



DESKTOP FIBERLASER MACHINE

High resolution laser engraving of precious metals

MetaQuip's fiber laser engraving machines are suitable for laser engraving and marking almost all metals including gold, silver and platinum. Place a name, logo or image quickly and in high resolution on all kinds of jewellery. The desktop model is a compact closed system of laser class 3R. This machine is intrinsically safe without further protection.

LASER ENGRAVING

Laser engraving and marking of metals, such as aluminum, gold, silver and platinum mirrors and some plastics

SOFTWARE

EzCad user-friendly software

WORK AREA

100x100mm and extra lens for 65x65mm

POWER

20W or 30W

FOCUSHEIGHT

Manual setting of the focus height

SAFETY

Laserklasse 3R. No additional safety measures required.

CERTIFICATION

CE certified meets all machine directives



METAQUIP

EXPERTS IN LASERMACHINES

High quality engraving of precious metals

MetaQuip fiber laser engraving machines have long life, high reliability and engraving with high speed and precision. The desktop model gives you a practical and secure solution that fits on any desk. Ideal for jewellery engraving.

CONTENT

- Desktop model fiber laser machine
- Laser software (Win XP/7/8/10)
- Lens for work surface of 100x100mm and 65x65mm
- Industrial air filter (ISO 15012-4:2016)
- Product & software manual (NL & EN)

OPTIONS

- Rotation module
- Computer with lasersoftware

TECHNICAL SPECIFICATIONS

- Working area: 100x100mm or 65x65mm
- Laser type: pulsed, high-energy Raycus laser
- Laser wavelength: 1064 nm
- Repeat frequency: 20-100 kHz
- Laser power: 20W or 30W,
- Minimum spot diameter: 0.01 mm
- Minimum line width: 0.01 mm
- Linear marking speed: 0-12000 mm/s
- Character engraving speed: > 800 characters/sec
- Repeatability +/- 0.001 mm
- Marker depth: 0.01 - 1 mm
- Cooling: air cooling
- Supply voltage: 230 Vac +/- 10%, 50-60 Hz
- Machine Power Output: <500 W
- Housing: closed desktop model with integrated control and laser source
- Dimensions [W x D x H]: 45 x 72 x 60cm
- Temperature: 13-28°C (work), -40-70°C (storage)
- Fonts: TrueType, SHX, JSF (Single line), DMF (Dot Matrix), 1D / 2D barcode
- Variable text: yes for automatic recording
- Link: read data via MS Excel, serial port or network
- Drawing of simple figures and curves
- Image formats: bmp, jpg, gif, tga, png, tif ...
- Vector formats: ai, dxf, dst, plt...



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. Closed fiber laser machines are laser class 3R machines. No additional laser safety measures are required when working with this laser machine. Closed fiber lasers are 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

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