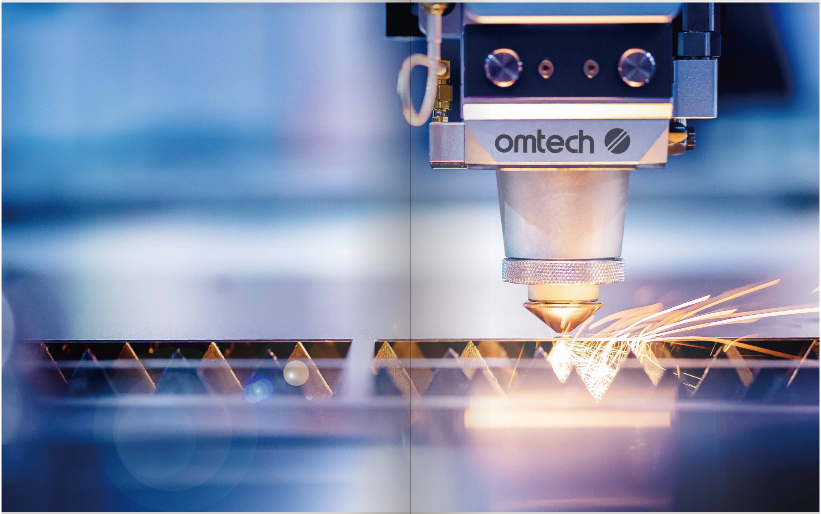
BEAMING WITH POSSIBILITIES

OMTECH Fiber Laser Machine

omtech



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WHAT IS OMTECH LASER?

OMTech Laser is a US-based company specializing in Fiber and CO2 laser machines with industry-leading affordability, support, and service.

We garnered over ten years of experience in the laser engraving industry before launching OMTech out of Anaheim, California. Built by skilled laser technicians and 30-year industry veterans, we quickly grew into the largest online seller of laser engravers.

To challenge the laser industry with original innovations, we assembled a team of engineers to research and develop a new line of high-power fiber laser cutting machines, right here in Southern California.

Thousands of R&D hours later, we're launching a new solution to help metal fabricators and parts manufacturers speed up their production and increase cut accuracy while reducing initial costs. Whether you mass-produce crude metal components or craft one-of-a-kind wonders, OMTech has the perfect laser tools for your metal fabrication tasks.

OMTECH US CS & Technical Support Team

WHY CHOOSE OMTECH?

A FEW GOOD REASONS.

1 . We can help you make more money with fast-cutting speeds and less routine maintenance.

2 . We know laser machines. We have the experience and expertise to train your operators and support your machinery locally in the USA.

3 . We understand your unique needs. Our in-house experts engineer custom machine solutions that fit your business niche operations.

4 . We're trusted worldwide. Every year over 10,000 people across the globe choose OMTech for their laser-cutting needs.

5 . Because we're trusted worldwide. Every year, over 10,000 people across the globe choose OMTech for their laser cutting needs.

omtech
FC-105C
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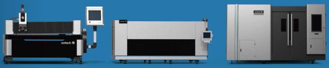
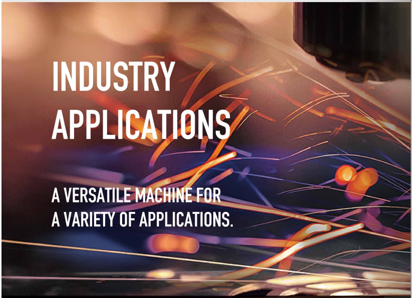
POWER.
PRECISION.
RELIABILITY.

OMTECH DOES MORE !





INDUSTRY APPLICATIONS

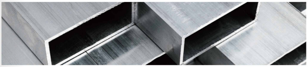
A VERSATILE MACHINE FOR A VARIETY OF APPLICATIONS.

OMTech's Fiber Cutter (FC) Line is the most desired high-powered laser cutter for varied metal fabrication purposes. It comes with an option of using the industry-leading IPG laser power source or the more affordable Raycus power source. We can customize the laser power options from 1.5kW to 20kW. Higher-powered wattages are also available upon request depending on your business's needs. With a maximum speed of 3333mm/s (2.8G acceleration), you can rest assured that this machine has high mass production capabilities with precise accuracy. Additional add-ons such as dual shuffle beds, enclosed coverings, tube cutting features, and even robotic arms are available for customization.

Designed in the USA by OMTech's US-based laser engineers, we deliver high-quality results at affordable prices. A reliable 2-year warranty, on-site installation, and training accompanied by lifetime US-Based technical support back all Fiber Cutter machine purchases.

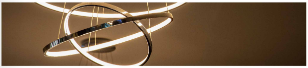
AUTOMOTIVE INDUSTRY

Our metal fabrication machines can be used to create gear tools, connectivity tools, cut out car doors and other automobile steel hardshell parts with precise accuracy.



