

# CL 20

## Micro System Laser

Backpack  
**CL 20**  
 CL 50  
 CL 80 SP  
 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

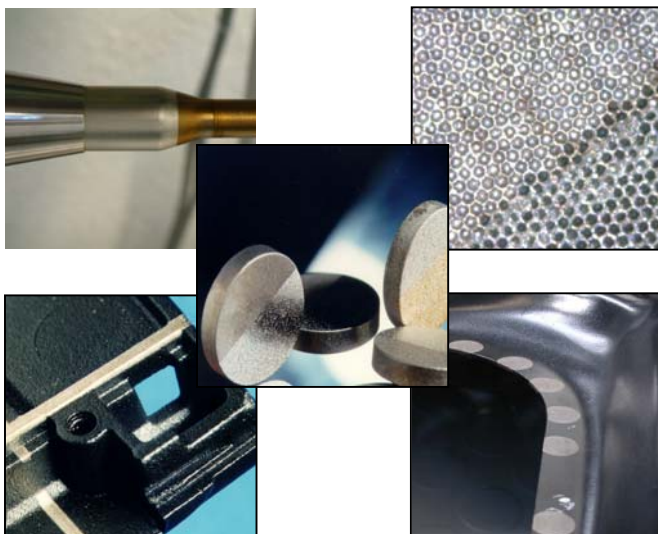
1D- as well as 2D-operation possible

### Laser optics available



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

### Application examples



- In-line baking plate cleaning
- Cleaning of small areas
- De-coating
- Cleaning of print cylinder
- Pre-treatment for adhesive bonding
- Restoration and conservation
- Rust removal
- Highly precise paint-stripping of metallic surfaces



# Technical Data

## Overview

### Laser systems:

Backpack

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Workstation

### 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:

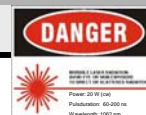
- ▶ Battery Pack
- ▶ Integrated laser pointer

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 precise cleaning.

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 <sup>3</sup> ]	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