel and cut up to 2-1/2" |
| High Definition Plasma able to cut 2" thick steel | |
| Optional Torch slip touch off detection | \$1,999.00 |
| Optional Engraving head | \$2,997.00 |
| Optional HVAC Software | \$8,997.00 |
| Wireless Jog Pendant | \$ 599.00 |
| Micro Adjustable tilt head | \$1,500.00 |
| 5 Stage Desiccant Drying System | \$ 999.00 |

HS Series Plasma Models

The HS-Series Plasma cutters are heavier duty machines made with a larger tubular welded steel frame with integrated Water Table. The extra rigidity is great for handling the extremes of students and will stand the test of time with 24/7 commercial use. It's Closed loop Hybrid Servo control assures accuracy at the fastest speeds.

| | | |
|-----------------|------------------------|-------------|
| HSPB 48" x 24" | CNC Plasma 1220x609mm | \$28,999.00 |
| HSPB 48" x 48" | CNC Plasma 1220x1220mm | \$34,999.00 |
| HSPB 48" x 96" | CNC Plasma 1220x2438mm | \$37,999.00 |
| HSPB 60" x 120" | CNC Plasma 1524x3048mm | \$42,999.00 |

Key Points:

- *Watertable Included
- *Complete Turnkey package
- *All of the features of the Maker-Fab
- *Adv. Closed Loop Hybrid Servos for Fastest Reliable Cut
- *Heaviest Duty Welded Structural steel const. under \$50K
- *Most popular CTE model and commercial use
- *Single Source 3 year, on-site, parts & labor warranty

Comes standard - **Best option for most**

| | |
|--------------|---------|
| \$ 2,500.00 | upgrade |
| \$ 3,500.00 | upgrade |
| \$ 5,000.00 | upgrade |
| \$ 8,000.00 | upgrade |
| \$130,000.00 | Upgrade |

6" pipe Cutter SEE PIPE CUTTING PAGE

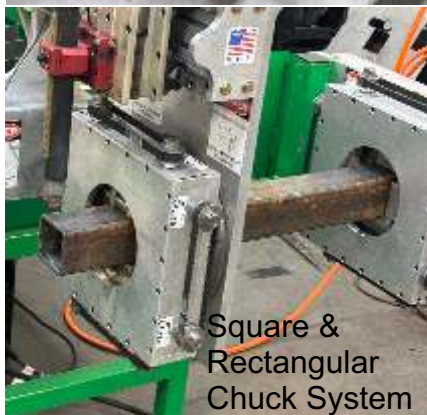
Dust Control Comp. Security Cabinet \$1,499.00

CNC Pipe Cutter Options for MakerFab or HS Plasma Cutters

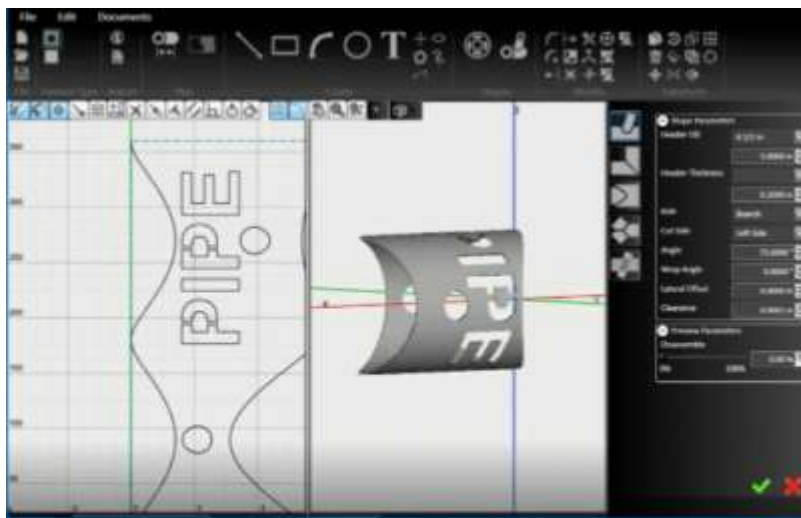
| | |
|---|-------------|
| 6" Round Pipe Capacity 6" (152mm) Diameter round pipe | \$29,000.00 |
| OR | |
| Round pipe up to 6" in diameter, 4" square, and rectangular | \$44,000.00 |
| Upgrade for 5th Axis computer controlled beveling | \$16,000.00 |

In addition to the correct Chuck system for the material this also includes:
manual bevel adjustment and slip detect head

Must be ordered with a 4x4 or larger MakerFab or HS Plasma. Not field upgradable.