CONSTRUCTION MATERIALS

FC laser machines are able to fabricate simple tools like nuts and bolts, and also large sheet panels for windows, roofs, floors or even welding out sturdy pillar tubes.



FURNITURE MANUFACTURING

The Fiber Cutting machine can fabricate and manipulate materials to whatever design you desire. It is widely used for distinctly artistic furniture designs that require pinpoint cutting precision. You can create chandeliers, neon lights, large sculptures and kitchen materials.

AEROSPACE ENGINEERING

The OMTech FC machines provide aerospace grade cutting precision and power. The metal fabrication machines are used to create parts for airplanes and spacecrafts.

PROTOTYPE PRODUCTION

Our industrial metal cutting machines can be used in the manufacturing and designing of production metal prototypes which is a vital engineering process in product development.

ARTISTIC APPLICATION

The high precision of OMTech's FC laser machines make it ideal for creating artistic sculptures and metal statues. The creative designs are virtually limitless.

MATERIALS & MORE

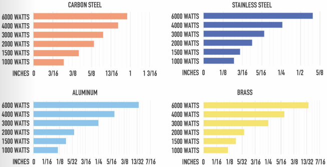
- ☑ CARBON STEEL
- ☑ STAINLESS STEEL
- ☑ ALUMINUM ALLOY
- ☑ BRASS
- ☑ COPPER
- ☑ GALVANIZED
- ☑ SILICON STEEL SHEETS
- ☑ ELECTROLYTIC SHEETS
- ☑ TITANIUM ALLOY
- ☑ MANGANESE ALLOY

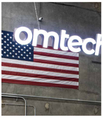
1KW - 6KW POWER

IPG

CUTTING CAPABILITIES REFERENCE CHART

LASER RESONATOR





THE MOST RELIABLE US TECH SUPPORT TEAM

OMTech proudly stands behind its comprehensive US-backed warranty program. You should feel confident with your machine purchase and be assured that your business will not face any obstacles when maintenance or repairs are required. Help will be provided by our expert technical support team based here in the US. With our 2-year warranty plan and 30-day money back guarantee, you can be confident in our commitment to every single one of our valued customers.

THE INSTALLATION PROCESS

OMTech provides complimentary on-site machine installation and operations training with every FC machine purchase. All accommodations are paid for by OMTech except for our technician's travel expenses, which will be charged at a reasonable price to the purchaser. OMTech also provides comprehensive technical support via e-mail, telephone, or text, according to preferences.

LIFETIME US-BASED SUPPORT

Every FC Series machine purchase includes a lifetime 365-day US time zone based customer support. We understand that these machines are vital to your business, hence, OMTech's priority is making sure our customers are never down. With an easily accessible phone support line, we will have an OMTech laser expert assisting you in less than 10 minutes.

ON-SITE INSTALLATION & TRAINING

Your OMTech FC machine purchase includes professional on-site installation and training in-services for your operators led by OMTech Technicians. Your team will learn all basic aspects of fiber laser safety, machine setup, operation protocols, maintenance, software, and troubleshooting issues.

TOP REASONS TO FINANCE YOUR NEXT PURCHASE

- **Get it right now**
When the newest piece of equipment is crucial to your business, waiting for the funds to be available isn't always an option. With financing, you won't have to put forth a hefty upfront payment.
- **Know what you're paying each month**
Financing allows you to plan and budget with a predictable monthly payment.
- **Simple, quick financing**
With dedicated online applications you can complete in minutes, you could get quick turnarounds on approvals.
- **Keep your cash reserves available**
Paying for equipment over time by financing means there's no huge cash burden with your purchase.
- **Take advantage of competitive rates**
Financing can be a cost-effective solution.
- **Reap some serious tax benefits**
Financed equipment can be deducted as an operating expense in the period in which it's paid, which reduces the overall cost. Payments are also treated as expenses on the income sheet, so there's no need to worry about depreciation.

3 simple steps to get started

Apply online in as little as 3 minutes. → Sign your documents electronically. → Get your equipment.

First Citizens Bank

We have partnered up with First Citizen Bank to provide the best financing options for our FC customers. With loaning options of up to $1 million, you can rest assured to have enough capital to invest in the metal fabrication machine of your dreams without a hefty initial down payment.

But of course, we are flexible on accepting other financing options of your choice as well!

FIBER LASER CUTTING MACHINE

OMTECH FC-105C

AS LOW AS $ 694 / MO *

PRICE MATCH GUARANTEE

DESIGNED IN USA

FC-105C
omtech

"FC-105C, BUILT FOR COST-EFFECTIVE LIGHT METAL FABRICATION"

OMTech FC-105C comes equipped with a 1.5 kW IPG power source capable of easily cutting up to 7.5/16 inch (12mm) carbon steel sheets with an economical Max laser source option. The compact all-in-one open bed table configuration saves space without sacrificing performance, along with our industry-leading affordability to guarantee high ROI for light metal fabrication. The OMTech FC-105C is designed in the USA by OMTech's team of expert laser engineers with a reliable 2-year limited warranty, onsite installation plus training, a 30-day return policy, and an always available lifetime US-based technical support staff.

