

# **deng-30**

## ***OEM Laser engraver for metal and plastics***



**deng-30** - a high performance OEM laser engraving building block based on the innovative fiber laser technology.

The concept of the **deng-30** system is providing maximum flexibility in system design. A single mechanical platform supports laser power from 10W to 50W with tailored beam geometry accordingly the requirements of the application.

Dependent on system configuration, the field size of the marking area covers a range from 3cm<sup>2</sup> to 256cm<sup>2</sup>.

One of main parameters, regarding marking quality, is the focus diameter. The focus is built by optical components forwards the application. Adaption of the system to new requirements is accomplished by trained personnel within short time.

The nanoRay software includes the laser control module. It provides also possibilities for layout generation, the optimization of laser parameters and integration of the **deng-30** into the production process. The programming interface of the software enables system integration in complex production processes. For small applications, the laser controller is able to operate "stand alone", without any PC support.

## class 4 laser system

## data sheet

***reliable · flexible · economical***

### System Components:

- Fiber laser based beam generator
- X/Y scan head configurable for
- field sizes from 60mm x 60mm to 160mm x 160mm
- Beam aperture from 4 - 6 mm

### Technical data

#### Mechanical ratings:

- Laser Generator:  
Dimensions (WxHxD): 483 mm x 177mm x 470 mm  
Weight: 20 kg
- Scanhead:  
Dimensions (WxHxD): 520 mm x 200 mm x 140 mm  
Weight: 8.5 kg

#### Electrical ratings:

- Voltage supply: 100V - 240V AC
- Power draw: < 300 W
- Interfaces: USB 2.0

#### Operating conditions:

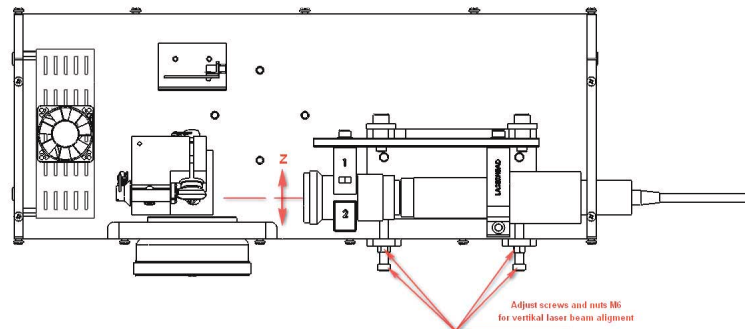
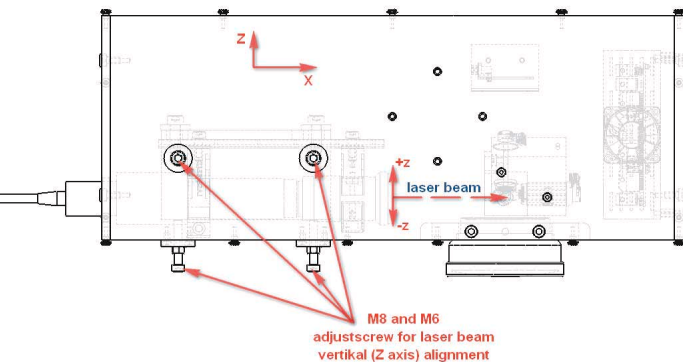
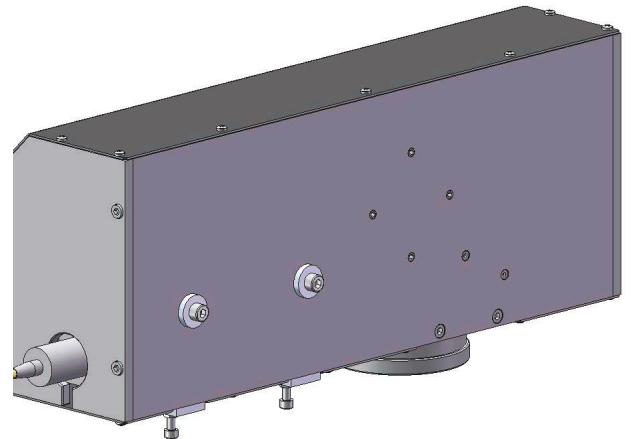
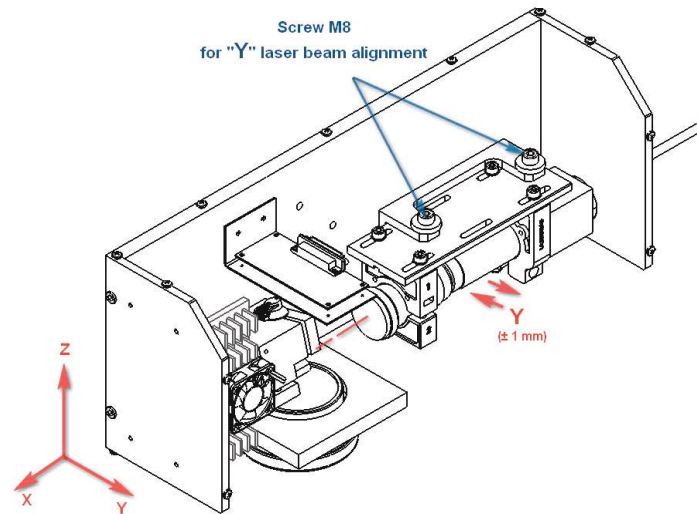
- Ambient temperature: 15°C - 35°C
- Humidity: 35% - 75% relative humidity, non-condensing
- Height: < 2.500 m

#### Laser module:

- Laser output: 10 - 50W Fiber laser
- Wave length: 1055 nm - 1075 nm.
- Laser Class: 4

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