



Reliable, turnkey, fiber laser cutting systems designed with flexibility to meet the diverse needs of today's metal fabricator.

# FiberCab Laser Cutting Solutions

# Maximum Capability

Power, speed and ease of use will make the FC Series the most used machine in your shop.



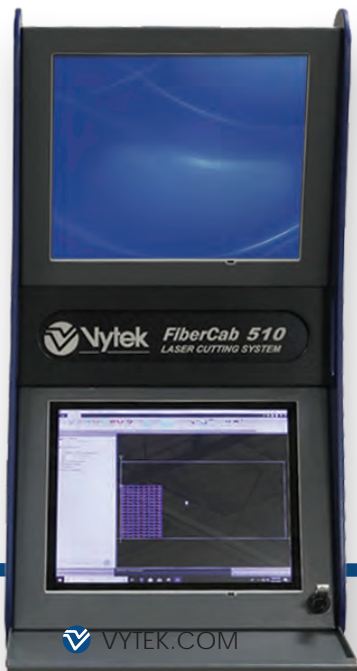
## FC510 & FC512

The FiberCab 510/512 was designed with the fabricator in mind to allow full capability in the smallest package possible. Productivity features like our pallette shuttle system can swap tables in as little as 15 seconds. The FC series is built from the ground up to take advantage of the latest advancements in fiber laser technologies. The FC510 was designed with the modern fabricator in mind. The highly rigid machine structure of the FC series allows the machine to be placed on the factory floor without the need to add concrete footings. The FC Series achieves high accelerations with speeds exceeding 5000 ipm. With a host of standard and optional features, the FiberCab offers the best value for the money.

## Specifications

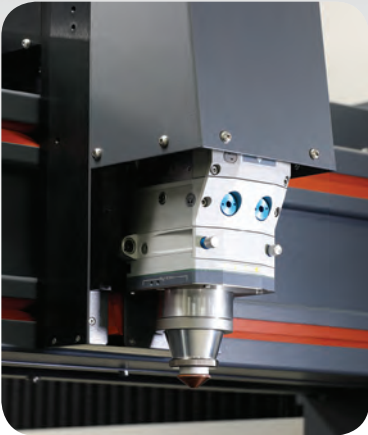
Design	Bridge Gantry Style
Work Table Height	910 mm (36") (w/o pallet changer)
Max Load Weight	2,000 lb.
Axis Stroke	FC510: 1575 mm (62") x 3100 mm (122")
Repeatability	.05mm (.002")
Drive Feed Method	FC510: Rack & Pinion & Ball Screw
Worksheet Clamps	Manual
Assist Gas System Specs	22 BAR - 325 psi
Gas Supply	Nitrogen, Oxygen
Laser Core Fiber	Single and Multi-Mode (Laser power dependent)
Air Cooled Quasi CW: Water Cooled CW:	150/1500 450/4500 watts 1-6kW
Wavelength	1070-1080 um

**Note:** Specifications subject to change without notice and are for reference purposes only. Please check with factory for current specifications.

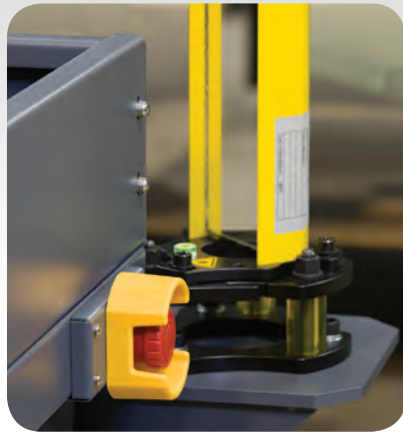




# With the Features that Make Sense



*The right tool for the job includes the best possible heads from leading manufacturers.*



*Maximum productivity includes maximum safety. The FC series is equipped with a safe zone around all moving parts of the system.*



*The integrated interior camera allows the operator to see what's going on at all times.*



*Table operation is simple and at the fingers of the operator.*

The FC series is built with safety in mind while still maintaining flexibility.