Square &
Rectangular
Chuck System



Easily Draw Accurate Pipe Features in CAD

- Round pipe, square and rectangular tube support
- Pipe shape wizard makes perfect cuts for mating pipes of any diameter with a multitude of joints at any angle and any size including T joints, end caps, miter joints, Y joints and through pipes
- Pipe sizing wizard automatically sets OD, and thickness of standard pipe sizes
- 3D solid model of pipe joints includes disassembly to preview what both sides of the joint will look like
- The flattened view allows for easy design of custom patterns of any shape including slots and text
- "Ghost 2D views" show feature wrapping with no interruption
- Fully rotatable solid model view
- Easily import DXF and STL files from other CAD programs



Plaser Metal Cutting Plasma Cutter

Clean Room Fully Enclosed Plasma



Cut:
Steel
Aluminum
Copper
Brass

Fully Enclosed

Run in a Clean Room

**Cut Steel Faster than a WaterJet
with Lower Operational Cost**

240V operation requires compressed air - 9scfm @ 90 PSI

Closed-Loop Hybrid Servo Control System

Downdraft grid table and ports to exhaust fumes outside or to a filtration system

Automatic torch height

Automatic voltage detection, current set from computer

Includes fine marking, and standard cutting consumables

3 year on-site parts and labor warranty

| Model | Travel | Price |
|---|-------------|-------------|
| CRP2418 | 24" X 18" Y | \$39,999.00 |
| CRP3618 | 36" X 18" Y | \$49,999.00 |
| CRP48X18 | 48" X 18" Y | \$59,999.00 |
| CRP48X24 | 48" X 24" Y | \$69,999.00 |
| Optional in room filtration system | | \$10,999.00 |
| Optional ultra quiet dry air compressor | | \$ 8,999.00 |

Perfect for an Engineering Lab

Capabilities:

Near laser quality fine cutting up to 1/4" steel

Able to cut up to 7/8" steel

Low resolution metal marking

Economical ForestCNC TorchBot Plasma 24"X20"

for those on the most limited budgets and home use
120V or 240V 30A

Hypertherm Powermax 30 with Duramax Machine Torch

Turnkey package includes Control Computer, training Videos,
1 commercial or 40 educational seats of CAD/CAM, Hypertherm 30
with machine torch, Starter consumables, lifetime lube bearings.

*This is a simple - no frills package without a watertable,
Magnetic Break-away, or ATH*

\$9,999.00



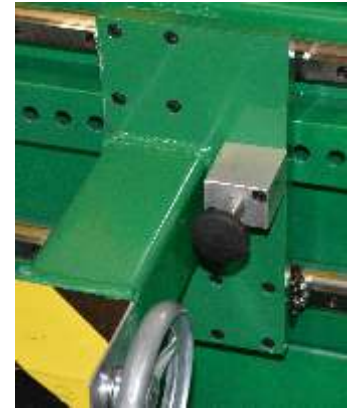
CNC WOOD LATHE



Ready to connect to
Central Dust Collection

WL4000

- * Cut up to a 40" X 10" Part
1016x254mm
- * Hardened Profiled Rails
- * Spindle #2MT int Taper
- * Tailstock #2MT int Taper
- * Ball Drive Screws
- * Anti Backlash Nuts
- * 1, 2, 3 or 5 HP Spindle Motor
- * Ready for dust collector
- * Compatible with CAD/CAM
- * Uses G&M Codes
- * 36 Month On-Site warranty



WL4000 Positive
Locking Tail Stock

Machines:

| | | |
|------------------------------|-------------------------------|--------------|
| WL4000 | Standard Stepper 120V 20A 1HP | \$ 26,999.00 |
| WL4000HY | Hybrid Servo 120V 20A 1HP | \$ 28,999.00 |
| WL4000PRO (faster & 5HP 3PH) | 220V 30A 3PH | \$ 37,999.00 |
| Replacement cutters | \$125.00 Each | |

Used machines \$\$ CALL

Precision CNC METAL LATHE

Precision 10"X30" Metal Lathe on Steel Stand

\$19,999.00

120V 20A 1 HP Spindle with 1" through bore

Swing over Cross slide 5" Max distance between centers 30"

AXA Wedge Type Quick Change Tool Post set included, installed, ready for use.

Conversational Programming included.

