

A new way of repairing

Fast and economic: On-site repair welding



The advantages of the diode-pumped laser **DIODELINE**

Average power of 300 W peak power of 3 kW and maximum energy of 30 Joules



Other highlights:

- No water cooling
- Easy socket connection is enough
- Operation in pulse mode and cw mode
- Excellent and stable beam quality

Technical data

DIODELINE		
POWER	TYP: 160 W	TYP: 300 W
Lasertyp	diode-pumped	diode-pumped
max. mittlere Leistung	160 W	300 W
Pulsspitzenleistung	1,5 kW	3 kW
max. Pulsenegie	15 J	30 J
Pulsdauer	0,4 - 50 ms	0,1 - 50 ms
Pulsfrequenz	0,1 - 100 Hz	0,1 - 100 Hz
Fokuspurchmesser	0,2 - 0,8 mm	0,1 - 2,0 mm
Netzspannung (V/Ph/Hz)	230/1/ 50	230/1/ 50

SYSTEM EQUIPMENT

Laser system

- 10" Touchdisplay
- Mains isolator
- Emergency stop
- Interface with hardware monitoring function
- Lamp switch
- Industry controller for setting and display of power, pulse duration, pulse repetition frequency with external trigger via footswitch
- Air cooling system
- Shielding gas supply direct
- Video Interface
- Variable beam expansion
- Camera 5 x
- distance sensor
- LED lighting

Dimensions and weight

Dimensions: width 420 mm x height 500 mm x length 636 mm

Weight: 40 kg net