

CL 20 Backpack

Mobile Compact 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
- No damage to metallic surfaces
- Diode pumped solid-state laser
- Wireless battery powered operation possible (optional)
- Very quiet air cooled system
- Large operating distance (up to 250mm)
- Average laser power up to 20watt
- Laser class 4 product

Laser optics available



- Laser optics OS H 20 (optional with F-Theta objective)
- 2D laser Stamp optic for complex applications



Application examples



- De-coating of small areas
- Oil and grease removal
- Sandstone cleaning
- Restoration and Conservation
- Mobile marking
- Precision paint stripping
- Pre-treatment for adhesive bonding and coating processes

Technical Data

Overview

Laser systems:

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Matching optics:

OS H 20
Stamp 7



Backpack-Laser in action – No external supply necessary

Fiber coupled laser optics, integrated control and cooling unit



Standard system features:

CL 20 Backpack

- ▶ CL 20 Laser Unit
- ▶ Power supply pack (charger & battery)
- ▶ Backpack-Package
- ▶ Laser optics with large operating distance (up to 250mm)
- ▶ Fiber 2m providing high flexibility

Options:

- ▶ Additional battery pack
- ▶ Integrated laser pointer
- ▶ 2D Package with Stamp optic

Whether it's an Egyptian burial chamber* or other difficult to access areas, the backpack laser goes almost everywhere. This laser system is battery powered and cleans, de-coats, or labels even in confined spaces. The system offers a diode pumped laser source with a performance of 20watt. The system is equipped with a comfortable support frame which allows work for extended periods.

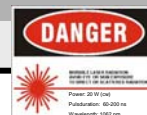
Based on its performance, this laser is well for small area treatment. If you do not have access to local power sources the laser system is mobile and can be operated using its battery pack.

* For details see <http://www.neferhotep.de/laserreinigung.htm>



CL 20 Backpack	Technical Data
Operating cost per hour	\$ 0.40
Size (h x w x d) [mm³]	Approx. 240 x 200 x100
Weight (approx.) [kg]	12 kg (~13lb) incl. rechargeable battery pack
Cooling system	Internal air cooling system
Specified laser power of the beam source [W]	20
Wavelength [nm]	1062
Power supply (incl. quick charger)	24V DC / 110V AC / 230V AC
Maximal power consumption [W]	200
Minimum / Maximum ambient temperature [°C]	5 – 40
Humidity [%]	10 – 95
Laser class	4

Subject to technical changes



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