

CL 20

Micro System Laser

Laser systems

Backpack

CL 20

CL 150

CL 300

CL 500

CL 1000

Workstation



- Laser system for precise cleaning of sensitive surfaces
- Will not damage metallic surfaces
- Diode pumped solid-state laser
- Very quiet air cooled system
- Large operating distance (up to 500mm)
- Average laser power up to 20watt
- Laser class 4 product

1D- as well as 2D-operation possible

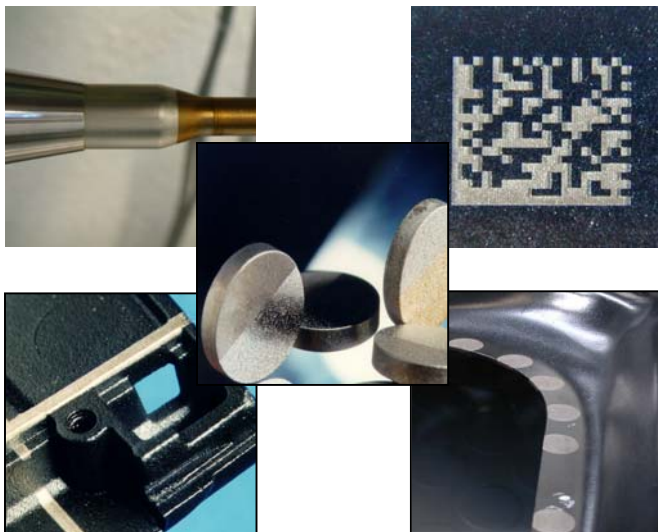
Laser optics available



- Laser optics OS A 20 and OS H 20 (optional with F-Theta objective)
- 2D laser optics Stamp for complex geometries (ovals, barcodes)



Application examples



- Cleaning of small areas
- De-coating
- Marking
- Pre-treatment for adhesive bonding
- Restoration and Conservation
- Rust removal
- Highly precise paint-stripping of metallic surfaces

Technical Data

Overview

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Matching optics:

OS H 20

OS A 20

Stamp 7

Standard system features:

CL 20

- ▶ CL 20 Laser Unit
- ▶ Very quiet cooling system
- ▶ External or internal remote control
- ▶ Laser optics with large operating distance (up to $f = 250$)
- ▶ Fiber up to 4m providing high flexibility

Options:

- ▶ Battery Pack
- ▶ Integrated laser pointer

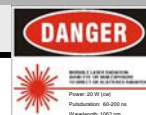


The CL 20 laser system is very compact and enables the treatment of small areas at a very competitive price. The laser source is nearly maintenance-free and allows a cw-performance of 20watt. It is equipped with a q-switch enabling a pulse peak power of up to 5kW to be achieved. It can be used in small-scale cleaning processes, selective pre-treatment for adhesion, or parts marking.

The laser system consists of a basic unit (19" plug in board 4HE), an optical light guide fiber and a processing head. The basic unit houses the controlling system, cooling system, and beam source. A simple mains supply powers the operation. No other media is needed for treating parts.



CL 20	Technical Data
Running Cost per hour	0,30 €
Size (d x w x h) [mm ³]	Approx. 650 x 483 x 175 (19" / 4 HE)
Weight (approx.) [kg] (with optics)	27 kg (~28lb)
Cooling system	Internal air cooling system
Specified laser power of the beam source [W]	20
Wavelength [nm]	1062
Power supply	110 V / 230 V
Maximal power consumption [W]	400
Minimum / Maximum ambient temperature [°C]	5 - 32
Humidity [%]	10 - 95
Laser class	4



Subject to technical changes