## Quality Built In

Single piece structure for ultimate rigidity, the FC remains one of the smallest footprints for work area available. Engineered with advanced user-friendly CNC controls and a dual monitor display.

## Specialized Features and Options

The high speed two pallet shuttle system allows for table changes in as little as 15 seconds while enabling access from all sides and maintaining a safe environment for the operator. The automatic shuttle system allows for cut sheet replacement while a second sheet is cutting.



# Quality Production Capability

Highly focused spot density yields unmatched cutting speeds over conventional systems.



## FC48 and FC44

The FiberCab series was built from the ground up to take advantage of the latest advancements in fiber laser technologies. The FC44 packs a real punch while being perfectly sized for the small shop and high detailed work. The big brother of the FC44 is our FC48 is perfect for the shop with space limitations but still want to be able to cut full sized sheets. Add the ultimate productivity with our two pallet shuttle system. The highly rigid machine structure of the FC series allows the machine to be placed on the factory floor without the need to add concrete footings. The FC Series achieves high accelerations with speeds exceeding 5000 ipm.

Designed, built and supported in the USA.

## Specifications

Design	Bridge Gantry Style
Work Table Height	910 mm (36") (w/o pallet changer)
Max Load Weight	FC44: 1,000 lb. FC48 and FC510: 2,000 lb.
Axis Stroke	FC44: 1300 mm (51") x 1300 mm (51") FC48: 1300 mm (51") x 2500 mm (98")
Repeatability	FC44: .015mm (.0005") FC48: .05mm (.002")
Drive Feed Method	FC44 & FC48: Precision Ground Ball Screw
Worksheet Clamps	Manual
Assist Gas System Specs	22 BAR - 325 psi
Gas Supply	Nitrogen, Oxygen
Laser Core Fiber	Single and Multi-Mode (Laser power dependent)
Air Cooled Quasi CW: Water Cooled CW:	150/1500 450/4500 watts 1-6kW
Wavelength	1070-1080 um

**Note:** Specifications subject to change without notice and are for reference purposes only. Please check with factory for current specifications.



# in a Space Saving Design



Highly accurate cutting capabilities combined with the industry's most energy efficient footprint.



## Built with Pride

The FiberCab fiber laser series is the next generation in laser cutting systems. Engineered with advanced user-friendly CNC controls and a touch screen interface, the FiberCab ensures a seamless integration into any environment from entry-level to high production.

## FC44

The FiberCab was designed for highly accurate cutting capabilities, while maintaining the smallest possible foot print. The FC44 uses advanced drives allowing for blazing speeds and high throughput when cutting complex geometries.

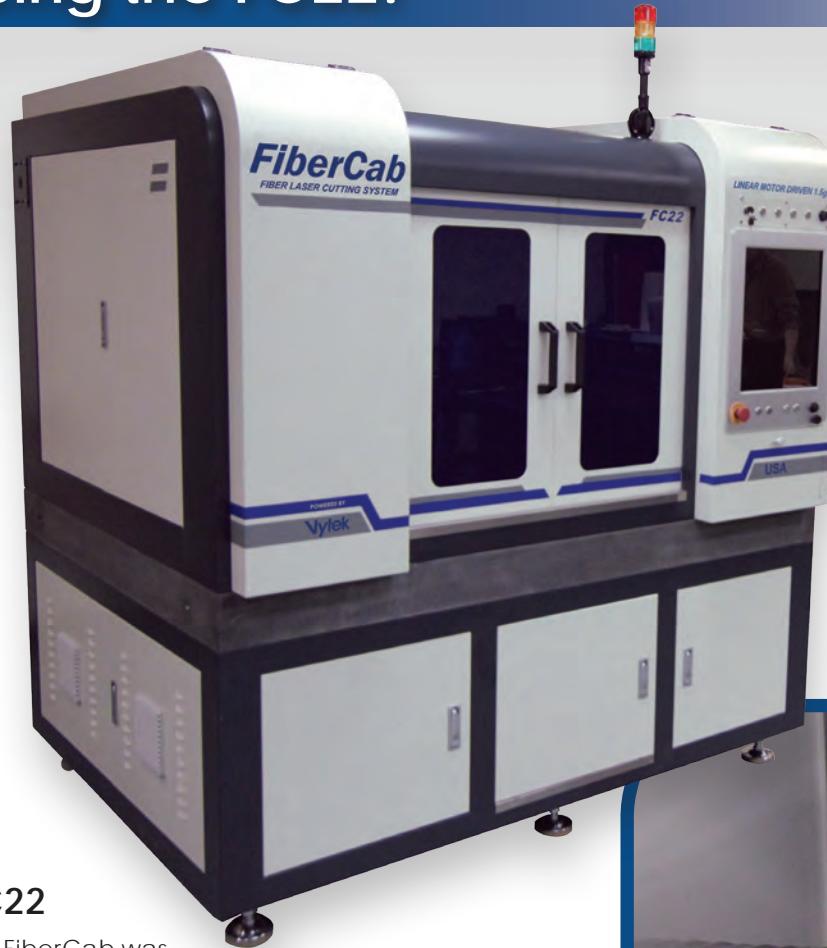
Features include:

- Ultra-efficient fiber laser powers to 6kW
- Process based controls for seamless programing
- High-Speed, non-contact height following
- Programmable gas assist controls
- Slide-out table for easy access



# Introducing the FC22!

Highly accurate cutting capabilities combined with the industry's most energy efficient footprint.



## Features

- Featuring all linear motor drives
- Accels to 1.5gs
- Cutting speeds to 4000 ipm
- Granite base structure for ultra accuracy and stability
- Fully adjustable pneumatic material clamps for support free cutting of thin sheet stock
- A full range of laser power options
- Fully enclosed cutting area with safety interlocks and LED lighting

## FC22

The FiberCab was designed for highly accurate cutting capabilities, while maintaining the smallest possible foot print. The FC22 uses advanced drives allowing for blazing speeds and high throughput when cutting complex geometries.

Engineered with advanced user-friendly CNC controls and a touch screen interface, the FiberCab ensures a seamless integration into any environment from entry-level to high production.

*Integrated control technology running with an advanced, touch-screen user interface.*



# Features and Options

Truly flexible design with a host of options including a range of laser sources to suit any need.



*A choice of cutting surfaces to accommodate thin to thick materials.*



*High performance dual ball screw drives with optional glass scales.*



*Easy access part and scrap drawers.*



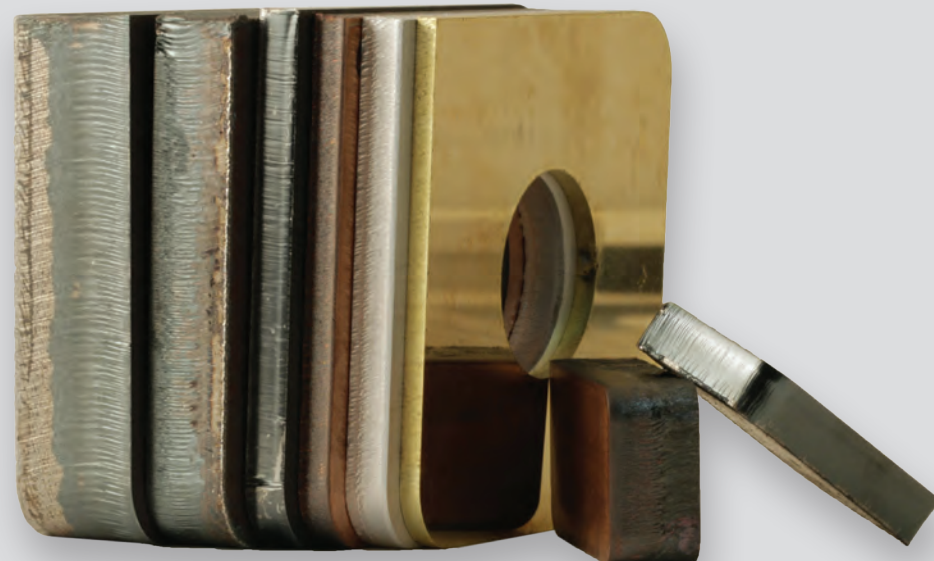
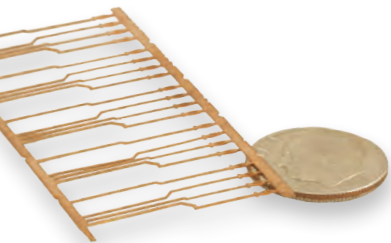
*Lightweight cutting heads for powers up to 3kW.*