HEAVY DUTY CNC METAL LATHE



ML246

\$29,999.00

3 HP Spindle

Travels Z 24" X12" 609x305mm

Swing over Cross slide 6.3" 160mm

Powerful 1200 oz/in closed loop hybrid servo

Handheld MPG included

Quick change tool post included without turret

6 inch lathe chuck

Spindle speed 100-3,500 RPM

Spindle bore diameter 1.5" 38mm

Industry standard G-Codes

Conversational programming

Easy to see the machine work area

Lexan Shield

MADE IN USA

Precision CNC Knee Mill 158-728V-T

\$23,999.00



TurnKey Package with:

Stand **Vise** **Enclosure** **Hold Downs**
R8 Collet Set **Tooling set** **Control Computer**

Requires 120V 20A or 240V 10A

X travel 12" 305mm

Y Travel 6.6" 168mm

Z Travel 13" 330mm

Table Size 27.5" X 7.125" 622mm x 181mm

Size in full enclosure 48" X 33" X 77" High 650 lbs

1219mm x 838mm x 1956mm

1 HP Spindle Motor with R-8 Taper spindle

Options:

Quick Change tool kit with 4 tool holders \$4,999.00

1/4", 3/8", 3/8", 1/2"

Quick Change drill chuck for above kit

\$ 999.00

Quick Change Tapping Head package

\$1,500.00

4" - 4th Axis

\$4,999.00

Pneumatic cooler plastics & metals 16cfm@90PSI

\$ 999.00

Optional Liquid Mist Cooling system

\$1,399.00

Robotics integration interface

\$1,999.00

Precision CNC Bed Mill



**Enclosed
or
Open**



Materials:

Steel

Aluminum

Brass

Titanium

Wood

Plastics

Almost anything

Competitive Advantages

1. Arrives fully assembled
2. Will fit through 36" Door
3. Runs on G-Codes
4. Much faster than others
5. Significantly stronger spindle options
6. Table large enough for a vice and rotary axis

Rigid Fixed Gantry with moving bed available in the following sizes:

2'X20"-2.5 HP Spindle 610mm x 508mm \$25,995.00

2'X20"-6 HP Spindle 610mm x 508mm \$27,999.00

2'X20"-12 HP Spindle 610mm x 508mm \$29,999.00

2'X20"-6 HP ATC Spindle with 4 Position ATC 610mm x 508m \$39,999.00

Options:

6"-4th Rotary Axis \$ 4,999.00

Enclosure \$ 7,999.00

Optional accessory kit \$2,999.00 includes Collet Set
 Assortment of End Mills, 6" Vise, Hold Down Set

MITHEY SERIES

Machines for educational training, prototyping, design, and industrial production worldwide

MITHEY MILL

X - Travel 9" (23cm)
Y - Travel 5" (13cm)
Z - Travel 6.25" (15.88cm)
Table 2.75" X 13"
(7 X 33 cm)
110V 20A



For Aluminum, Brass,
Wax, Plastics

MMSV Stepper Standard Version \$ 11,999.00

Mitey Mill Options:

| | |
|-----------------|-------------|
| 4" Vise | \$ 495.00 |
| 4" 4th Axis | \$ 3,999.00 |
| 10K RPM Spindle | \$ 300.00 |

MITHEY LATHE

X - Travel 4.25" (10.8cm)
Center Distance 8" (20cm)
Swing over bed 3.5" (8cm)
Swing over carriage 1.88"
(4.78cm)
110V 20A



For Aluminum, Brass,
Machinable Wax, Plastics

MLSV Stepper Standard Version \$ 11,999.00

Mitey Lathe Options:

| | |
|---------------------------|------------|
| Deluxe QC tooling package | \$3,999.00 |
| Threading capability | \$1,499.00 |
| Knurling tooling | \$ 300.00 |

