

## The Cost-effective Choice

All-in-one marking and engraving laser system with integrated PC and software-based variable focal length.



## Compact Marking Laser. Compact Price.

With the MAG COMPACT Laser, OR Laser presents a new concept of marking and engraving laser systems. As a more economic alternative with 10W laser power, built-in PC and software-based variable focal length, the all-in-one laser marking performs work on small components efficiently and reliably. This offers new options to users such as in the jewelry industry or the processing of electronic components.

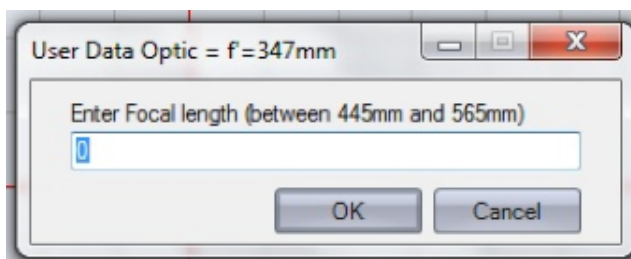
The compact design of the MAG COMPACT allows it to easily integrate into any working environment. The power supply, the laser source, the complete optics and a PC for control functions fit into a compact housing. The laser can be secured in a number of

ways in different positions and thereby also be used in vertical production procedures. The system with 10W power and a peak power of 5.0 kW allows the marking of plastics and many metals at high speed.

The marking field has, depending on the focus adjustment, a minimum size of 55 mm x 55 mm. The PC can be controlled via a remote desktop from another system on the network

(Ethernet port available on the housing) or even wirelessly via appropriate suitable tablet using a built-in wireless connection. Alternatively, directly via the PC in the system by connecting the monitor, keyboard and mouse to the housing.

The variable focus adjustment is done using a special scanning software adapted to the particular lens. This allows the specification of different focal lengths for each application.





Dimension: L 455 mm x H 276 mm x W 190 mm  
Weight: 16 Kg

### MAIN APPLICATION OF MAG-COMPACT:

- Production lines with different component heights
- Small components such as jewelry industry, electronic components
- Low budget applications

## Technical data

Laser	<b>MAG-10</b>
Laser type	Yb: YAG
Mean Power	10 W
Wavelength	1067 nm
Beam quality	$M^2 < 1.3$
Stability (over 5 hours)	< 2%
Modulation	20-100 kHz
Pulse width	100 ns
Max. power	5 kW
Pulse energy	500 $\mu$ J
Optic	
Typ F-Theta lens	160 mm
Min. Focus diameter	500 $\mu$ m
Min. marking field size	55 mm x 55 mm
General	
Power connection	230 V
Power rating	max. 700 W
Cooling	Luftkühlung
Ambient temperature	5–40°C
noise emission	< 75 dB
PC connections	2xUSB, 1xHMDI, 1xEthernet
Dimensions and weight	
Dimensions	T 455 x H 276 x B 190 mm
Weight	16 Kg

## Application examples



Neoprene



Rubber string



Anodized Aluminium



Ceramics



Plastics



Reflecting areas

# wORLD of LASER



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