

# AG Science



# CATT

Career and Technical Training, LLC

## Experience the Power of Agriculture Science.



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## How to Contact Us:

### Call Us:

(970) 686-0379

Customer Service is available Monday through Friday from 8:00 AM to 5:00 PM MT. Our office is available to you from the initial planning stage through support, upgrading, and for anything in between.

### Send Your Request:

[jslupe@catt-llc.com](mailto:jslupe@catt-llc.com)

This email address can be used to contact our sales team to request quotes, shipping, order processing instructions, and purchase order information.

### Visit Our Website:

[www.catt-llc.com](http://www.catt-llc.com)

Our website is continually updated to serve your needs better and make product information easier to find. You'll find product specifications, images, and much more.

Call Us Direct We Will  
Help You Locate Your  
Local Dealer

## About Us...

● We market to a diverse customer base, offering storage and workplace solutions for industry, education, government, and healthcare. With over 5,000 furniture and training equipment-related products, we provide solutions that other companies cannot. From welding and cosmetology labs to modular storage cabinets and automotive workstations, we have the products to meet your requirements.

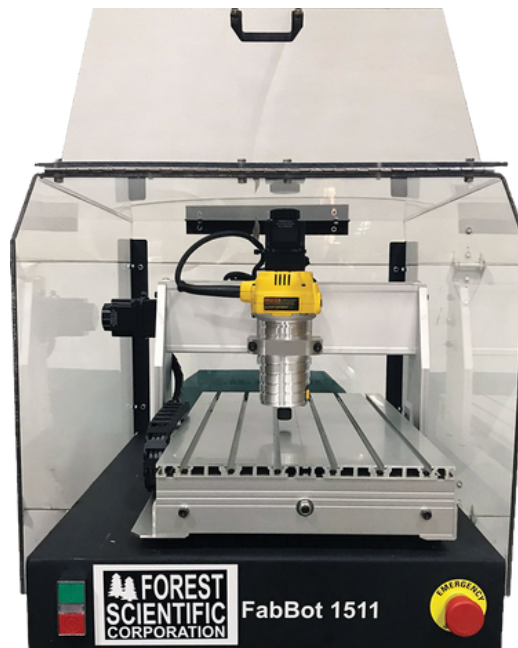
● Our company has been family-owned and operated for over 20 years, and we have a dedicated team of industry professionals. Our commitment to our customers through service and product quality symbolizes pride throughout our organization.

● Military training facilities, public educational schools, technical/vocational training centers, and leading auto engine manufacturing plants are all examples of where CATT products are relied upon nationwide.





CNC routers are revolutionizing agricultural science by enabling the precise and efficient fabrication of a wide range of components. From creating custom-fit parts for farm machinery and irrigation systems to crafting molds for producing specialized tools and equipment, CNC routers offer unparalleled accuracy and repeatability. This technology allows for rapid prototyping and the creation of complex designs, facilitating innovation in agricultural technology and contributing to increased efficiency, reduced waste, and improved sustainability in modern farming practices.



*shown with optional accessories*

## FabBot Desktop Series CNC Router Models

Created for home shops and schools on a limited budget, these machines come with a 3-year limited warranty, personalized online training, and unlimited phone and online tech support. These models include an aluminum T-slot table, hold-downs, 1-1/4HP router, wrenches, CAD/CAM software, and a starter set of bits. Operates on 110V 15A.

### Key Points:

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

**FabBot 24" x 18" x 6" | 609 x 457 x 76mm**

– Call for Pricing

Optional Enclosure w/Stand for 24" x 18"

Optional Removable Vac Table Sys 2418

**FabBot 24" x 24" x 6" | 609 x 609 x 76mm**

– Call for Pricing

Optional Enclosure w/Stand For 24" x 24"

Optional Removable Vac Table Sys 2424

**FabBot 36" x 24" x 6" | 914 x 609 x 76mm**

– Call for Pricing

Optional Enclosure w/Stand For 36" x 24"

Optional Removable Vac Table Sys 3624





*shown with optional accessories*

## FabBot Desktop ATC CNC Router

The FabBot ATC CNC Router comes fully assembled with a 1.5HP high-frequency ATC spindle and 6 pos ATC. Its heavy-duty construction includes THK linear rails and bearings. Popular features include 3D 3-axis continuous contouring, on-screen simulation, compatibility with most CAD/CAM systems, and industry-standard G-codes.

