

CL 300

New Generation Cleaning Laser

Lasersysteme

Backpack

CL 20

CL 150

CL 300

CL 500

CL 1000

Workstation

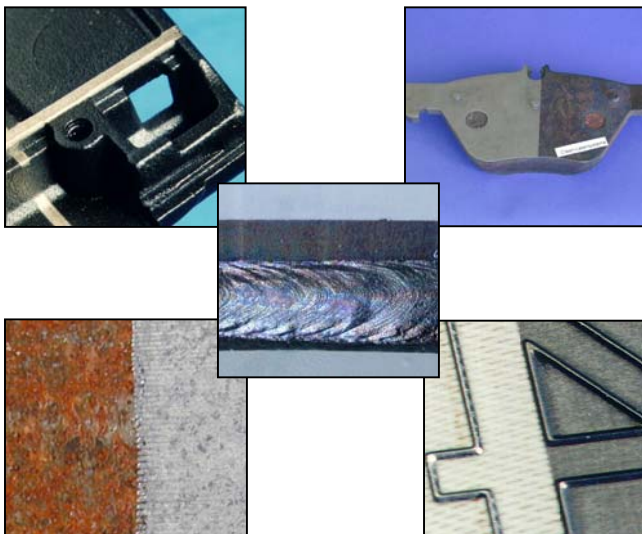


- **300 W average power (CW)**
- Pulse power up to 250 kW
- Diode pumped beam source
- μ C-based controls
- Field bus-communication for automated processes
- Air or water cooled version
- Available beam switch
- Designed for heavy-duty industrial applications
- Laser Class 4 Product

Laser optics available



Application examples



- Pre-treatment for adhesive bonding
- Complete coating removal
- Selective paint removal for weld inspection
- Precision mold cleaning
- Roughening of metallic surfaces
- Removes oxides, oil, grease & production residues
- Many more!

Technical Data

Overview

Laser systems:

Backpack
 CL 20
 CL 150
CL 300
 CL 500
 CL 1000
 Workstation

Matching optics:

OS A 70
 OS H 70
 Stylus
 Stamp 14



Standard system features:

CL 300

- ▶ Cooling system air-water
- ▶ Diode pumped laser module
- ▶ Stylus type laser optic
- ▶ Fiber (length: 10m)

Options:

- ▶ Beam switch with 2nd laser optic
- ▶ Water-cooled optic
- ▶ 2D-Package (PC, software Scan2D and optics Stamp 14)

The CL 300 is a high-powered, diode pumped, 300watt, solid-state laser. This unit is ideal for the precise cleaning and de-coating of industrial parts. It uses short pulsed laser light to effectively clean and pre-treat surfaces for adhesive bonding or other processes. It does so with power, controlled emissions, and without damaging the substrate. This laser can selectively remove coatings with remarkable accuracy and speed. It efficiently cleans tools, molds, and other valuable surfaces, while eliminating challenging production residues. Its can be operated manually and in a fully automated fashion for a wide-range of applications.

The CL 300 has a diode pumped laser source for high-performance, highly reliable, near maintenance-free operation. This internally-cooled and self-contained laser consumes no media and does not generate secondary waste. It is easy to setup and operate.



CL 300	Technical Data
Operating cost per hour	\$6.50
Size (l x w x h) [mm ³]	1550 x 750 x 1160
Weight (approx.) [kg]	200
Cooling System	air-water optional water - water
Specified power of the beam source [W]	320
Wavelength [nm]	1064
Power supply (German vision)	3 x 16A
Maximum power consumption [kWh]	6
Minimum / Maximum ambient temperature [°C]	10 / 36
Humidity [%]	< 90, non-condensing
Laser class	4

Subject to technical changes