POWER	SPEED	PRECISION	CUTTING AREA
1.5 kW	666 mm/s	± 0.05 mm	3000 x 1500 mm (10' x 5')

All FC machines are customizable with varying laser power capabilities and additional add-ons such as shuffle beds, enclosed structure, robotic arms and much more.

* Financing options and results highly based on applicant's previous credit history.

MAJOR COMPONENTS		COUNTRY OF ORIGIN
Fiber Laser	IPG 1.5 kW (MAX Laser Source Optional)	USA
Laser Head	Raytools BM110	Switzerland
X-Axis Motor	Schneider 750 W	France
Y-Axis Motor	Schneider 1500 W	France
Z-Axis Motor	Schneider 400 W	France
Reducer	Shimpo	Japan
Linear Guide	OMTECH OEM High Precision	USA
Rack and Pinion	OMTECH OEM High Precision	USA
Water Cooler	OMTECH OEM	USA
Electric	Schneider	France
Gas Circuit System	SMC	Japan
Control System	CypCut 2000S	P.R.C.
Table Base	OMTECH OEM	USA
Gantry	OMTECH Aviation Aluminum 6061 T6	USA
Control Computer	HP / Dell	USA

EQUIPMENT PARAMETERS	
Cutting Area	3000 ×1500 mm
Positioning Accuracy (X/Y)	± 0.05 mm
Repeated Positioning Accuracy (X/Y)	± 0.02 mm
Max Speed	666 mm/s
Z-Axis Travel	80 mm
Max Acceleration	0.6 g
Work Table Max Load	700 kg
Metal Safety Cover	No
Shuffle Table	No
Machine Size	3900 × 2760 × 1650 mm
Machine Net Weight	1200 kg
Machine Packaging Dimensions	3960 ×2320 ×1900 mm
Product Weight	1700 kg
Power Protection Level	IP54
Laser Power	1500 W
Power Parameters	3 - Phase AC 380 V, 60 Hz

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DEVICE FUNCTION CONFIGURATION	
Display	Yes
WIFI Wireless Control	Optional
Camera Monitoring System	No
Laser Head Anti-Collision	No
Anti-Collision Mapping Sensor	Yes
Lightning Piercing	Optional (Must with BLT Head)
Auxiliary Gas Low Pressure Alarm	Optional
Automatic Gas Cutting Pressure Regulation	Yes (Oxygen included, Nitrogen Optional)
Door Safety Protection	No
Laser Source Opertional Alarm	Yes
Countertop Lock	No
Zone based Dust Removal System	No
Automatic Lubrication System	Yes

EQUIPMENT PROCESSING ACCURACY	
φ 30mm Circular Cut Accuracy	0.08 - 0.12 mm
φ 30mm Adjacent Cut Accuracy (differences)	0.06 - 0.10 mm
φ 200mm Adjacent Cut Accuracy (differences)	0.08 - 0.10 mm
φ 200mm Diagonal Cut Accuracy (differences)	0.08 - 0.12 mm

FIBER LASER CUTTING MACHINE

OMTECH FC-44

AS LOW AS $ 849 / MO *

PRICE MATCH GUARANTEE

DESIGNED IN THE USA

“FC-44, DESIGNED FOR SAFE & COMPACT SHOP ”

OMTech FC-44 "Intelli-cut" was engineered specifically to meet growing business demands. With a 4.27 x 4.27 ft sawtooth working table, a cubic safety-covered structure, and a pull-out platform, this precise and compact machine easily fits into a densely packed operation space while delivering pristine metal processing results. It comes equipped with a 1.5 to 3 kW industry-leading IPG power source, perfect for light to medium-heavy fabrication. This machine purchase includes everything you need to get started; a reliable 2-year warranty, onsite installation, training, and lifetime US-based technical support staff. The OMTech FC-44 is designed in the USA by OMTech's expert laser engineers for a safe and compact shop solution.

POWER	SPEED	PRECISION	CUTTING AREA	WORKTABLE
1.5 - 3 kW	1333 mm/s	± 0.05 mm	1300 × 1300 mm (4.27’ x 4.27’)	Covered with Pull-Out

All FC machines are customizable with varying laser power capabilities and additional add-ons such as shuffle beds, enclosed structure, robotic arms and much more.

* Financing options and results highly based on applicant’s previous credit history.