### APPLICATIONS

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

### Options:

6" Rotary 4th Axis	– Call for Pricing
Vacuum Table With Vacuum Pump	– Call for Pricing
Digital Reverse engineering probe	– Call for Pricing
Wireless Handheld MPG Jog pendant	– Call for Pricing
Quiet Air Compressor	– Call for Pricing
Dust Collection System	– Call for Pricing
Custom sizes and spindles	– Call for Pricing

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**FabBot ATC 38" x 24" x 6" Turnkey with Standard Enclosure Computer** – Call for Pricing

## Most Popular Models in Schools and Smaller Shops!



*shown with optional accessories*

## Titan Series Router Models

The Titan Routers are cost-effective, heavy-duty machines made of structural aluminum (Al). These models include a standard table, 3-1/2HP router, wrenches, an aluminum frame, dust hood, and a starter set of bits. They operate on 110V 20A. 8.5" Z Travel. This is a great model for locations requiring special handling since they are lighter-weight than steel. The floor space is about 2' larger than the work area.

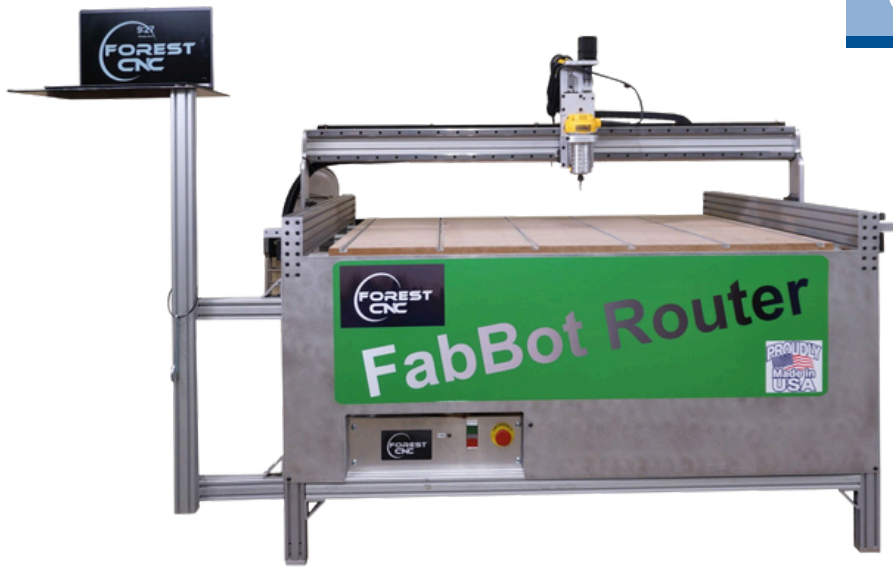
### Key Points:

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

### Options:

<b>TitanR 24" x 20" CNC Router 609 x 508mm</b>	<i>– Call for Pricing</i>
<b>TitanR 48" x 20" CNC Router 1220 x 508mm</b>	<i>– Call for Pricing</i>
<b>TitanR 48" x 48" CNC Router 1220 x 1220mm</b>	<i>– Call for Pricing</i>
<b>TitanR 48" x 96" CNC Router 1220 x 2438mm</b>	<i>– Call for Pricing</i>
<b>TitanR 60" x 120" CNC Router 1524 x 3048mm</b>	<i>– Call for Pricing</i>

**(ALL x20" Models fit through standard 36" door)**



*shown with optional accessories*

**Most Popular Models in  
Schools and Smaller Shops!**

## **FabBot Platform Series Router Models**

Each of the fully assembled CNC Routers below includes a 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.

