



GIVE THEM A HEAD START

Fully-developed for use at all levels of education, **CNC Factory's Viper XP CNC Router** makes fabrication an easier and exciting hands-on experience for students—exposing them to the latest CNC technology used in real-world industrial settings.





- **VIPER for Educators**

Built for the new machinist in mind, the Viper requires minimal training and is easy to teach— allowing educators to devote more time honing students' design and engineering skills. Operating the Viper does not require G-code knowledge; it's uncomplicated interface & safeguards allow students to work at their own pace and without strict supervision. From at-the-machine teaching to classroom screen sharing, operating a CNC machine has never been easier.

- **VIPER for Students**

Taking away the complex operations and guesswork, the Viper takes students' concepts from Imagination to Creation quickly— giving an immediate sense of achievement. Its large, visual interface lets them see, touch and learn all aspects of CNC operations. Easier fabrication also provides room for students to create more challenging projects and become better designers.

- **VIPER for Administrators**

CNC Factory provides an 18-month warranty, excellent lifetime technical support, and an Advanced Exchange Program for parts to ensure uninterrupted learning. The Viper is easy to maintain, has a PC/Windows front end, and is compatible with popular CAM/CAD software so you can have it run right away without the worries of complicated proprietary controllers.

Use Viper XP in these curriculums:

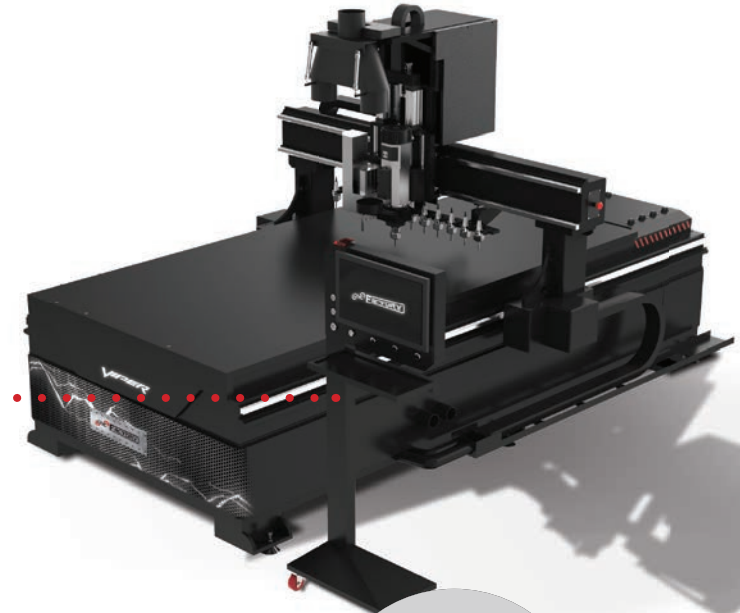
- Woodshop
- Electronics
- Science
- Robotics
- Arts
- Engineering

The Viper XP works with:

- Wood
- Soft metals
- Plastics
- Leather
- Foam
- Acrylic
- Rubber



A better investment. A better *learning experience.*



21" Touchscreen Controller . . .
Bigger screen = fewer errors & more learning. Also allows designing at the machine.



Perfect for Large Class Sizes
Cuts about 60 sheets in an 8-hour day.



Quiet V200 Vacuum Pump
Emits noise at only 70 decibels.



Remote Access/Screen Sharing
Equipped with an Eagle Eye HD camera and works with all Windows screen sharing programs.



Universal
Compatible with popular CAD/CAM softwares. With ethernet, USB & WiFi connectivity.



Safe
With machine & controller status indicator lights, plus an automatic vacuum system for 100% secure work holding.



Expandable
With multiple plug & play upgrades.



VS. Other CNC Routers of the same price point

Spindle & Speed

- 10HP ATC Air-cooled spindle with a 800 IPM cutting & 1800 IPM travel speed.

- 3HP liquid-cooled spindle - 5.5HP air-cooled spindle with slower speeds.

Controller

- 26"W x 15"L x 64"H (approx 2.7 sq.ft)
- Mobile Controller with indicator lights & wireless handheld MPG controller
- 21" Touchscreen display
- HD digital camera for remote access
- Ethernet, WiFi, USB Connectivity
- Can design at the machine & screen share

- Limited small CNC controller
- No camera for remote access
- Limited external connectivity
- Has to design in a separate PC and transfer files to the machine

ATC Tool Changer

8 tools mounted on the gantry so you can load on all 4 sides of the machine.

Tools mounted on the table with loading on only 2 sides.

Homing

NO daily homing or calibration needed.

Homing required every time the machine is turned on or reset.

Vacuum System

- Automatic valve control on touchscreen. Machine will automatically alert if there is insufficient work hold down.
- 2 vacuum ports— supports an extra pump to increase suction.

- Valves are manually controlled— operator has to crank levers manually and remember to turn the vacuum on/off.
- Cannot add an additional pump.

Upgrades available

PRODUCTION UPGRADES:

- 12HP ATC Spindle
- Up to 12 ATC Tool Changer

ANYTIME UPGRADES:

- 9-Position Drill block
- Deluche Vision Marking Tool
- Mister
- Side Boring
- Rotary Axis

No upgrades available

Lubrication

Pressurized with automatic controls: lubricates parts only when they need it.

Centralized lubrication: lubricates all parts equally even in areas that don't need it.

See the Viper in Action:



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