MITHEY WOOD LATHE

18"X 4" Capacity
(45 X 10 cm)
110V 20A



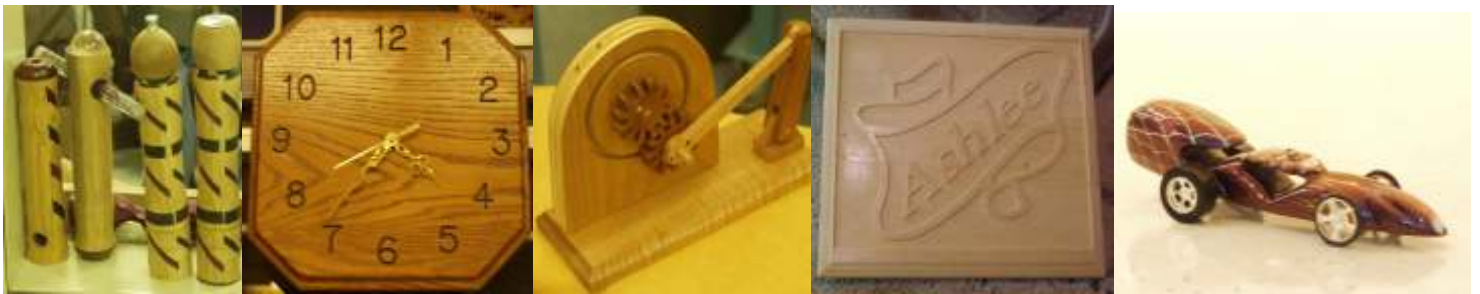
MWLS Stepper Version \$11,999.00

MITHEY ROUTER

Travels
18"X x 9"Y x 6.5"Z
(45X x 23Y x 16Z cm)
110V 20A
1-1/4 HP Spindle



| | |
|-----------------------|-------------|
| MRLS Stepper Version | \$11,999.00 |
| Upgrade to HF Spindle | \$ 2,100.00 |
| 4th Axis | \$ 3,999.00 |



ACCUJET Professional WaterJet

Precisely cut nearly any material even Stainless & Titanium



Turnkey System for Success



| Model | Travel | Estimated floor space | Price |
|--|--------------|-----------------------|--------------|
| ACCU48X24 Waterjet 15 | 50" X 26" Y | 12'X12' | \$139,000.00 |
| ACCU48X24 Waterjet 50 | 50" X 26" Y | 12'X12' | \$149,000.00 |
| ACCU48X48 Waterjet 50 | 50" X 50" Y | 12'X14' | \$159,000.00 |
| ACCU48X96 Waterjet 50 | 50" X 98" Y | 12'X18' | \$179,000.00 |
| ACCU60X120 Waterjet 50 | 60" X 120" Y | 12'X18' | \$189,000.00 |
| Optional Tilting head 4th Axis for angled cuts | | | \$ 5,000.00 |



FiberLaser Pro Metal Cutting/Engraving



Fully Enclosed with safety interlocks

| Model | Travel | 1.5KW Fiber Laser | 2KW |
|-------------------|-------------|-------------------|---------------------------|
| FiberLaserPro3616 | 36"X16"X3" | 920 mm x 460 mm | \$109,999.00 n/a |
| FiberLaserPro4824 | 48"X24"X9" | 1200 mm x 609 mm | \$119,999.00 \$129,999.00 |
| FiberLaserPro4848 | 48"X48"X9" | 1300 mm x 1300 mm | \$139,999.00 \$149,999.00 |
| FiberLaserPro9648 | 96"X48"X9" | 2400 mm x 1300 mm | \$159,999.00 \$169,999.00 |
| FiberLaserPro10X5 | 120"X60"X9" | 3054 mm x 1530 mm | \$189,999.00 \$199,999.00 |

Options:

| | |
|---|--------------|
| Optional in room filtration system | \$ 12,999.00 |
| Optional system to vent fumes outside if there is direct access | \$ 695.00 |
| Optional ultra quiet dry air compressor | \$ 10,999.00 |

2KW Continuous Duty Fiber Laser
 Cut up to 16mm or 5/8" steel
 Cut up to 6mm or 1/4" aluminum
 varied by shininess in a single pass

1.5KW Continuous Duty Fiber Laser
 Cut up to 12mm or 15/32" steel
 4mm or 5/32" aluminum
 varied by shininess in a single pass

Liquid cooling system for 24/7 commercial operation included

Depending on materials will use compressed air, O2, N2

Cut or vector engrave

Runs on industry standard G-Codes, not a proprietary language

Requires 220V Single Phase 50A

Cut:
Steel
Aluminum
Copper
Brass
Titanium

Fully Enclosed

2 year on-site parts and labor warranty on all ForestCNC Laser products

Note: 2KW is the largest with 220V 3KW and above require 480V 3Phase
3KW-20KW are available, Call 1-800-956-4056 to request a quote.

2KW 3 IN 1 Handheld Laser Welder / Laser Cleaner / Laser Cutter

Advantages of FiberLaser welding Turnkey Welding Package \$19,999.00



Relatively Short learning curve

More Efficient

Weld Steel or Aluminum

Designed for continuous use
1 year Warranty

FLW Spare Parts & Consumables
Package excludes wire \$1,500.00

Manufactured in China for Forest Scientific Corp
Warranty and support by ForestCNC in USA

Able to weld up to:
5mm Carbon Steel
4mm Stainless Steel
4mm Aluminum

5mm = .197" 4mm=.157"



220V single phase

Professional 100W Pulsed FiberLaser Handheld Laser Cleaning

Pulsed laser can be used on wood to strip the finish, rubber, and many other materials