### **Key Points:**

- Entry-level economy system
- Can make anything that the higher end can make
- Easiest model to get upstairs due to lighter weight with structural aluminum
- Complete Turnkey package
- Best in its comparable price class
- Most popular for those on a lean budget
- Single Source 3-year, on-site, parts & labor warranty

### **Options:**

FabBotR 48" x 20" CNC Router – *Call for Pricing*  
FabBotR 48" x 48" CNC Router – *Call for Pricing*  
FabBotR 48" x 96" CNC Router – *Call for Pricing*  
(All x 20" models fit standard 36" door)

**(ALL x20" Models fit through standard 36" door)**





*shown with optional accessories*

## MakerFab Series Router Models

The MakerFab Series Router models include a standard MDF table, 3-1/2HP router, wrenches, a welded steel stand, dust hood, and a starter set of bits that can operate on 110V 20A. 8.5" Z Travel. The floor space is about 2' larger than the work area.

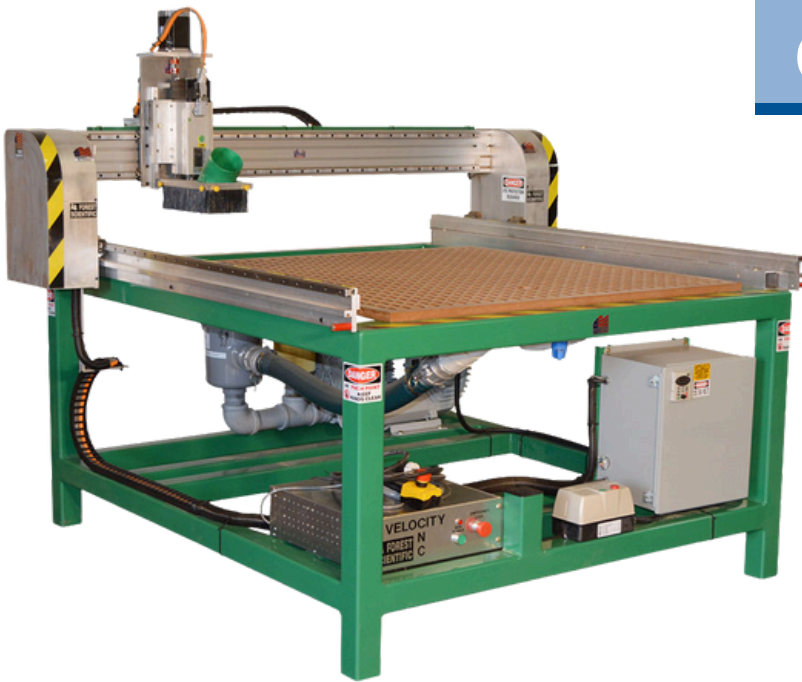
### Key Points:

- Can make anything that the higher end can make
- Heavy-duty welded structural steel construction
- Complete Turnkey package
- Best in its comparable price class
- Most popular series high school intro 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

### Options:

- RMF 24" x 20" CNC Router
- RMF 48" x 20" CNC Router
- RMF 48" x 48" CNC Router
- RMF 48" x 96" CNC Router
- RMF 60" x 120" CNC Router

**Contact us for pricing!**



*shown with optional accessories*

## HS CNC ROUTER HS48X48

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

### Key Points:

- Complete Turnkey package
- All of the features of the MakerFab
- 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 & warranty

### Options:

- HSR 24" x 24" CNC Router 609 x 609mm
- HSR 48" x 24" CNC Router 1220 x 609mm
- HSR 48" x 48" CNC Router 1220 x 1220mm
- HSR 48" x 96" CNC Router 1220 x 2438mm
- HSR 60" x 120" CNC Router 1524 x 3048mm

**Contact us for pricing!**



## GUITAR MAKING CNC ROUTER

The LuthierMax Series of CNC routers was designed for guitar making in collaboration with engineers from Fender® Guitars (who are using this model) to make this machine student friendly and robust with fixtures built into the table to make it easy to make your own guitar necks and bodies for both standard size and longer base guitars in your classroom. This is the largest fully assembled CNC router that fits through a standard 36" classroom door.

### Options:

LuthierMax CNC Router 110V,20A  
LuthierMax CNC Router Hy Servo  
LuthierMax PRO with ATC CNC Router



*shown with optional accessories*

## BENCH TOP SERIES CNC ROUTER

Heavy-duty bench top. Great for lean budgets, limited space, when your shop is upstairs, or getting through narrow doorways

### Options:

BT 24" x 24" 3-1/2 air-cooled spindle  
BT 36" x 24" 3-1/2 air-cooled spindle  
BT 48" x 24" 3-1/2 air-cooled spindle  
BT 60" x 24" 3-1/2 air-cooled spindle

**Contact us for pricing!**





*shown with optional accessories*

## The Michelangelo 3D Modeler

Innovative CNC router designed for classroom use: tech-ed, drafting, woodworking, art, and includes a vacuum table system and dust collection system with a maximum fully enclosed size able to fit through a 36" door.

