

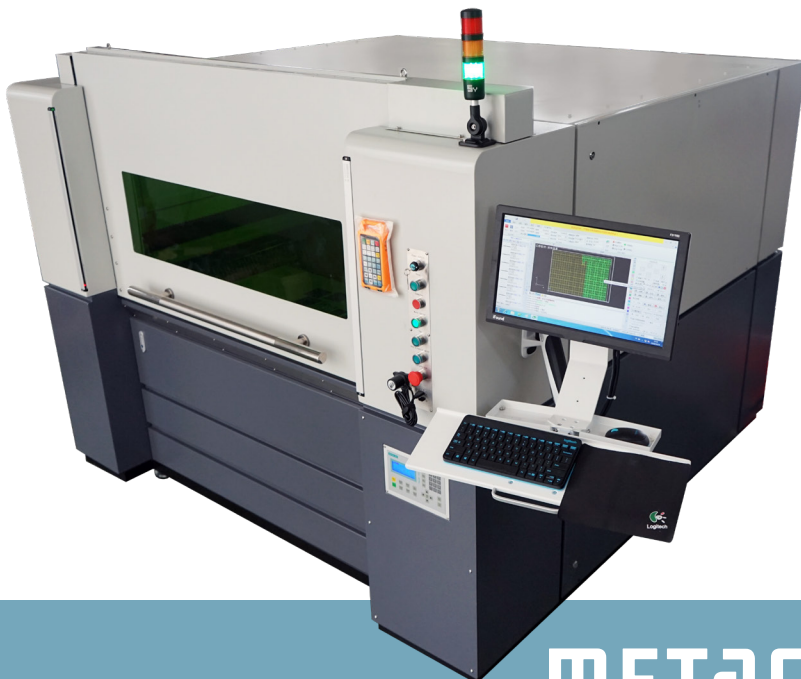


# MQ FC1390 FIBERLASER METAL CUTTER

## Industrial cutting of metal without post-processing

MetaQuip's FC1390 fiber laser cutting machine cuts effortlessly through a wide range of metals such as carbon steel, stainless steel and brass plate. The edges are of high quality so that in most cases further post-processing is not necessary. The MQ-FC1390 has a working surface of 130 x 90 cm, suitable for smaller sheets.

<b>LASER CUTTING</b>	Carbon steel, stainless steel, aluminium galvanized steel, brass plate, etc.
<b>SOFTWARE</b>	Integrated computer with Cypcut laser software
<b>WORK AREA</b>	1300 x 900 mm
<b>LASERPOWER</b>	500W, 750W, 1000W or 1500W
<b>SAFETY</b>	Laser class 3R - safe in all situations without extra protection
<b>CERTIFICATION</b>	CE certified - meets all machine directives



MATERIAL	500W	750W	1000W
Carbon ste	5mm (O <sub>2</sub> )	6-7mm (O <sub>2</sub> )	8-9mm (O <sub>2</sub> )
Stainless steel	2mm (N <sub>2</sub> )	3mm (N <sub>2</sub> )	4mm (N <sub>2</sub> )
Galvanized steel	2mm (N <sub>2</sub> )	3mm (N <sub>2</sub> )	3mm (N <sub>2</sub> )
Aluminium		1mm (N <sub>2</sub> )	2-3mm (N <sub>2</sub> )
Brass	0.7mm (N <sub>2</sub> )	1.2mm (N <sub>2</sub> )	2mm (N <sub>2</sub> )

for copper a higher laser power is required

# METAQUIP

EXPERTS IN LASERMACHINES

# Effortless laser cutting of metals!

The MQ-FC1390 cuts at high speed and with extreme precision through a large number of metals. This machine works with a direct fiber source which ensures high reliability and limited maintenance.

## CONTENT

- MQ-FC1390 fiber laser machine with remote control and integrated PC with Cypcut lasersoftware
- Industrial water cooler
- Product & software manual (NL and EN)

## CUTTING GASSES

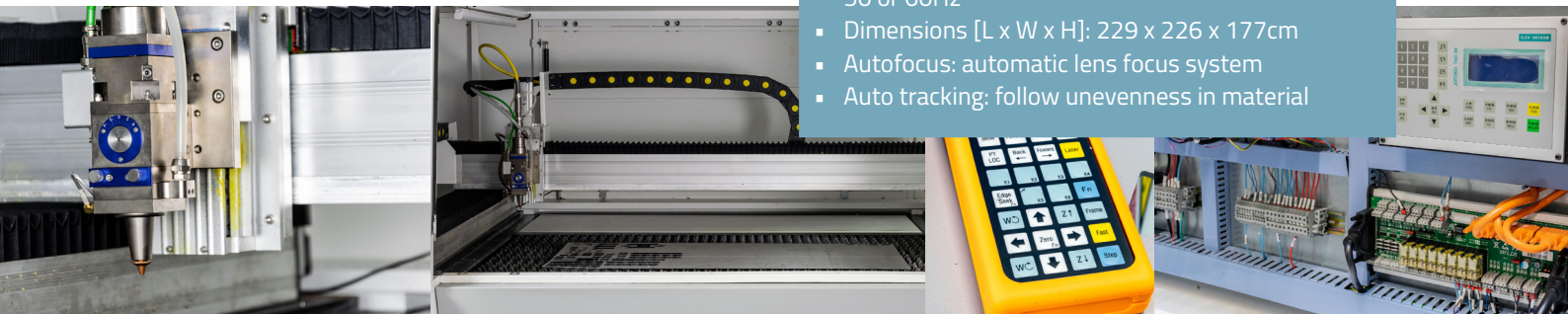
The machine is equipped with computer-controlled pressure controller from SMC to regulate the gas pressure per cut setting. The machine is prepared for N<sub>2</sub> (external pressure control) and O<sub>2</sub> (pressure controlled). MetaQuip does not supply auxiliary gases.

## 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. MetaQuip can advise you and provide you with a suitable solution such as the BOFA AD2000 or AD4000.

## TECHNICAL SPECIFICATIONS

- Laser type: IPG or Raycus lasersource
- Laser wavelength: 1060 nm
- Laser power:
  - 500W cutting upto 5mm (power <7KW)
  - 750W cutting upto 6mm (power <14KW)
  - 1kW cutting upto 8mm (power <18KW)
  - 1.5kW cutting upto 10mm (power < 25kW)
- Working surface: 1300x900mm
- Cutting speed: 0-30m/min (depending of material and thickness)
- XYZ orientation precision < +/- 0.05 mm/m
- XYZ repeatability: < +/- 0.03 mm/m
- Minimal line width <0.15 mm
- Maximal displacement speed: 120 m/min
- Maximal load work bed: 500kg
- Cooling: watercooling
- Work temperature: 0-35 °C
- Power: 220VAC/ single phase, 380VAC 3 phases, 50 or 60Hz
- Dimensions [L x W x H]: 229 x 226 x 177cm
- Autofocus: automatic lens focus system
- Auto tracking: follow unevenness in material



## 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 FC1390 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

You can always contact us with questions about your machine. We will help you get back on track quickly. As a customer, you can access manuals, laser software and videos at [www.metaquip.nl](http://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.