Turnkey Cleaning Pulsed System \$18,999.00

FLPC Cleaner Spare Parts & Consumables Package \$1,500.00

Professional 2000W Continuous Handheld Laser Cleaning for Metals

Turnkey Cleaning System \$19,999.00

FLCC Cleaner Spare Parts & Consumables Package \$1,500.00

Designed for continuous use - 1 year Warranty

Cleaning width variable from 0-11.5" (0-300 mm)



Easily remove rust or paint

Remove rust from tools

Make old scrap metal usable



GET OLD MACHINES OUT OF THE JUNK PILE

We Service all brands

Stretch your budget

Unlike new equipment, upgrades usually do not come out of your own budget. Most upgrades are financed through other budgets including: district repair budgets; technology funds since we are changing the computer in the machine; or through special needs funds. Once these machines are upgraded, they may be much easier for students with disabilities to be successful. Upgrades often make it possible for the vocational-technical supervisor to tap into funds that otherwise would not be available. Equipment purchased under Perkins can often be repaired under Perkins. Also, it is often much easier to get school boards to approve repairs on existing equipment than purchasing new equipment. Depending on the machine, most upgrades range from 1/2 to 1/20th of the replacement cost of a machine and will usually allow it to operate better than new.

CNC Upgrade Price: Includes everything needed - software, electronics, install, 18 month warranty, and training. TurnKey package includes computer and CAD/CAM

Upgrade Older Forest Scientific Velocity based Controls

\$5,995.00

Upgrade Older Forest Scientific Centroid based controls

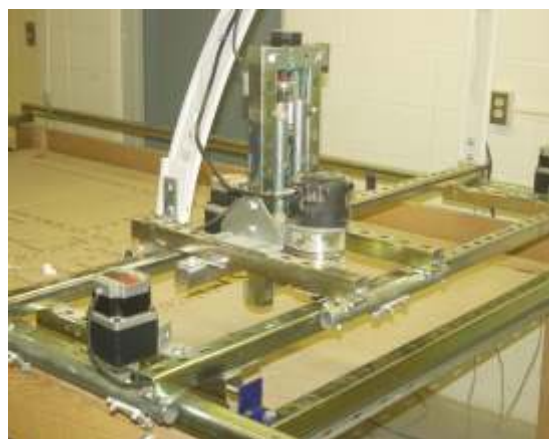
Call for quote



Light Machines
CNC Router
VC-LMCR
Upgrade \$7,999.00



Light Machines
Spectralight Mill
or Spectralight Lathe
Upgrade \$6,999.00



All Shopbot Routers
VC-SHOPB Upgrade \$7,999.00
OR
VC-SHOPBCL \$9,999.00 for Closed loop version



Light Machines
Pro Light Lathe or Mill
VC-PL
Upgrade \$7,999.00
ProLight with ATC \$9,999.00



All Techno Routers
Gantry style & Davince
Under 2'X2'
VC-Techno
Upgrade \$6,999.00
Servo \$8,999.00

IF YOU DO NOT SEE IT HERE CALL

| | |
|-------------------------|-------------|
| EZROUTER Routers | \$9,999.00 |
| Techno LC Servo Routers | \$9,999.00 |
| Techno Routers with ATC | \$13,999.00 |

| | |
|---|-------------|
| Plasma cutter upgrades, Techno, TORCHMATE, EZROUTER | \$11,999.00 |
|---|-------------|

| | |
|--------------------------------|-------------|
| XYZ Millenium Routers | \$7,999.00 |
| XYZ 4x4 & 4x8 Routers w/o ATC | \$9,999.00 |
| XYZ 4x4 & 4x8 Routers with ATC | \$13,999.00 |

PlasmaCam we recommend trade up to our Fabbot series or better plasma call for special offer.

Notebook CAD/CAM/CNC workstation \$ 1,999.00

For a fraction of replacement cost, update old DOS machines to Windows



All Phoenix/ Magnum/
Paxton Wood Lathes
VC-PMPPL
Upgrade \$7,499.00



All Phoenix/ Magnum/
Paxton Routers VC-PMPPR
Upgrade \$7,999.00
Vac pump \$2,999.00



All Paxton Lathes VC-PPL
Upgrade \$6,999.00

All Paxton Mills VC-PPM
Upgrade \$6,999.00



D&M 3 or 4 & Lab Volt 5400 Mills
VC-DMM34 Upgrade \$6,999.00

D&M 3, 4, or Lab Volt 5300 Lathe
VC-DML34 Upgrade \$6,999.00



D&M 5 or Lab Volt 5500
VC-DML5
Upgrade \$6,999.00



D&M 5, 6 or Lab Volt 5600
VC-DMM5
Upgrade \$7,999.00



All Emco Compact 5 Lathes
VC-CP5L
Upgrade \$7,999.00



Emco Compact 5 Lathes
If it has a Tool Turret
Add VC-CPTT \$499.00



ALL Emco F1 Mills
VC-EF1M
Upgrade \$7,999.00



All Denford
Desktop Routers
VC-DFMR
Upgrade \$6,999.00



All Denford MicroMills,
Scantek, LabVolt, B&G,
& Midwest
VC-DFMM
Upgrade \$6,999.00

