



MQ FC TUBE FIBERLASER METAL CUTTER

Industrial cutting of tube metal without post-processing

MetaQuip's FC tube fiber laser cutting machine cuts effortlessly through a wide range of tube and pipe metals such as carbon steel, stainless steel and brass plate. The edges are super tight so that in most cases further finishing is not necessary. The MQ-FC tube can handle pipe lengths of 600cm, and optionally 800cm with pipe diameters from 2-20cm or optionally 2-30cm.

LASER CUTTING	Carbon steel, stainless steel, titanium, galvanized steel, brass plate, etc.
SOFTWARE	Integrated computer with Beckhoff TwinCad 2.0 software
PIPE / TUBES	Length upto 600cm with 2-20cm diameter or optionally 800cm with 2-30cm diameter.
POWER	500W, 1000W, 2000W, 3kW, 4kW, 6kW, 8kW, 10kW
SAFETY	Laser class 3R - safe in all situations without extra protection
CERTIFICATION	CE certified - meets all machine directives



METAQUIP

EXPERTS IN LASERMACHINES

Effortless laser cutting of tube / pipe metals!

The MQ-FC3015 cuts at high speed and with extreme precision through a large number of pipe and tube metals due to the high rigidity and stability of the frame. This machine works with a direct fiber source which ensures high reliability and limited maintenance. Full protective enclosure for maximum safety from laser radiation and moving parts.

CONTENT

- MQ-FC Tube closed fiber laser machine with remote control
- Industrial water cooler
- Product & software manual (NL and EN)

CUTTING GASSES

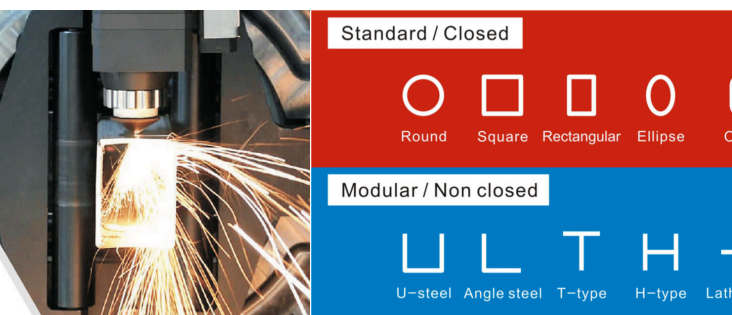
MetaQuip does not supply auxiliary gases, but can advise you.

AIR EXHAUST & FILTERING

The metal vapours released during laser cutting of metals are harmful to health. A good air extraction and filter installation is therefore necessary. The FC Tube has a built-in intelligent extraction system that allows metal dust to be extracted directly and adequately.

TECHNICAL SPECIFICATIONS

- Laser type: IPG, Photonics or Raycus laserbron
- Laser wavelength: 1060 nm
- Laser power: 700W, 1kW, 2kW, 3kW, 4kW, 6kW
- Pipe length: 600cm or 800cm
- Pipe diameter: 2-20cm or 2-30cm
- Bundle size 80 x 80 x 600/800cm
- Max loader weight: 25kg/meter
- Max rotate speed 120r/min
- Repeat position accuracy: +/- 0.03 mm/m
- Max position speed: 90m/min
- Acceleration 1.5g
- Cooling: watercooling
- Work temperature: 0-35 °C
- Power: 16kW, 380VAC 3 fases, 50Hz



WHY CHOOSE METAQUIP?

With honest advice and technical knowledge, we are happy to help you choose the right machine. We test if requested your materials or application.

THE USE

We will of course explain how to use the machine, but we also give special training. Ask about the possibilities and delivery times. .

LASER SAFETY

Your safety is important. The FC Tube fiberlaser is a laser class 3R machine. No additional laser safety measures are required when working with this laser machine. This fiber laser is safe under all circumstances.

SUPPORT

Of course you can always contact us with questions about your machine. We will always help you get back on track quickly. As a customer, you can access manuals, laser software and videos at www.metaquip.nl You can also exchange experiences with other users.

OTHER THINGS?

The people at MetaQuip have extensive technical knowledge. They can also advise or support you in finding new applications, specific solutions or production automation.