*Industry-leading cutting heads for power exceeding 10kW.*

## Standard Features

- Heavyweight, high precision structure with the smallest footprint in the industry
- Innovative positioning system using high performance drives
- Rugged, state-of-the-art, 17" touch screen with fully adjustable graphic display
- Fully integrated controls with advanced process control for quick and easy operation
- On-the-fly editing capabilities with stored job history
- USB and LAN connections
- Pullout table with integrated work clamps
- Drop-through table design for easy part removal
- High performance cutting head with non-contact height following
- A full range of laser power options
- Fully enclosed cutting area with safety interlocks and LED lighting



# Built to Suit Your Needs



A full range of laser choices from leading manufacturers.



Integrated control technology running with an advanced, touch-screen user interface.

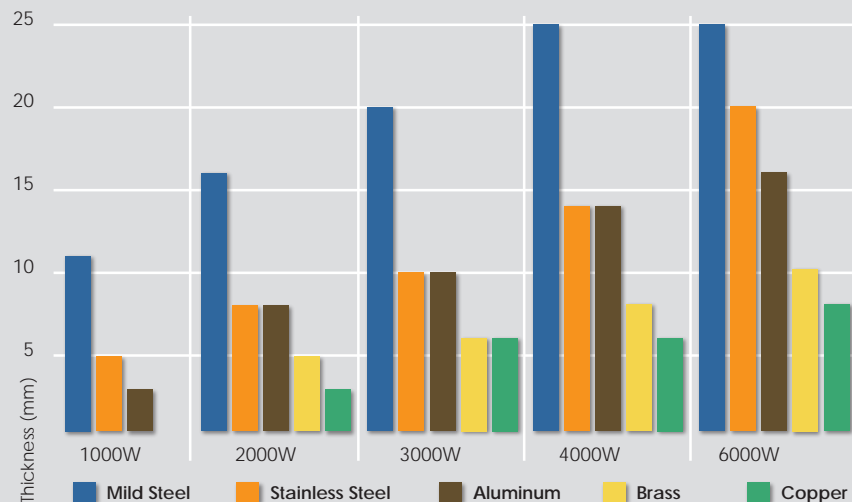


Vision alignment option for precise part orientation.

Solutions for  
your company,  
from people  
who know.



## Cutting Capacities



## Experts in Industrial Laser Cutting Solutions

Not sure what laser features you need to get your job done? Don't worry. With nearly 30 years of experience designing and building industrial laser solutions, Vytex has a deep understanding of how lasers interact with all kinds of materials. We can recommend the right system, laser power, and options to meet your exact needs.

Vytex is a manufacturer. We design, build, and support the systems we sell. This means we are able to build the right system to meet your company's needs now and for the future.