MAJOR COMPONENTS		COUNTRY OF ORIGIN
Fiber Laser	IPG 1.5 - 3 kW (MAX Laser Source Optional)	USA
Laser Head	Raytools BM110	Switzerland
X-Axis Motor	Schneider 750 W	France
Y-Axis Motor	Schneider 1500 W	France
Z-Axis Motor	Schneider 400 W	France
Reducer	Shimpo	Japan
Linear Guide	OMTECH OEM High Precision	USA
Eack and Pinion	OMTECH OEM High Precision	USA
Water Cooler	OMTECH OEM	USA
Electric	Schneider	France
Gas Circuit System	SMC	Japan
Control System	CypCut 2000S	P.R.C.
Table Base	OMTECH OEM	USA
Gantry	OMTECH Aviation Aluminum 6061 T6	USA
Control Computer	HP / Dell	USA

EQUIPMENT PARAMETERS	
Cutting Area	1300 × 1300 mm
Positioning Accuracy (X/Y)	± 0.05 mm
Repeated Positioning Accuracy (X/Y)	± 0.02 mm
Max Speed	1333 mm/s
Z-Axis Travel	100 mm
Max acceleration	1 g
Work Table Max Load	300 kg
Metal Safety Cover	Yes
Shuffle Table	Single Pull-Out Platform
Machine Size	2985 × 2160 × 2000 mm
Machine Net Weight	1900 kg
Machine Packaging Dimensions	3160 × 2290 × 2230 mm
Product Weight	2865 kg
Power Protection Level	IP54
Laser Power	1500 - 3000 W
Power Parameters	3 - Phase AC 380 V, 50 Hz / 60 Hz

DEVICE FUNCTION CONFIGURATION	
Display	Yes
WIFI Wireless Control	Optional
Camera Monitoring System	No
Laser Head Anti-Collision	No
Anti-Collision Mapping Sensor	Yes
Lightning Piercing	Optional (Must with BLT Head)
Auxiliary Gas Low Pressure Alarm	Optional
Automatic Gas Cutting Pressure Regulation	Yes (Oxygen included, Nitrogen Optional)
Door Safety Protection	No
Laser Source Operational Alarm	Yes
Countertop Lock	No
Zone Based Dust Removal System	Yes
Automatic Lubrication System	Yes

EQUIPMENT PROCESSING ACCURACY	
φ 30mm circular cut accuracy	0.05 - 0.08 mm
φ 30mm Adjacent cut accuracy (differences)	0.02 - 0.04 mm
φ 200mm Adjacent cut accuracy (differences)	0.04 - 0.06 mm
φ 200mm Diagonal cut accuracy (differences)	0.05 - 0.07 mm

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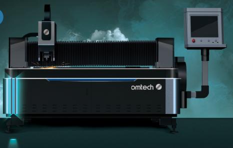
FIBER LASER CUTTING MACHINE

OMTECH FC-105

AS LOW AS $ 849 / MO *

PRICE MATCH GUARANTEE

DESIGNED IN USA



“ FC-105, THE MOST DESIRED FC FOR VARIETY METAL FABRICATION ”

OMTech FC-105 is the most desirable open-bed laser cutter for varied metal fabrication. It comes equipped with an industry-leading IPG power source with customizable options from 1.5 to 4 kW, reaching 1333 mm/s speed (1G acceleration) and increased accuracy compared to our FC-105C. The OMTech FC-105 is designed in the USA by OMTech's US-based team of laser engineers backed by a reliable 2-year warranty, onsite installation, training, and an always available lifetime US-based technical support staff.

POWER	SPEED	PRECISION	CUTTING AREA
1.5 - 4 kW	1333 mm/s	± 0.05 mm	3000 x 1500 mm (10’ x 5’)

All FC machines are customizable with varying laser power capabilities and additional add-ons such as shuffle beds, enclosed structure, robotic arms and much more.

* Financing options and results highly based on applicant’s previous credit history.

MAJOR COMPONENTS		COUNTRY OF ORIGIN
Fiber Laser	IPG 1.5 - 4 kW (MAX Laser Source Optional)	USA
Laser Head	Raytools BM110	Switzerland
X-Axis Motor	Schneider 750 W	France
Y-Axis Motor	Schneider 1500 W	France
Z-Axis Motor	Schneider 400 W	France
Reducer	Shimpo	Japan
Linear Guide	OMTECH OEM High Precision	USA
Rack and Pinion	OMTECH OEM High Precision	USA
Water Cooler	OMTECH OEM	USA
Electric	Schneider	France
Gas Circuit System	SMC	Japan
Control System	CypCut 2000S	P.R.C.
Table Base	OMTECH OEM	USA
Gantry	OMTECH Aviation Aluminum 6061 T6	USA
Control Computer	HP / Dell	USA