### Options:

Michelangelo Stepper Version

Michelangelo Hybrid Servo Version



*With Plasma Configuration*

## CONVERT-A-TABLE CNC ROUTER / PLASMA MODELS

This machine easily converts 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 two and these machines can not have a vacuum table system due to the conversion between router and plasma.

### Options:

CAT 48" x 20"

CAT 48" x 48"

CAT 48" x 96"



*With Router configuration*

**Contact us for pricing!**



## MakerFab Series Plasma Models

Forest Scientific's Maker Fab Series are durable CNC plasma cutters ideal for education and fabrication. They feature a water table for safety and cooling, offer various sizes, and often include automatic torch height control. Designed for cost-effectiveness and ease of use, they are a robust solution for learning and making.

### Options:

PMF 24" x 20"  
PMF 48" x 20"  
PMF 48" x 48"  
PMF 48" x 96"  
PMF 60" x 120"



*shown with optional accessories*

## CRP Clean Room Metal Torch

The Forest Scientific CRP Clean Room Metal Torch is a fully enclosed CNC plasma cutting system designed for clean rooms and engineering labs. It can cut steel (up to 5/8" with fine cutting up to 1/4"), aluminum, copper, and brass, operating on 110V or 240V with compressed air. Features include a closed-loop servo control, downdraft table for fume exhaust, automatic torch height, and the ability to do fine marking. Optional features include in-room filtration and a quiet air compressor, making it a cost-effective alternative to lasers for precise metal cutting in controlled environments.

### Options:

CRP2418 24" x 18"  
CRP3618 36" x 18"  
CRP48x28 48" x 24"

**Contact us for pricing!**



*shown with optional accessories*

## CNC WaterJets

The Forest CNC AccuJet is a CNC waterjet cutting machine known for its precision and versatility in cutting a wide-range of materials like metal, plastic, composites, and stone. It utilizes a high-pressure jet of water, often mixed with abrasive particles, to create intricate cuts. AccuJet systems are designed for accuracy, ease of use, and durability, making them suitable for educational, prototyping, and light industrial applications. They often feature user-friendly software and robust construction, offering a cost-effective solution for precise material processing without the heat-affected zones associated with thermal cutting methods.

### Options:

ACCU48X24 Waterjet 50  
ACCU48X48 Waterjet 50  
ACCU48X96 Waterjet 50  
ACCU60X120 Waterjet 50



**Contact us for pricing!**





# CATT

Metalworking is fundamental to agricultural science, providing the tools, machinery, and infrastructure that modern farming relies on. From tractors and harvesters to irrigation systems and farm buildings, metal's strength and durability enable efficient food production. Metalworking skills also empower farmers to make on-site repairs and customize equipment, while advancements in metalworking drive innovation in agricultural technology, leading to increased efficiency and sustainability in farming practices.



**Saws**



**Grinding**



**Air Filtration**



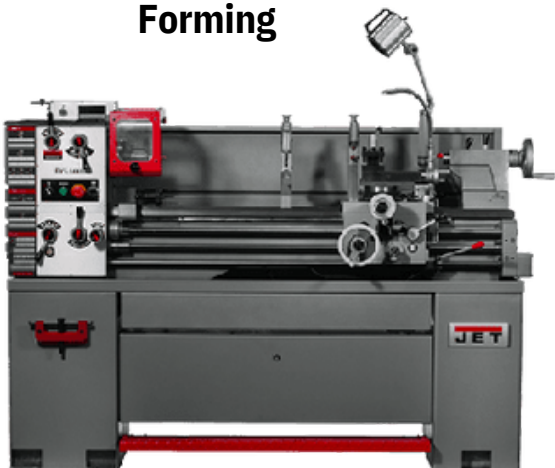
**Forming**



**Milling**



**Drilling**



**Turning**

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**Contact us for details  
and pricing!**

# Metal Working Equipment



**Ironworkers & Punches**



**Tube & Pipe Benders**



**Grinders, Beveling & Deburring Machines**



**Press Brakes**



**Notchers**

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**Contact us for details  
and pricing!**





# CATT

Woodworking is crucial in ag science because it equips students with practical skills for constructing and repairing farm structures like barns and fences, maintaining equipment with wooden components, and fostering problem-solving abilities vital in agriculture. Hands-on woodworking projects enhance learning about other agricultural concepts, while understanding traditional techniques provides insight into farming's history. Ultimately, woodworking empowers students with valuable skills applicable to various aspects of the agricultural industry.