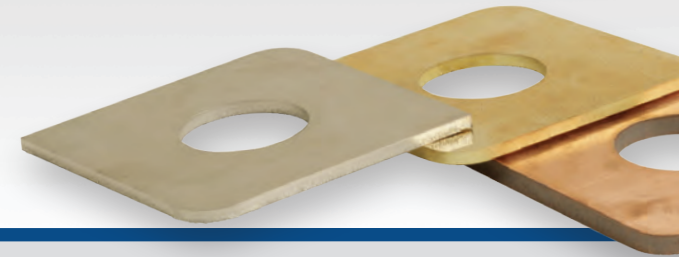
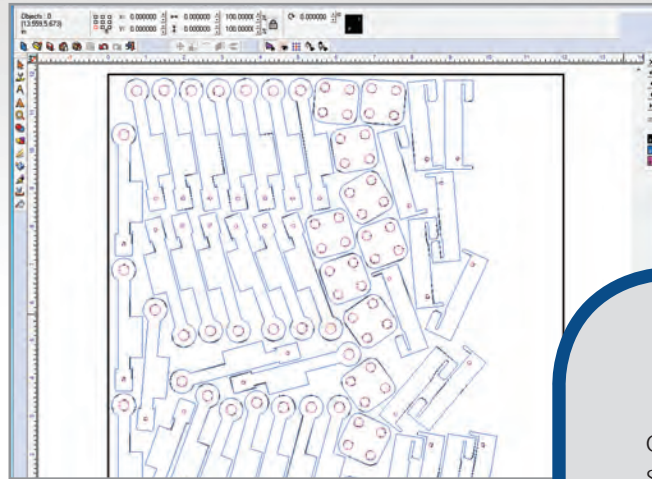
Designed, built, and supported  
in the USA.





# Intuitive Laser Cutting Software

Innovative  
CAD/CAM for the  
advanced and entry  
level operator.



## LaserWorx High Performance CAD/CAM

### Vector Files & Cut Paths

- Create vector shapes or import vector files from many sources – AI, DXF, EPS, SCV, BMP, CDL, ADS, DC2, GCODE.
- Create male, female or online cut paths and lead ins and lead outs on cut path.

### Cut Order & Start Point

- View and change cut order and start points.

### Array

- Single part may be duplicated and sequenced.

### Nest

- Standard nesting uses the bounding handles of an object for easy alignment.
- Advanced true shape nesting uses vector shape for maximum material savings.

### Trace

- Limit, combine and trace as desired to create files from just about any source file.

### Create Contour Vector

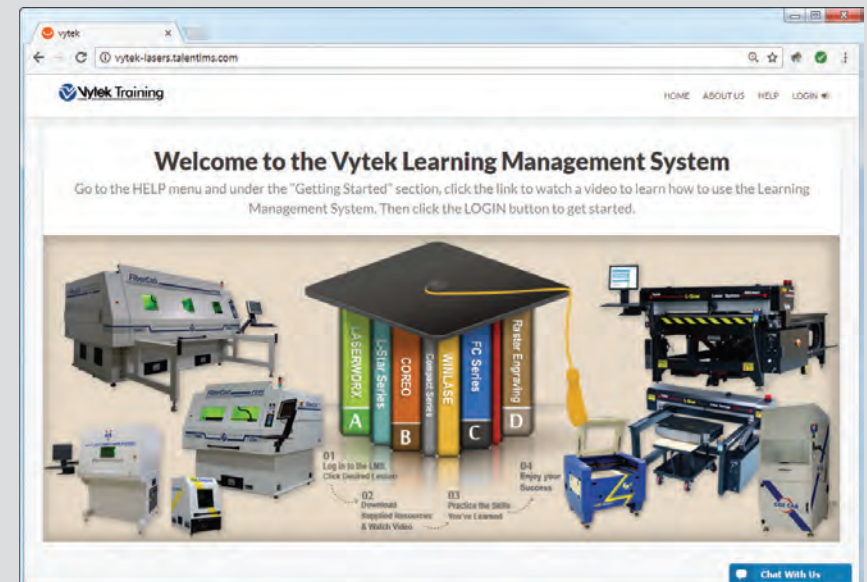
- Import bitmap objects, use contour cut feature to create a cut path around any object.

## Laser U is an Industry Leading Online

Our online Learning Management System (LMS) ensures total access to the latest training for your machine and selected options. Classes are customized based on the software, machine type and purchased options.

