Moblaser

Mobile hand-held laser marker

Mobile fiber laser system for marking of large equipment that would not fit into traditional marking systems. Optimized compact design makes possible to move the laser to any location, and one person can easily manage with the laser.

To be transported the entire system is packaged into 2 suitcases, and common weight is only about 27 kg!

The output power range from 10W to 50W allows to handle any material with high performance and quality.

Special safety viewing window and a red diode laser pointer help to position the image precisely on the product and control the marking process.

Our PC-controlled system is safe and easy to use. It requires practically no maintenance, needs only 200 W of electric power and obtains the lowest operating cost available.

Enjoy the advantage of the latest laser technology with our **MOBLASER** marking system!

Materials:

- Any metals and alloys
- Coated and galvanized metals
- Hard alloys
- Plastics (ABS, PC, PVC, PE ...)
- Rubber
- Painted surfaces

Industry:

- Aviation and aerospace
- Mold production
- Metal fabrication
- Chemical machinery
- Food machinery
- Pipe production
- Nuclear
- Automotive
- Warehouses & many more!

Engraving a permanent ID on a vehicle body

Large bearings marking

Marking of steel pipes

Specifications:

Laser:
- Type - ytterbium fiber laser
- Wavelength –1,06…1,07 um
- Pilot laser diod – 0,635…0,680 um
- Nominal power – 10, 20, 50W
- Pulse repetition rate – 20 ... 100 kHz
- Pulse duration - 100 ns
- Maintenance-free operation - up to 100,000 hours MTBF

Marking head:
- Marking field - 100x100 mm; 70x70 mm
- Weight - approx. 6 kg
- Output fiber delivery length - standard 3 m
- Integrated beam expander and optical isolator
- Viewing safety window
- Mini exhaust fans

Power and control unit:
- Operating voltage - 220V AC
- Power consumption - 200W
- Air cooled
- Robust plastic case with integrated computer
- Weight (approx.) - 22 kg

L Designer© software
- User friendly WYSIWYG graphical editor
- No programming needed
- Creating, importing and managing of vector *.dxf and *.svg files
- Smart filling of closed vector paths
- Importing and managing of raster (multiformat) graphics
- Alphanumerics, TrueType and editable stroke fonts, serial numbers, ID data, automated bar codes and 2D codes, time&date
- Working parameter set library
- & many more!

Typical speed of marking (for 20W laser):
- steel – 150...500 mm/s
- anodized aluminium – 300...800 mm/sec
- plastic - 400...1500 mm/sec
- hard alloy - 150...500 mm/sec
- brass - 100...300 mm/sec

Applications:

- Normal marking, Precision marking

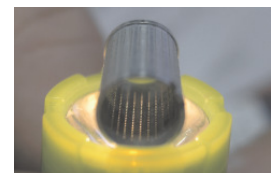- Surface cleaning

- Deep engraving, 3D -engraving

- Micro-drilling

Option:

- Stationary marking stand