EQUIPMENT PARAMETERS	
Cutting Area	3000 ×1500 mm
Positioning Accuracy (X/Y)	± 0.05 mm
Repeated Positioning Accuracy (X/Y)	± 0.02 mm
Max Speed	1333 mm/s
Z-Axis Travel	100 mm
Max Acceleration	1 g
Work Table Max Load	700 kg
Metal Safety Cover	No
Shuffle Table	No
Machine Size	4626 × 2950 × 1900 mm
Machine Net Weight	2280 / 2390 / 2530 / 2770 kg
Machine Packaging Dimensions	4880 × 2300 × 2100 mm
Product Weight	2280 / 2390 / 2530 / 2770 kg
Power Protection Level	IP 54
Laser Power	1500 - 4000 W
Power Parameters	3 - Phase AC 380 V, 50 Hz / 60 Hz

DEVICE FUNCTION CONFIGURATION	
Display	Yes
WIFI Wireless Control	Optional
Camera Monitoring System	No
Laser Head Anti-Collision	No
Anti-Collision Mapping Sensor	Yes
Lightning Piercing	Optional (Must with BLT Head)
Auxiliary Gas Low Pressure Alarm	Optional
Automatic Gas Cutting Pressure Regulation	Yes (Oxygen included, Nitrogen Optional)
Door Safety Protection	No
Laser Source Opertional Alarm	Yes
Countertop Lock	No
Zone based Dust Removal System	No
Automatic Lubrication System	Yes

EQUIPMENT PROCESSING ACCURACY	
φ 30 mm Circular Cut Accuracy	0.05 - 0.08 mm
φ 30 mm Adjacent Cut Accuracy (differences)	0.02 - 0.04 mm
φ 200 mm Adjacent Cut Accuracy (differences)	0.04 - 0.06 mm
φ 200 mm Diagonal Cut Accuracy (differences)	0.05 - 0.07 mm

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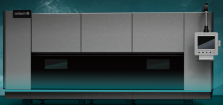
FIBER LASER CUTTING MACHINE

OMTECH FC-510

AS LOW AS $ 1089 / MO*

PRICE MATCH GUARANTEE

DESIGNED IN USA



"FC-510, SUPERIOR SOLUTION FOR SPACE SAVING SAFETY"

OMTech FC-510 comes equipped with an industry leading IPG 1.5 to 4 kW power source. The 10′ x 5′ working table comes fully enclosed for maximum safety for your business, and features a pull-out platform for easy material exchange. This precise and elegantly designed machine easily fits into any operational space without impeding other business operations. Includes all you need to get started, a reliable 2 year warranty, onsite installation plus training, and lifetime US-based technical support staff. Designed and assembled in the USA by OMTech's team of expert laser engineers to meet all your light to heavy metalfabrication needs.

POWER	SPEED	PRECISION	CUTTING AREA	WORKTABLE
1.5 - 4 kW	1333 mm/s	± 0.05 mm	3000 x 1500 mm (10′ x 5′)	Covered with Pull-Out

All FC machines are customizable with varying laser power capabilities and additional add-ons such as shuffle beds, enclosed structure, robotic arms and much more.

* Financing options and results highly based on applicant's previous credit history.

MAJOR COMPONENTS		COUNTRY OF ORIGIN
Fiber Laser	IPG 1.5 - 4 kW (MAX Laser Source Optional)	USA
Laser Head	Raytools BM110 / BM114	Switzerland
X-Axis Motor	Schneider 750 W	France
Y-Axis Motor	Schneider 1500 W	France
Z-Axis Motor	Schneider 400 W	France
Reducer	Shimpo	Japan
Linear Guide	OMTECH OEM High Precision	USA
Rack and Pinion	OMTECH OEM High Precision	USA
Water Cooler	OMTECH OEM	USA
Electric	Schneider	France
Gas Circuit System	SMC	Japan
Control System	CypCut 2000S	P.R.C.
Table Base	OMTECH OEM	USA
Gantry	OMTECH Aviation Aluminum 6061 T6	USA
Control Computer	HP / Dell	USA

EQUIPMENT PARAMETERS	
Cutting Area	3000 x 1500 mm
Positioning Accuracy (X/Y)	± 0.05 mm
Repeated Positioning Accuracy (X/Y)	± 0.02 mm
Max Speed	1333 mm/s
Z-Axis Travel	120 mm
Max Acceleration	1 g
Work Table Max Load	700 kg
Metal Safety Cover	Yes
Shuffle Table	Single Pull-Out Platform
Machine Size	4890 × 2300 × 2290 mm
Machine Net Weight	2900 kg
Machine Packaging Dimensions	5860 × 2320 × 2240 mm
Product Weight	3400 kg
Power Protection Level	IP54
Laser Power	1500 - 4000 W
Power Parameters	3 - Phase AC 380 V, 60 Hz