All Denford MicroLathes,
Scantek, LabVolt, B&G,
& Midwest
VC-DFML
Upgrade \$6,999.00

Co2 Laser Engraver / Cutters



CO2 lasers are best quality and speed for cutting woods, plastics, leather, fabrics and can engrave glass, anodized metals

Call 1-800-956-4056 for our complete laser catalog

100% Made in USA with aluminum tubes for long dependable life

Laser Service



If you have a laser that you do not know how to use or needs service, we may be able to assist.

Call 1-800-956-4056 for a custom quote depending on what needs done and your location.

ALL LASERS REQUIRE FUME EXHAUST

Recommended Portable blower exhaust kit for all systems \$ 695.00

Optional In-Room Filtration Systems (for when you can't vent outside)

Mobile base fume extraction carts for desktop Lasers \$5,999.00

For Free standing lasers 24" x12" and larger \$9,999.00

BenchTop Series Router Models

Heavy Duty Desktop. Great for tight budgets, limited space, when your shop is upstairs, or getting through narrow doorways

Work Area

BT 24"X 24" 3-1/2 air cooled spindle \$ 9,999.00

BT 36"X 24" 3-1/2 air cooled spindle \$10,999.00

BT 48" x 24" 3-1/2 air cooled spindle \$11,999.00

BT 60" x 24" 3-1/2 air cooled spindle \$12,999.00

Optional Upgrade to 1.5 HP ATC Spindle with 6 position ATC add \$10,999.00

Optional stand for any above \$2,900.00

Optional 4th Axis with 6" capacity and tailstock \$3,999.00

Optional wireless Jog pendant \$ 599.00

Optional Dust collection system \$1,999.00



110V countries 3-1/2HP

240V countries 2-1/2HP

CAD/CAM SOFTWARE OPTIONS

Note: Software purchased through Forest Scientific Corporation or an authorized dealer of Forest Scientific Corporation will have Free installation and support assistance. If software is purchased directly from the Vendor or online, we will offer support at a fee. Realize, the software from another vendor will need customization and configuration to work properly.

CAD/CAM for CNC Routers & Mills

40 educational seats in a single lab
or 1 Commercial Seat

Full CAD/CAM Products

Cut2D Pro \$ 599.00 VCarve Pro \$ 799.00 Aspire 3D \$2,199.00 includes setup and curriculum

Upgrade Cut2D to VCARVE \$ 599.00

Upgrade Cut2D to Aspire \$1,899.00

Upgrade VCarve to Aspire \$1,699.00

CorelDraw

For Lasers

CorelDraw Educational Single seat \$180.00 Each CorelDraw Commercial Single seat \$599.00 Each

Corel Draw 50 Educational Seats License \$7,999.00

Cabinet Master Cabinet Making CAD/CAM for CNC Routers

Commercial Educational

CabinetMaster Educational Package 5 pack

\$6,495.00

Includes 1 CabinetMaster Machining Premium License + 1 Ibex CNC Software

4 CabinetMaster Designer CL+MachineView (Commercial Price for this Package \$48,000.00)

CabinetMaster Educational Package 10 pack

\$9,495.00

Includes 1 CabinetMaster Machining Premium License + 1 Ibex CNC Software

9 CabinetMaster Designer CL+MachineView

CabinetMaster Educational Package 20 pack

\$12,495.00

Includes 1 CabinetMaster Machining Premium License + 1 Ibex CNC Software

19 CabinetMaster Designer CL+MachineView

CabinetMaster Educational Package 50 pack

\$24,495.00

Includes 1 CabinetMaster Machining Premium License + 1 Ibex CNC Software

49 CabinetMaster Designer CL+MachineView

Have you ever wondered why the
name Forest Scientific?

Forest Scientific Corp was founded and
is headquartered in Tionesta, Forest
County, Pennsylvania. Our county
name is the origin of our corporate name.
visit <http://www.forestcounty.com>

The picture to the right is our
67,000 square foot factory located on
the north edge of Tionesta along the
Allegheny river. We are 3 hours from
Pittsburgh, Cleveland, and Buffalo.



SPOTLIGHT PITTSBURGH BUSINESS LEADERS

Precision Performance

A standout in the computer numerical control industry, Forest Scientific Corporation improves mechanical operations by providing clients with advanced machinery and skilled machinists.