### Benefits of Online Learning

- Online training available 24/7. You do not need to wait for an available class to be scheduled.
- Training is customized for your solution.



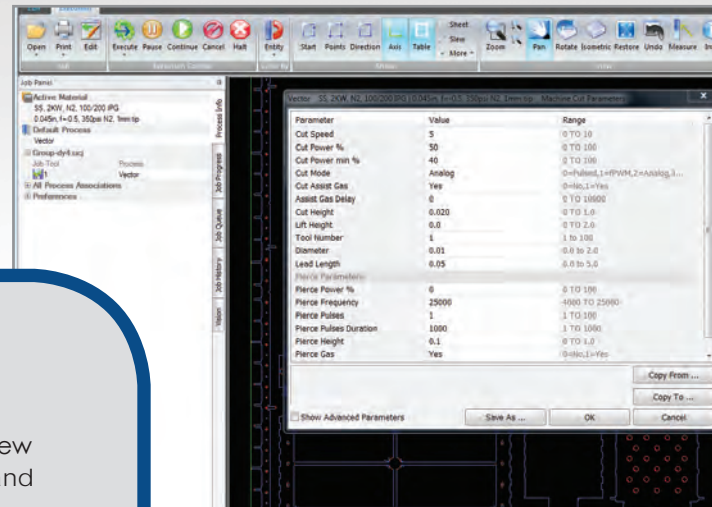
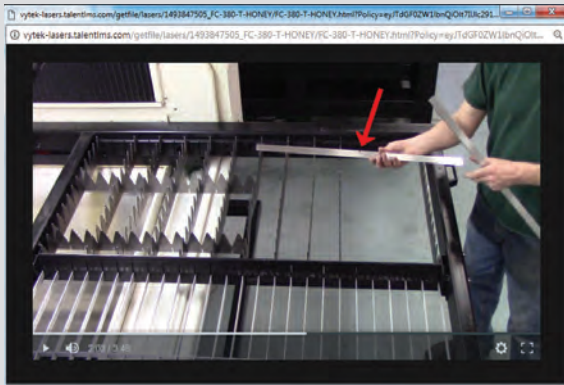


## Training Program

- Training can begin before the equipment is delivered, so you are ready to hit the ground running as soon as the equipment arrives.
- Machine operators can work at their own pace. They don't have to wait for slower learners or try to keep up with faster learners.
- If a skill is not used for a while it is not lost. Lessons can be taken again when needed.
- If an employee leaves, new employees can sign up and get up to speed quickly.
- Often, traditional training just scratches the surface of what the machine can do. With online training, more time can be devoted to learning the skills needed to get maximum production from the machine, which translates into the maximum ROI.
- The online training allows for continued growth.

When new classes are added to the LMS, all users who would benefit from the lesson are notified.

- Online training balances the need for getting work done with the need for knowledge. Operators learn as they need the skills.



LMS ensures your team has 24/7 access to the latest tools and training now and in the future.



## Process-Based Solution

Machine-based Laser Command interface seamlessly integrates with LaserWorx offline to open files for execution of cut files. It provides support for job queue, barcode, a smart shape library, job history, time estimation, simulation, and unlimited material and process support. Users can conveniently adopt, execute, and adjust parameters as well as preview and step through jobs prior to execution. They can view real time job progress, and graphically restart within the job file.

### Fast, Simple and Powerful

1. Open the cut file.
2. Select a cut process.
3. Execute the cut file.





# Full Line of Laser Systems Available

## Vytek Laser Systems, A Rich History of Providing Solutions



Vytek designs, builds and sells a complete line of laser-based equipment from its headquarters in Fitchburg, Massachusetts. For nearly 30 years, Vytek has been mastering the use of laser technology so you don't have to. We bring you the broadest possible range of engraving, marking, and cutting solutions built to exacting standards. They come with advanced hardware and software, and provide reliable performance for years of profitable operation.

Designed, built, and supported in the USA.



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