

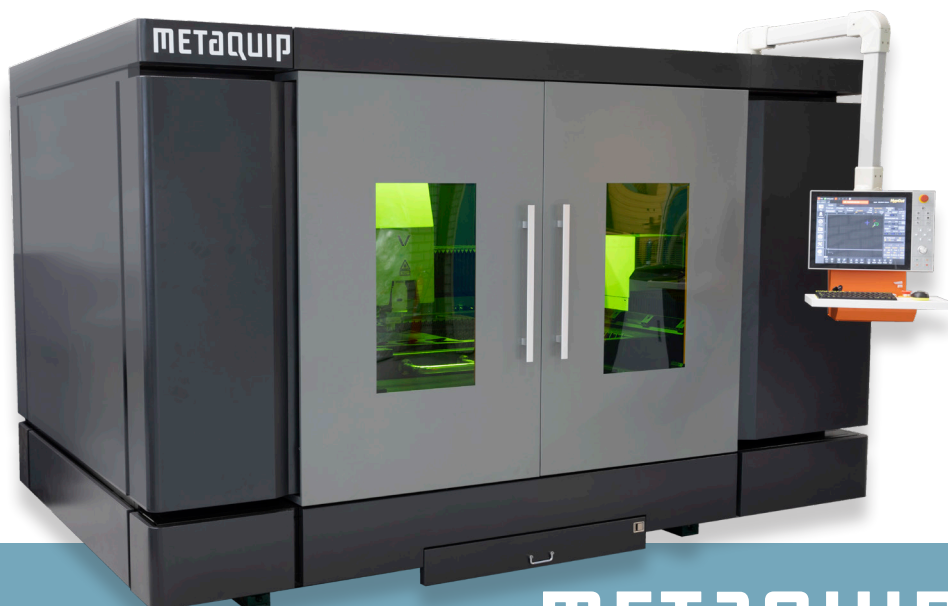


# MQ FC1510 MQ FC2010 FIBER METAL LASERCUTTER

Rapid prototyping, series production. Metal cutting without post-processing.

MetaQuip's FC1510 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-FC1510 has a working surface of 150 x 100 cm. The MQ FC1510 is fully designed by MetaQuip according to European standards. Also available in 200 x 100cm.

LASER CUTTING	Carbon steel, stainless steel, aluminium galvanized steel, brass plate, etc.
SOFTWARE	Integrated computer with touch screen operating Cypcut laser software
WORK AREA	1500 x 1000 mm or 2000 x 1000 mm
LASERPOWER	1kW, 1.5kW, 2kW, 3kw, 4kW, 6kW
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 metals!

The MQ-FC1510 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-FC1510 fiber laser machine with remote control and machine console with Hycut 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: 1kW, 2kW, 3kW, 4kW, 6kW
- Working surface: 1500/2000 x 1000mm
- 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: 380VAC 3 phases, 50 or 60Hz, 16/32A (depending on laser power)
- Dimensions [L x W x H]: 350 x 250 x 240cm
- Weight: 2ton
- Autofocus: automatic lens focus system
- Auto tracking: follow unevenness in material
- Red dot laser pointer: location indicator



## 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 FC1510 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.



laser safety class 3R