In 1989, the remote town of Tionesta in Forest County, Pennsylvania, seemed an unlikely place to grow into a 67,000 square foot high-tech factory. Today, this small community of fewer than 500 people is home to Forest Scientific Corporation. Owned and founded by current President John Martincic, the company manufactures and distributes computer numerical control (CNC) routers, plasma cutters, mills and lathes, laser engraver cutters, and waterjet cutters across the United States and worldwide.

Over the years, Forest Scientific Corp has had consistent annual growth, but recently doubled in size between 2019 and 2022. While other manufacturers struggled to survive during the COVID-19 pandemic, Martincic actively sought funding from the Small Business Administration (SBA) to create his state-of-the-art factory and meet the growing demand for advanced CNC machines with superior performance and lasting value.

"We have succeeded by creating machines with unparalleled ease of use, accuracy, precision, speed, and flexibility. There's nothing comparable in the market," says Martincic, the 2022 SBA Pennsylvania Small Business Person of the Year awardee.

Unlike the competition, Forest Scientific Corp uses industry standard G- and M-codes



for each of its CNC machines, not a proprietary language. Standard codes are more commonly understood and can be modified by users themselves to meet specific needs. They can also work with a customer's existing standard computer-aided manufacturing equipment with little to no adaptation.

The Ultimate Value Proposition

Forest Scientific Corp ensures reliability for customers with nearly 24/7 tech support and a three year sole source on-site parts and labor warranty for all new machines—the only warranty of its kind in the industry.

Industry leading service begins at delivery when Forest Scientific Corp's team arrives to fully train users. "Our goal is for our clients to be successful on day one," says Martincic. "It's possible to learn how to make parts within minutes. Our clients at NASA told us they were able to make a piece in one day that typically took six months."

Clients also benefit from cost savings through reduced downtime, fewer errors, and less waste. By partnering with Forest Scientific Corp, clients get highly precise machining tools that produce parts at extremely low variances. "The waterjet machine, for example, reduced manufacturing time from three weeks to just 40 minutes, with \$2,000 worth of savings in material costs.

Importantly, all the machines are made in the USA, eliminating unnecessary delays caused by international shipping.

Milling With a Mission

"We are particularly proud of the impact we are making on young people," says Martincic. "Graduates who trained on our equipment during their technical programs are highly sought after, while middle and high school students get their first taste of the creative possibilities of CNC. We've seen the lives of previously unmotivated students as well as those with learning disabilities change dramatically. They can compete for rewarding jobs with the experience they gain."

Easy to operate, Forest Scientific Corp's CNC machines provide schools and organizations with a novel way to fund their efforts through contract work or completing projects without having to hire outside professionals.

"The benefits to schools and philanthropic groups are what inspires me the most," says Martincic. "It drives me to personally share the possibilities of entrepreneurship."



Adam Savage (left) with John Martincic (right), President and Founder. ForestCNC machines were featured on MythBusters to make props for the show and bust myths.





Shaping the Future of CNC Manufacturing

By Martin Thomas

Inside its 67,000-square-foot manufacturing facility in Pennsylvania, Forest Scientific is engineering powerful CNC machines that allow customers to turn their vision into reality and gain a competitive advantage in production.

Like a Swiss Army knife, Forest Scientific's solutions are highly adaptable and intuitive enough to address the needs of both cutting-edge production centers and individual users. Whether for building a satellite or tackling a first-ever woodturning project, its CNC machines meet users where they are and take them where they want to go.

"We have developed solutions that are powerful enough for aerospace, and at the same time, intuitive enough for a first-grade classroom," says John Martincic, president.

Martincic is a strong proponent of developing the next generation of skilled students who understand the ins and outs of manufacturing. Aligning with the

same idea, Forest Scientific's tools don't equip customers with new technology; they become an inspiration, giving students real-world experience they'll carry into their careers. An ordinary CNC provider focuses on the sale, but Forest Scientific invests in skill, knowledge and the next generation of entrepreneurs.

Innovative Solutions Designed to Address Varied Requirements

Forest Scientific plays to the needs of an array of clients, from K-12 schools to universities and from small manufacturers to Fortune 500 companies. It is home to a suite of advanced CNC solutions, including routers, plasma cutters and fiber and CO2 lasers, which can be deployed in classrooms, workshops, clean rooms and high-tech manufacturing facilities. Featuring high-speed cutting



capabilities and unparalleled precision, these products optimize productivity and minimize waste.