DEVICE FUNCTION CONFIGURATION	
Display	Yes
WIFI Wireless Control	Optional
Camera Monitoring System	No
Laser Head Anti-Collision	No
Anti-Collision Mapping Sensor	Yes
Lightning Piercing	Optional (Must with BLT Head)
Auxiliary Gas Low Pressure Alarm	Optional
Automatic Gas Cutting Pressure Regulation	Yes (Oxygen included, Nitrogen Optional)
Door Safety Protection	No
Laser Source Opertional Alarm	Yes
Countertop Lock	No
Zone based Dust Removal System	Yes
Automatic Lubrication System	Yes

EQUIPMENT PROCESSING ACCURACY	
φ 30mm Circular Cut Accuracy	0.10 - 0.15 mm
φ 30mm Adjacent Cut Accuracy (differences)	0.08 - 0.12 mm
φ 200mm Adjacent Cut Accuracy (differences)	0.10 - 0.16 mm
φ 200mm Diagonal Cut Accuracy (differences)	0.15 - 0.20 mm

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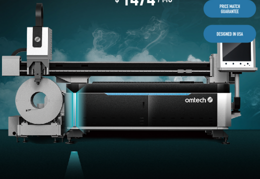
FIBER LASER CUTTING MACHINE

OMTECH FC105T

AS LOW AS $ 1474 / MO*

PRICE MATCH GUARANTEE

DESIGNED IN USA



"FC-105T, BUILT FOR COST-EFFECTIVE METAL TUBE CUTTING"

OMTech's versatile FC-105T machine was created to fabricate metal tubes efficiently. The fiber laser machine also has the function of cutting flat plates and pipes simultaneously, truly achieving a dual-purpose process. Metal laser tube cutting can fabricate through-holes of any shape as small as the wall thickness of the material. It is also often used to cut channels that allow for easy bending and welding of the tube for angled tubing. With a 2-year bumper-to-bumper machine warranty, our fiber-cutting machines include onsite installation, training, and US-based lifetime technical support.

POWER	SPEED	PRECISION	CUTTING AREA
1.5 - 4 kW	1333 mm/s	± 0.05 mm	3000 x 1500 mm (10′ x 5′)

All FC machines are customizable with varying laser power capabilities and additional add-ons such as shuffle beds, enclosed structure, robotic arms and much more.

* Financing options and results highly based on applicant's previous credit history.

MAJOR COMPONENTS		COUNTRY OF ORIGIN
Fiber Laser	IPG 1.5 - 4 kW (MAX Laser Source Optional)	USA
Laser Head	Raytools BM110 / BM114	Switzerland
X-Axis Motor	Delta / Schneider 750 W	France
Y-Axis Motor	Delta / Schneider 1000 W	France
Z-Axis Motor	Delta / Schneider 400 W	France
Reducer	Shimpo	Japan
Linear Guide	OMTECH OEM High Precision	USA
Rack and Pinion	OMTECH OEM High Precision	USA
Water Cooler	OMTECH OEM	USA
Electric	Schneider	France
Gas Circuit System	SMC / AirTac	Japan
Control System	CypCut 3000S	P.R.C.
Table Base	OMTECH OEM	USA
Gantry	OMTECH Aviation Aluminum 6061 T6	USA
Control Computer	HP / Dell	USA

EQUIPMENT PARAMETERS	
Cutting Area	3000 ×1500 mm
Positioning Accuracy (X/Y)	± 0.05 mm
Repeated Positioning Accuracy (X/Y)	± 0.02 mm
Max Speed	1333 mm/s
Z-Axis Travel	320 mm
Max Acceleration	0.8 g
Work Table Max Load	700 kg
Metal Safety Cover	No
Shuffle Table	No
Machine Size	4626 × 3890 × 2000 mm
Machine Net Weight	3500 kg
Machine Packaging Dimensions	
Main Open-Bed + Base	4830 × 2320 × 1600 mm
Tube Cutting Section + Base	7880 × 1825 × 2000 mm
Product Weight	4000 kg
Power Protection Level	IP54
Laser Power	1500 - 4000 W
Power Parameters	3 - Phase AC 380 V, 50Hz / 60Hz
Tube Cutting Length	500 - 6000 mm
Max Tube Cutting Load	150 kg
Tube Cutter Dimensions	
Circular Tube	φ20 - 220 mm
Square Tube	φ20 - 150 mm
Rectangular Tube	Diagonal ≤ 200 mm

DEVICE FUNCTION CONFIGURATION	
Display	Yes
WIFI Wireless Control	Optional
Camera Monitoring System	No
Laser Head Anti-Collision	No
Anti-Collision Mapping Sensor	Yes
Lightning Piercing	No
Auxiliary Gas Low Pressure Alarm	Optional
Automatic Gas Cutting Pressure Regulation	Yes (Oxygen included, Nitrogen Optional)
Door Safety Protection	No
Laser Source Opertional Alarm	Yes
Countertop Lock	No
Zone based Dust Removal System	No
Automatic Lubrication System	Yes

