

LASER CLEANING

Use only light to clean components and workpieces. Pulsed laser radiation cleans all metallic materials in a gentle and environmentally friendly way.

EASY HANDLING

After a short instruction and training (online or on-site), you can start immediately. The lightCLEANER can be operated intuitively via touch display. The working head is designed in an ergonomically way and simplifies the guidance of the laser beam across the component surface.

PRICE-PERFORMANCE-WINNER

The continuous development of our products and international manufacturing capacities make us a strong partner with enormous cost advantages for our customers.

lightCLEANER *mobile* Line -P



- The systems of our lightCLEANER mobile Line are available in different power levels precisely to your application.
- You have the choice between 100 W up to 100 W average laser output power.
- Easy operation via touch display.
- Air cooled up to 300 W laser power.
- Recipe management and quick selection jobs.
- Lifelong advice and service via our hotline or field staff.

Our hand-held laser systems are specially developed and produced for mobile use in workshops, industrial plants, production and manufacturing facilities.

Dirt, oxides and coatings are vaporised by repetitive laser pulses without damaging the substrate. Due to the very short laser pulses (a few nanoseconds), only very little heat conduction occurs inside the material during the process.

Another advantage of our laser technology is the absence of abrasive materials and additives (no particles, no chemicals, no carry-over).

With our mobile devices you have the possibility to make simple parameter settings. Depending on the material and the top layer to be removed, laser power (10% - 100%), scanning speed, scanning width and pulse frequency can be set.

The occurring laser smoke is extracted and filtered via an extraction system.

We offer lifelong advice and service via our hotline or field staff.

We will be happy to advise you on the optimum configuration of your laser system.

TECHNICAL SUPPORT

Should you ever have a technical problem with your unit, one of our service technicians can be reached quickly by hotline and will help you in an uncomplicated manner. Any necessary repairs will be carried out in our service workshop.

LEASING

We would be happy to create an individual leasing plan for you from a term of 2 years.

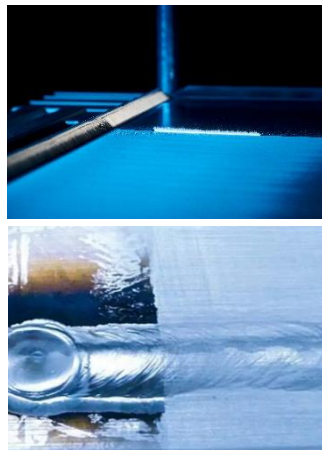
GREEN TECHNOLOGY

Laser technology replaces chemical methods, cleaning with CO₂-snow blasting or particle beam in many areas.

If you would like to receive more information about our products or services, please visit our website on:

www.socr.de

Laser surface treatment



In addition to classic laser cleaning, our devices can also be used for a variety of other applications. For example, if you want to prepare your surface for subsequent coating or joining processes, you can easily do this with our laser cleaning systems.

Even the targeted removal of annealing colours after welding can be done without the use of chemical processes. The laser enters only a few nanometres deep into the material and thus gently removes the discolouration..



Advantages

- No blasting agents and chemical cleaning agents
- Environmentally friendly and resource-saving
- No solvents (climate protection)
- No distribution/mixing of blasting material and removed particles
- Saving masking materials
- No consumables are needed
- Minimal running costs
- Extremely low-maintenance and long-lasting

AVAILABLE SERVICES





Technical support
Delivery
Repairs
Application support
Leasing models
Guarantee

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Technical specifications*

	lightCLEANER –mobile 300	lightCLEANER –mobile 300-10	lightCLEANER –mobile 500-50	lightCLEANER –mobile 1000-50
Laser power	300 W	300 W	500 W	1000 W
Wave length	1064 nm	1064 nm	1064 nm	1064 nm
Laser type	Pulsed (1 mJ)	Pulsed (10 mJ)	Pulsed (50 mJ)	Pulsed (50 mJ)
Cooling	Air	Water	Water	Water
Supply voltage	Single-phase 220 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
Length of fiber	5 m (Opt: 10 m)	5 m (Opt: 10 m)	5 m (Opt: 15 m)	5 m (Opt: 15 m)
L x W x H	(1200 x 850 x 1250) mm	(1480 x 750 x 1160) mm	(1480 x 750 x 1160) mm	(1480 x 750 x 1160) mm
Weight	110 kg	190 kg	260 kg	280 kg
Figure				
Price, net	On request	On request	On request	On request

Status: 2023 *subject to change without notice