One of the top choices for clients is its proprietary multi-beam systems of CO2 lasers that can process complex materials like carbon fiber. While this task may not be possible for other manufacturers, Forest Scientific's partnerships with suppliers, distribution and end-user training empower its clients to do it with ease. Equipped with cutting-edge technologies, the CNC mills and lathes are also a versatile option for businesses looking to precisely machine components across a variety of materials and applications.

An Exemplification of Unmatched Customer Support

Forest Scientific's dominance in this space is attributed largely to the caliber of support it offers.

After purchasing advanced manufacturing equipment, many companies encounter a steep learning curve to operationalization due to the lack of adequate support. Forest Scientific eliminates this challenge through hands-on, on-site training that begins on day one. Machinery is geared up for use within hours of installation. No more getting lost in manuals or frustrating setbacks as customers receive training from the get-go. Round-the-clock support from experts keeps the equipment functional and minimizes disruptions.

The team conducts in-depth conversations with the client before every project. Critical requirements like materials, equipment size and production goals are determined. Every

factor is considered in advance of customizing the machinery, including door widths and elevator capacity, to ensure access to a customer's facility. Forest Scientific also has off-the-shelf products, which allows for modifications and configurations to better suit specific needs.



We have developed solutions that are powerful enough for aerospace, and at the same time, intuitive enough for a first-grade classroom

Before delivering the product, the team covers all the bases to balance capability and cost. It offers honest insights on what is achievable and how to strategize the investment to make the most impact.

Whether on-site or over the phone, its client support operates like a well-oiled machine, keeping production in motion and ensuring no one is left waiting at the starting line.

"When clients partner with us, they're never left on tenterhooks," says Martincic. "We are just a phone call away

from resolving their questions and concerns, bypassing long waits, endless queues or delayed emails.”

Making a Mark with Professional Manufacturing Expertise

Forest Scientific gives equal importance to product performance and quality programs, which strictly adhere to Fanuc G and M codes. Every product—routers, plasma cutters or water jet cutters—is designed to be user-friendly and can efficiently handle specialty materials. This minimizes the need for post-installation services, increases operational efficiency and makes them less susceptible to breakdowns.

A skilled team of engineers and technicians handles everything from custom commercial projects to educational tools, each tailored to distinct needs. The majority of team members have long-term practical knowledge of operating machinery, contributing to their ability to adapt, innovate and overcome challenges. This advantage helps shorten the design cycle and accelerate prototyping, allowing clients to actualize their vision faster than expected. Bespoke solutions blend simplicity with accessibility, all without compromising product capabilities.



Whether clients require a machine for a laboratory-type environment or a high-end research center, Forest Scientific always delivers. Through challenge-inspired innovations and customer feedback, it produces a steady stream of new products that meet varying budgets and capabilities.

These distinct capabilities have earned it numerous accolades over the years, including Small Business of the Year for Pennsylvania and the Western Region. It is also an SBA HUBZone business and holds an A+ rating from the Better Business Bureau.

Leaving Behind a Legacy of Inspiration

Forest Scientific takes pride in helping pass the tools of trade on to the next generation. A notable example is its 30-year partnership with St. Cloud State University. Initially, its machines were used only in the school's classrooms. It has since expanded to include an outreach program called America's Cutting Edge, led



by the university's dean, Kurt Helgeson, and funded by the U.S. Department of Defense.


The program takes Forest Scientific's machines on the road to bring state-of-the-art manufacturing education to schools across Minnesota. They can borrow the equipment and integrate it into their curriculum.

In one instance, Forest Scientific helped a high school in Kansas equip its students with a hands-on manufacturing experience while creating economic value for the school and community. After analyzing the requirements, the company installed a four-by-four CNC machine, which proved to be a game changer.

The machine boosted the students' ability to move beyond basic projects to redesign and rebuild the high school's auditorium. They produced custom flooring and intricate woodworking, saving significant money. Recognizing the project's potential, the high school went back to Forest Scientific to buy a heavy-duty commercial CNC router. The students began producing cabinets for kitchens, bathrooms and laundry rooms for homes in their community.

On average, the students' work generates \$100,000 annually, funding the program and covering expenses for their woodworking competitions. Thanks to Forest Scientific's support, they graduate with practical, in-demand skills and are sought after by employers across the U.S.

Under the leadership of Martincic, Forest Scientific continues to energize entrepreneurship among the students, prompting them to materialize the potential of manufacturing within their areas. It is exploring the possibilities of innovating the market's most demanded products, such as laser and plasma cutters, to help newcomers stay ahead of the competition.

Backed by its ability to maintain long-term relationships with clients and ensure their investments lead to real-world impact, Forest Scientific is fast becoming a customer favorite. With its commitment to education and growth, it continues to reshape precision manufacturing in classrooms and cutting-edge industries. 

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