

Applications and Materials Suited to the FiberCAB Series

- Mild Steel
- Titanium
- Silicon Cutting
- Plate Cutting
- Stainless Steel
- Alloy Metals
- Coated & Plated Metals
- Aircraft Skins
- Aluminum
- Ceramics
- Opaque Plastics
- Medical Devices
- Brass
- Graphite
- Blank Cutting
- Copper
- Composites



Options and Accessories

- Laser power upgrades
- Shuttle tables
- Tube cutting attachments

Machine Table Height	910 mm (36") (w/o pallet changer)
Max Load Weight	1000 lb.
Axis Stroke	FC 44 1300 mm (51") x 1300 mm (51") FC 48 1300 mm (51") x 2500 mm (98")
Repeatability	.04mm (.002")
Drive Feed Method	Ground Ball Screw
Worksheet Clamps	Manual
Assist Gas System Specs	20 BAR -232 psi
Gas Supply	Nitrogen, Oxygen
Power Supply	Laser Source Dependent
Laser	Single and Multi-Mode (model dependent)
Wavelength	1070-1080 um



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The Vytek FiberCAB Series is a medium power laser cutting system designed to meet low to medium volume production requirements of metal fabricators.



Designed, Built, and Supported in the USA

FIBERCAB BEST PRICE TO PERFORMANCE LASER METAL CUTTING SOLUTION

The FiberCAB is the next generation in Laser Cutting systems. FiberCAB combines the precision of ball screw drives with the simplicity of our CNC controls and the latest fiber laser technologies. All this ensures the FiberCAB is the most advanced, industrial grade and cost effective laser cutting system on the market.

- Equipped with advanced fiber laser technology
- Work areas of 4' x 4' and 4' x 8'
- Ground ball screw drives
- Advanced yet easy to use CNC controls
- Range of productivity options

The FiberCAB series was developed to provide high accuracy cutting capabilities, while maintaining the industry's most energy efficient footprint. Engineered with a user-friendly CNC control interface, the FiberCAB Series ensures an easy integration into entry level manufacturer as well as high production environments. By using energy-



efficient fiber lasers, the FiberCAB achieves a level of quality and efficiency that is unprecedented for mid-level laser systems at any price.

The FiberCAB 44 and 48 are equipped with the latest ultra-efficient AIR COOLED Quasi-CW lasers with power levels starting at 1500 watts* and going up to 3000 watts*. The FiberCAB was designed to be compact and space saving, taking less room than traditional systems. In addition to a host of available laser powers, the FiberCAB can also include a range of options from multi-table pallet changers to pipe and tube cutting attachments.

The FiberCAB offers ultra-low power consumption, allowing for the lowest operating costs among all laser types. The FiberCAB requires no optical system alignment, laser service or laser replacement parts making this system virtually maintenance free.

Best of all, it is **MADE IN THE USA.**

As part runs have gotten smaller and the products more complex, the demand to lower costs has never been greater. Long lead times are a thing of the past. Manufacturing today is on demand.

The solution is FiberCab.....

The FiberCab was designed for a wide range of materials both ferrous and non-ferrous. The modular approach to the system design ensures that the laser platform is viable for years to come while allowing the user to select the best laser choice now.

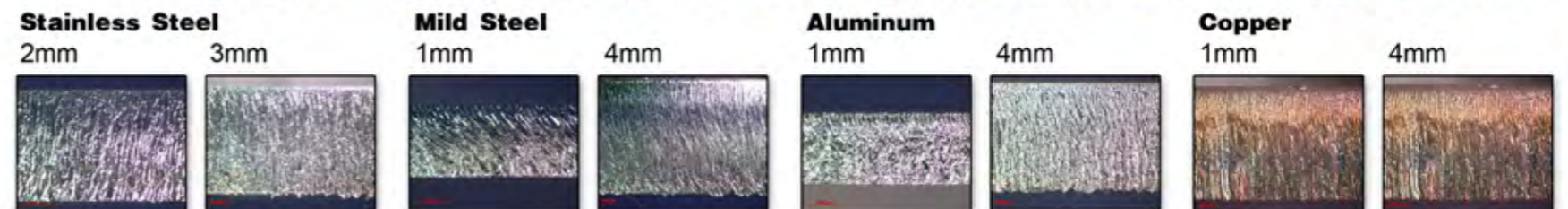


FC44 model shown, with a work area of 4'x4'

Features and Benefits of the FiberCAB Systems

- Ultra efficient fiber laser technology up to 3000 watts*
- Integrated control pendant
- Laser cutting head with non-contact height following
- Choice of cutting optics from 50 mm to 200 mm
- Optional table shuttle system
- Optional tube cutting attachments
- Laser safety shroud
- Side air blow off
- Gas pressure regulator
- Quickly integrates into any production environment
- Precision drives for fast cutting and high throughput
- Quick and easy installation and start up
- Easily upgradable laser power
- Virtually maintenance free
- Up to 100,000 hours of laser life
- Lowest power consumption in its class
- No laser gases required

FiberCAB Produces Superior Edge Quality in a Range of Ferrous and Non-Ferrous Metals



* Peak power from pulsed laser source