# Wood Working Equipment



**Mortisers**



**Sanders**



**Lathes**



**Dust Collectors**



**Drill Press**



**Jointers**



**Saws**

**Contact us for details  
and pricing!**



**Air Filtration**



**Benchtop Woodworking Machines**



**Power Feeders**



**Planers**

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**Contact us for details  
and pricing!**



**PROFESSIONAL CABINET SAW | PCS™**



**JOBSITE SAW PRO | JSS™**



**CONTRACTOR SAW | CNS™**



**INDUSTRIAL CABINET SAW | ICS™**



**COMPACT TABLE  
SAW  
CTS™**

**Contact us for details  
and pricing!**





Plasma cutters play a vital role in agricultural science by enabling precise fabrication, repair, and modification of farm equipment, irrigation systems, and livestock enclosures. They help farmers and engineers create custom metal parts, repair machinery, and construct durable structures like gates and barns. In precision agriculture, plasma cutting is used to develop mounting brackets for sensors, GPS systems, and automated machinery. Additionally, they are valuable in agricultural education and research, teaching students metalworking skills and supporting innovations in innovative farming technology. Plasma cutters improve efficiency, reduce costs, and enhance agricultural engineering.

# Plasma Cutters



**MakerFab CNC Plasma**

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

**Options:**

PMF 24" x 20" CNC Plasma  
PMF 48" x 20" CNC Plasma  
PMF 48" x 48" CNC Plasma  
PMF 48" x 96" CNC Plasma  
PMF 60" x 120" CNC Plasma



**HS Series CNC Plasma**

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

**Options:**

HSPB 48" x 24" CNC Plasma  
HSPB 48" x 48" CNC Plasma  
HSPB 48" x 96" CNC Plasma  
HSPB 60" x 120" CNC Plasma

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**Contact us for pricing!**



## FabBot CNC Plasma

Each CNC Plasma cutter below includes a control computer, CAD/CAM software, ATH, Hypertherm 45Sync Plasma system, and training tutorials. 110V 20A machine 240V 50A plasma cutter.

The floor space is about 2' larger than the work area.

### Options:

- FabBot 48" x 20" CNC Plasma
- FabBot 48" x 48" CNC Plasma
- FabBot 60" x 60" CNC Plasma
- FabBot 48" x 96" CNC Plasma
- FabBot 60" x 120" CNC Plasma

## Titan CNC Plasma

The Titan Plasma cutters are cost-effective, heavy-duty machines made of structural aluminum. They come standard with a water table. This model is great for upstairs and other installations requiring special handling since it is lighter than steel.

The floor space is about 2' larger than the work area.

### Options:

- TitanP 24" x 20" CNC Plasma
- TitanP 48" x 20" CNC Plasma
- TitanP 48" x 48" CNC Plasma
- TitanP 48" x 96" CNC Plasma
- TitanP 60" x 120" CNC Plasma

**Contact us for pricing!**



## CNC Pipe Cutter Plasma Cutter

The HS-Series Routers are heavier-duty machines made with a 3" tubular welded steel frame. The extra rigidity is excellent for handling the abuse of students and will stand the test of time with 24/7 commercial use. Its Closed Hybrid Servo control ensures accuracy at the fastest speeds. Includes a control computer, CAD/CAM software, tooling set, MDF table with Aluminum T-slots, clamping system, 3-1/2 HP Router, wrenches, operates on 110V 20A.