WARRANTY & CERTIFICATION

2 year warranty on the machine, 50,000 hours on the laser source (expected lifetime 50,000 to 100,000 hours, depending on the conditions under which the machine is used). CE certified complies with the machine directives, laser safety class 3R.



laser safety class 3R

Main machine features

ADVANCED CHUCK CLAMPING SYSTEM

Automatically adjusts clamping force according to the profile and ensures no damage to thin pipes.

Chucks compatible with a variety of pipe shapes without adjusting jaws saves time.

Long stroke clamp. No adjustment needed for pipe diameters within 100mm.

CORNER FAST CUTTING SYSTEM

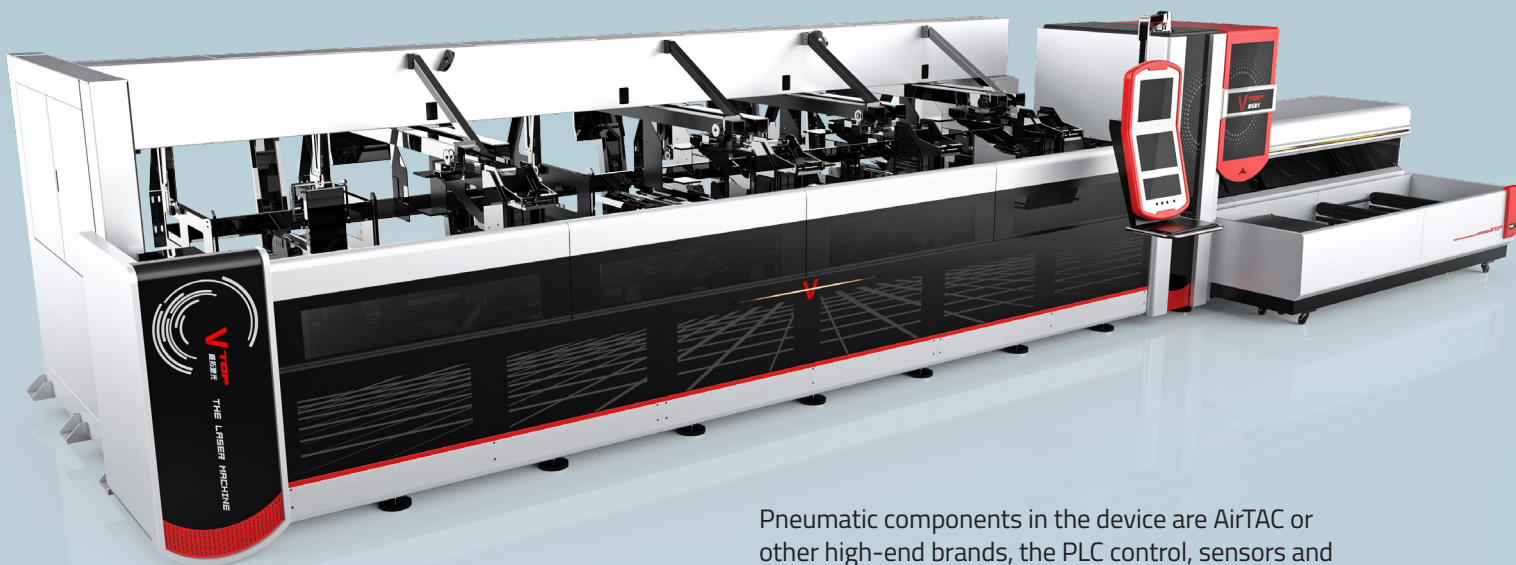
Improved cutting efficiency significantly.

AUTO COLLECT

The floating support device collects finished pipes automatically.

AUTOMATIC BUNDLE LOADER

Round, rectangular and other pipe shapes can be loaded fully automatically without human intervention. Max loading bundle is 80 x 80cm and with a max bundle weight of 2500kg.



Pneumatic components in the device are AirTAC or other high-end brands, the PLC control, sensors and others are Omron, Schneider or other well-known brands. All components used ensure high system stability.

APPLICATIONS

Furniture, display shelves, medical devices, automotive, farming equipment and machinery, bridges, frame structures, ship building, fitness equipment.

MATERIALS

Round, square, rectangular, oval, waist round tube or other metal pipes.

