



MQ-FBS50

# LASER LABEL ENGRAVER

**Laser marking of self-adhesive security labels & stickers**  
**Perfect durability - Permanent - High Contrast & Resolution**

MetaQuip's MQ FBS50 Laser Label Engraving Machine is for laser engraving Nippon AX series self-adhesive foils. With this technology industries have a complete solution to create labels or stickers showing text and signs that remain flawless for many years, providing excellent durability.

## LASER MARKING

Nippon Carbide Industries AX series self-adhesive foils. High contrast. High resolution

## FLEXIBLE DURABILITY

On demand label & sticker printing within minutes  
Labels withstand high temperatures. Resistance to water and chemicals. Ideal for use in extreme and harsh environments

## SAFETY CERTIFICATION

Laserclass 1 - safe in all conditions without extra measures  
CE certified - complies with all machine directives



# METAQUIP

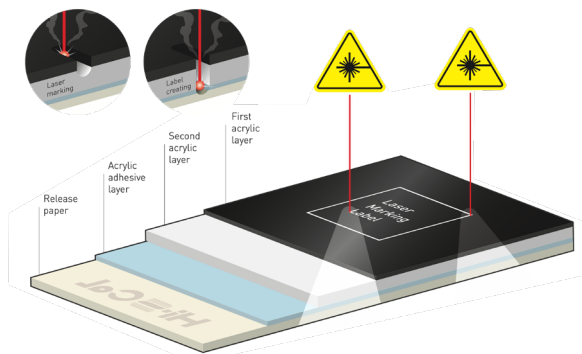
EXPERTS IN LASERMACHINES

## LASER STICKER ENGRAVER

- MQ FBS50 Laser Label Engraver with integrated control and touchscreen display
- Industrial air filter (complies with ISO 15012-4:2016)
- Product & software manual (EN)

## SELF-ADHESIVE LABEL/STICKER FOIL

- Brittle double layered acrylic films.
- Permanent and secure bond to a variety of carrier materials.
- Colors: black on white, silver on black, white on black, clear on black.
- Characteristics: outstanding heat and chemical resistance with good durability. Brittle to prevent peel-off and counterfeiting.



## TECHNICAL SPECIFICATIONS

- Workarea: 100x100 mm
- Laser type: pulsed, high-energy Raycus laser
- Wavelength laser: 1064 nm
- Repeat frequency: 20-100 kHz
- Laserpower: 30W
- Minimal spot diameter: 0.01 mm
- Minimal linewidth: 0.01 mm
- Linear marking speed: 0-12000 mm/s
- Character engraving speed: > 800 characters/sec
- Repeatability +/- 0.001 mm
- Marking depth: 0.01 – 1 mm
- Cooling: air
- Power supply: 230 Vac +/- 10%, 50-60 Hz
- Machine Power: <500 W
- Dimensions [B x D x H]: 50 x 60 x 90 cm
- Housing: closed cabinet, sticker feed through transportation
- Temperature: 13-28°C (work), -40-70°C (storage)



## APPLICATIONS

Automotive (fuel cap, center B post, engine, fender, dashboard, front-end). White goods, PCBs. All types of devices that can come in contact with heat, water or chemicals.

## LASER MARKABLE LABELS

The laser engraving shows no blurring or fading. The laser can be used for laser marking. Create custom labels in seconds. The same laser is used to cut the label.

## LASER SAFETY

Your safety is important. The laser sticker engraver is safe under all circumstances. When opening the machine, certified safety switches ensure that the machine is switched off immediately. This way your eyes can never be exposed to harmful laser light. This laser machine is class 1.

## 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](http://www.metaquip.nl) You can also exchange experiences with other users.

## OTHER THINGS?

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

## WARRANTY & CERTIFICATION

Machine warranty: 2 years, 50.000 hours on the laser-source (expected lifetime 50.000 till 100.000 hours), depending on use conditions. CE certified meets the machine guidelines. Laser safety class 1.