EQUIPMENT PROCESSING ACCURACY	
φ 30mm Circular Cut Accuracy	0.05 - 0.08 mm
φ 30mm Adjacent Cut Accuracy (differences)	0.02 - 0.04 mm
φ 200mm Adjacent Cut Accuracy (differences)	0.04 - 0.06 mm
φ 200mm Diagonal Cut Accuracy (differences)	0.05 - 0.07 mm

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FIBER LASER CUTTING MACHINE

OMTECH FC-105SA

AS LOW AS $ 1559 / MO *

PRICE MATCH GUARANTEE

DESIGNED IN USA

"FC-105SA, DOUBLE THE PRODUCTIVITY WITH MAXIMUM SAFETY"

OMTech FC-105SA is the ultimate versatile package for all your metal-cutting fabrication needs. The machine comes equipped with a dual shuffle table, doubling the production on one machine with a maximum safety enclosure. Equipped with an industry-leading IPG laser source with a power range of 1.5 to 6 kW, this is the most powerful fiber cutter machine in our product line. You'll be able to cut twice as much steel, brass, aluminum, copper sheets, and more. The machine includes all you need to get started: a reliable 2-year warranty, onsite installation, training, and lifetime US-based technical support staff.

POWER	SPEED	PRECISION	CUTTING AREA	WORKTABLE
1.5 - 6 kW	2166 mm/s	± 0.05 mm	3000 × 1500 mm (10' x 5')	Dual Shuffle

All FC machines are customizable with varying laser power capabilities and additional add-ons such as shuffle beds, enclosed structure, robotic arms and much more.

* Financing options and results highly based on applicant's previous credit history.

MAJOR COMPONENTS		COUNTRY OF ORIGIN
Fiber Laser	IPG 1.5 - 6 kW (MAX Laser Source Optional)	USA
Laser Head	Raytools BM110 (3 kW & below), BM06K (4 kW & up)	Switzerland
X-Axis Motor	Schneider 1000 W	France
Y-Axis Motor	Schneider 2000 W	France
Z-Axis Motor	Schneider 400 W	France
Reducer	Moto-Reducer	Japan
Linear Guide	OMTECH OEM High Precision	USA
Rack and Pinion	OMTECH OEM High Precision	USA
Water Cooler	OMTECH OEM	USA
Electric	Schneider	France
Gas Circuit System	SMC / AirTac	Japan
Control System	CypCut 2000S	P.R.C.
Table Base	OMTECH OEM	USA
Gantry	OMTECH Aviation Aluminum 6061 T6	USA
Control Computer	HP / Dell	USA

EQUIPMENT PARAMETERS	
Cutting Area	3000 × 1500 mm
Positioning Accuracy (X/Y)	± 0.05 mm
Repeated Positioning Accuracy (X/Y)	± 0.02 mm
Maxmium Speed	2166 mm/s
Z-Axis Travel	220 mm
Maximum Acceleration	1.0 g
Work Table Maximum Load	700 kg
Metal Safety Cover	Yes
Shuffle Table	Dual Shuffle Platform (20s)
Machine Size	8300 × 2270 × 2260 mm
Machine Net Weight	6500 kg (3 kW)
Machine Packaging Dimensions	
	Main Bed + Base: 5450 × 2300 × 2340 mm Switch Bed + Base: 3620 × 2300 × 2100 mm
Product Weight	
	Main Bed + Base: 5000 kg Switch Bed + Base: 3000 kg
Power Protection Level	IP54
Laser Power	1500 - 6000 W
Power Parameters	3 - Phase AC 380 V, 50Hz / 60Hz

DEVICE FUNCTION CONFIGURATION	
Display	Yes
WIFI Wireless Control	Yes
Camera Monitoring System	Yes
Laser Head Anti-Collision	No
Anti-Collision Mapping Sensor	Yes
Lightning Piercing	No
Auxiliary Gas Low Pressure Alarm	Optional
Automatic Gas Cutting Pressure Regulation	
	Yes (Oxygen included, Nitrogen Optional)
Door Safety Protection	Yes
Laser Source Opertional Alarm	Yes
Countertop Lock	Yes
Zone based Dust Removal System	Yes
Automatic Lubrication System	Yes

EQUIPMENT PROCESSING ACCURACY	
φ 30mm Circular Cut Accuracy	≤ 0.1 mm
φ 30mm Adjacent Cut Accuracy (differences)	≤ 0.1 mm
φ 200mm Adjacent Cut Accuracy (differences)	≤ 0.1 mm
φ 200mm Diagonal Cut Accuracy (differences)	≤ 0.1 mm

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FIBER LASER CUTTING MACHINE

OMTECH FC-105SAT

AS LOW AS $ 2409 / MO *

PRICE MATCH GUARANTEE

DESIGNED IN USA

"FC-105SAT, BUILT FOR SAFE AND SECURE TUBE CUTTING"

OMTech's top-of-the-line FC105SAT is our Fiber Cutter catalog's most well-rounded metal fabrication machine. This fully enclosed fiber machine provides robust security as well as a dual-exchangeable shuffle bed to improve the material feeding and loading efficiency, making it optimal for mass metal cutting tasks. This is an excellent machine for manufacturers performing big and versatile projects on a regular basis. Designed and assembled in the USA, the machine purchase comes with a reliable 2-year warranty, onsite installation, training, and a lifetime US-based technical support team.