### Key Points:

- Cutting Accuracy and Quality
- CNC Control System
- Plasma Torch and Power Supply
- Pipe Rotation and Feeding System
- Safety Features
- Productivity and Efficiency
- Maintenance and Service
- Manufacturer Reputation and Experience

### Options:

- PMFP 48" x 48" 1220 x 1220mm
- PMFP 48" x 96" 1220 x 2438mm
- PMFP 60" x 120" 1524 x 3048mm
- Capacity 6" (152mm) Diameter round pipe

**Contact us for pricing!**





# CATT

CATT offers a specialized line of greenhouse, agricultural classroom, and commercial grow furniture designed to support hands-on learning and cultivation in agricultural science. Their durable, weather-resistant benches, workstations, and storage solutions are crafted to meet horticulture and agriculture programs and facilities' unique needs.



**STORAGE CABINETS**



**MODULAR STORAGE CABINETS**



**MOBILE WORKSTATIONS**



**WELDING BOOTHS & EQUIPMENT**

**Contact us for details  
and pricing!**



**GREENHOUSE TABLES**



**WORKBENCHES & WORKSTATIONS**



**STORAGE SHELVING SYSTEMS**



**MATERIAL HANDLING RACKS**

**Contact us for details  
and pricing!**



# CATT

Lathes are crucial in agricultural science because they can create and modify precision parts for machinery like tractors and harvesters, ensuring efficient operation. They enable customization and repair of tools, saving farmers time and money. Lathes also play a role in research and development by facilitating the creation of specialized equipment, and they are used in education to teach students about machinery maintenance. Historically, lathes have been essential in developing agricultural technology, contributing to increased productivity in farming.





## HEAVY DUTY CNC METAL LATHE

- 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" lathe chuck
- Spindle speed 100-3,500 RPM
- Spindle diameter 1.5" 38mm
- Industry standard G-Codes
- Conversational programming
- Easy to see the machine's work area
- Lexan Shield
- MADE IN USA



## WL 4000 WOOD LATHE

- 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
- 3-Year On-Site warranty

### Options:

WL4000 Standard Stepper 120V 20A IHP

WL4000HY Hybrid Servo 120V 20A IHP

WL4000PRO (faster & 5HP 3PH) 220V 30A 3PH

**Contact us for pricing!**



# CATT

CATT excels in providing hands-on, project-based agricultural science programs. Their comprehensive curriculum spans various agricultural disciplines, emphasizing practical activities and experiments to reinforce theoretical concepts. Students engage in real-world projects using industry-standard equipment, preparing them for future careers. CATT's programs align with educational standards and offer robust teacher support, ensuring high-quality instruction and a valuable learning experience.

## Agriculture Science Basics

### Curriculum

- Animal Science
- Aquaculture
- Aquaponics
- Food Science
- Maze Construction
- Maze Design
- Plant Science
- Soil Science



DEPCO is passionate about education, and that enthusiasm is projected through the development of exclusive products. The company's mission is to enhance the learning environment by offering a curriculum that takes the intimidation and confusion out of learning for students and instructors. DEPCO maintains an innovative, student-driven focus utilizing an interactive approach to learning activities. Learning retention is maximized through hands-on activities rather than relying solely on textbook-exclusive memorization. Their success is directly related to the instructors utilizing their curriculum, unparalleled training, service, support, and flexible learning environments to ensure that instructors have all the resources required to help students reach their maximum potential.

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**Contact us for More  
Information!**

## Agriculture Science Intermediate

### Curriculum



- Biotech and Genetics (Science Intermediate)
- Computer Aided Design (Science Intermediate)
- Computer Applications (Science Intermediate)
- Forestry and Natural Resources (Science Intermediate)
- Four-Stroke Engine (Science Intermediate)
- Global Positioning System (Science Intermediate)
- Horticulture
- Landscape Design (Science Intermediate)
- Meteorology (Science Intermediate)
- Plant Science (Science Intermediate)
- Pneumatics and PLC (Science Intermediate)
- Residential Construction
- Residential Plumbing
- Residential Wiring

DEPCO develops and markets educational curricula for K-12 and the post-secondary market. Product topics include science, business, marketing, IT, careers and technology, family and consumer sciences, and industrial automation and pre-engineering. The educational market has demanded these products, and DEPCO responded by creating some of the most robust curricula landscape design for both.

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**Contact us for More  
Information!**



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**Quality • Durability • Service**



**CATT**

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