

CL 300-AF

Lasersystem

CL 300 AF

New Generation Aircraft Cleaning Laser



- **300 W average power (CW)**
- Pulse power up to 250 kW
- Diode pumped beam source
- **Motion Distance Sensor**
- Field bus-communication for automated processes
- Air cooled version
- Designed for on aircraft applications
- 60 ft fiber
- OSH 50 optic
- Laser Class 4 Product



OSH 50 with Motion Distance Sensor



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Technical Data

Lasersystem

CL 300 AF

Standard system features:

CL 300-AF

- ▶ Cooling system air-water
- ▶ Diode pumped laser module
- ▶ OSH 50 optic
- ▶ Fiber 60 ft
- ▶ Motion Distance Sensor



CL 300 AF	Facility Requirements
Electric	480V, 3-Phase, 20A
Compressed Air	80 psi
MSRP - GSA	\$ 356,892.80

The CL 300-AF is a high-powered, diode pumped, 300watt, solid-state laser with a motion-distance sensor. This unit is ideal for the precise cleaning and de-coating of aircraft 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.

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	<\$1.00
Size (l x w x h) [in]	62 x 30 x 47
Weight (approx.) [lbs]	440
Cooling System	air-water
Specified power of the beam source [W]	300
Wavelength [nm]	1064
Power supply	480 V, 20 A
Maximum power consumption [kWh]	6
Minimum / Maximum ambient temperature [°C]	50 / 97
Humidity [%]	< 90, non-condensing
Laser class	4

Subject to technical changes



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CL 1000 AF

High Power Cleaning Laser



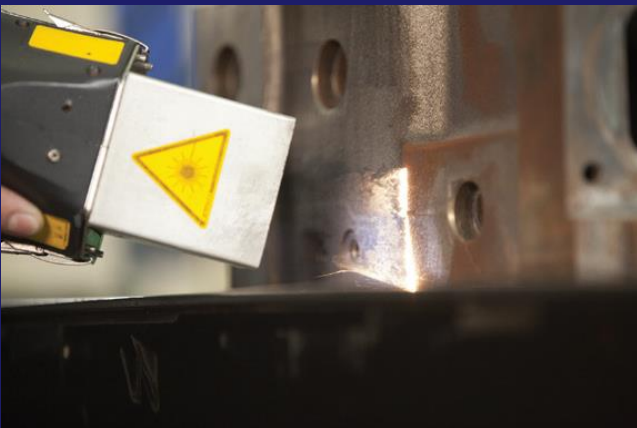
CL1000 Mobile Cart Setup



OSH80 Optic

- 1000 Watt Average Power
- Diode-Pumped Beam Source
- On-Board Integrated PC For Process Control, Data Storage, Communications
- Self-Contained & Mobile
- Real-Time Laser Control
- Touch Screen Display Of Laser Parameters
- Remote Access Capability
- 60' Fiber
- Integrated Outlet For HEPA Filter Unit
- Laser Class 4 Product

Application Examples



- AGE Maintenance
- Paint Removal
- Pre-Coating Surface Preparation / Contaminant Removal
- Cleaning Of Large Molds
- Weld Seam Pre-Treatment
- Fast Cleaning Of Oily Surfaces
- Rust/Oxide Removal
- Nuclear De-contamination



Technical Data

Lasersystem

CL 1000 AF



Standard System Features:

- ▶ Cooling System Air-water
- ▶ Diode Pumped Laser Module
- ▶ OSH 80 Laser Optic
- ▶ Fiber 60 Ft

CL 1000 AF	Facility Requirements
Electric	480V, 3-Phase, 20A
Compressed Air	80 psi
MSRP - GSA	\$ 534,317.20

The CL 1000 AF delivers amazing performance with an average power of 1000 Watts. The laser system features a diode-pumped laser source, which makes it reliable and virtually maintenance free.

The CL 1000 AF is easy to set-up and operate. It requires no gas or other consumables. Plug it in, turn it on and start cleaning / de-coating with laser light – without chemicals, media, dust or water and no clean-up!

Typical applications include small area paint removal, corrosion removal, prep for weld inspection, hazardous paint removal, nuclear decontamination, etc.

All necessary safety equipment and training can be provided upon request.

CL 1000	Technical Data
Size (l x w x h) [in]	63 x 30 x 50
Weight (approx.) [lbs]	1080
Cooling System	air-water
Specified power of the beam source [W]	1,000
Wavelength [nm]	1064
Power supply	480 V, 20 A
Maximum current, incl. filter unit	18 A
Minimum / Maximum ambient temperature [°F]	50 / 97
Humidity [%]	< 90, non-condensing
Laser class	4

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