POWER	SPEED	PRECISION	CUTTING AREA
1.5 - 6 kW	2166 mm/s	± 0.05 mm	3000 x 1500 mm (10' x 5')

All FC machines are customizable with varying laser power capabilities and additional add-ons such as shuffle beds, enclosed structure, robotic arms and much more.

* Financing options and results highly based on applicant's previous credit history.

MAJOR COMPONENTS		COUNTRY OF ORIGIN
Fiber Laser	IPG 1.5 - 6 kW (MAX Laser Source Optional)	USA
Laser Head	Raytools BM110 (3 kW & below), BM06K (4 kW & up)	Switzerland
X-Axis Motor	Delta / Schneider 1000 W	France
Y-Axis Motor	Delta / Schneider 2000 W	France
Z-Axis Motor	Delta / Schneider 400 W	France
Reducer	Shimpo	Japan
Linear Guide	OMTECH OEM High Precision	USA
Rack and Pinion	OMTECH OEM High Precision	USA
Water Cooler	OMTECH OEM	USA
Electric	Schneider	France
Gas Circuit System	SMC / AirTac	Japan
Control System	CypCut 3000S	P.R.C.
Table Base	OMTECH OEM	USA
Gantry	OMTECH Aviation Aluminum 6061 T6	USA
Control Computer	HP / Dell	USA

EQUIPMENT PARAMETERS	
Cutting Area	3000 ×1500 mm
Positioning Accuracy (X/Y)	± 0.05 mm
Repeated Positioning Accuracy (X/Y)	± 0.02 mm
Max Speed	2166 mm/s
Z-Axis Travel	330 mm
Max Acceleration	1.0 g
Work Table Max Load	700 kg
Metal Safety Cover	Yes
Shuffle Table	Dual Shuffle Platform (25 s)
Machine Size	8330 × 3910 × 2260 mm
Machine Net Weight	9150 kg (6 kW)
Machine Packaging Dimensions	
Main Bed + Switch Bed + Base	5000 × 2300 × 2100 mm
Tube Cutting Section + Base	8200 × 1140 × 2300 mm
Large Metal Enclosure	4800 × 2200 × 2250 mm
Product Weight	10600 kg
Power Protection Level	IP54
Laser Power	1500 - 6000 W
Power Parameters	3 - Phase AC 380 V, 50Hz / 60Hz
Tube Cutting Length	500 - 6000 mm
Max Tube Cutting Load	150 kg
Tube Cutter Dimensions	
Circular Tube	φ20 - 220 mm
Square Tube	φ20 - 150 mm
Rectangular Tube	Diagonal ≤ 200 mm

DEVICE FUNCTION CONFIGURATION	
Display	Yes
WIFI Wireless Control	Yes
Camera Monitoring System	Yes
Laser Head Anti-Collision	No
Anti-Collision Mapping Sensor	Yes
Lightning Piercing	No
Auxiliary Gas Low Pressure Alarm	Optional
Automatic Gas Cutting Pressure Regulation	
	Yes (Oxygen included, Nitrogen Optional)
Door Safety Protection	Yes
Laser Source Opertional Alarm	Yes
Countertop Lock	Yes
Zone Based Dust Removal System	Yes
Automatic Lubrication System	Yes

EQUIPMENT PROCESSING ACCURACY	
φ 30mm Circular Cut Accuracy	0.05 - 0.10 mm
φ 30mm Adjacent Cut Accuracy (differences)	0.05 - 0.10 mm
φ 200mm Adjacent Cut Accuracy (differences)	0.05 - 0.10 mm
φ 200mm Diagonal Cut Accuracy (differences)	0.05 - 0.10 mm

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CALL OR EMAIL US TO SCHEDULE A CONSULTATION WITH A SPECIALIST

You're not just buying a laser cutter. You're forming a connection with an industry specialist invested in your success. With free onsite installation, expert-led training, and lifetime technical support, we provide all the tools you need to achieve your metal-cutting goals. Each laser includes a 2-year warranty trusted by businesses throughout North America. Our excellent service, affordable prices, and easy-to-use financing program makes our laser cutters the most accessible in the industry.

There's no better way to go than OMTech. Set up your appointment with our team of experts today and explore your many options. We'll help you choose the right Fiber machine that is perfect for your unique business needs.

Pre-orders are now open. Reserve your machine with a partial down payment and call our FC sales representatives to curate your customized quote that could end up earning you savings in the thousands.

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