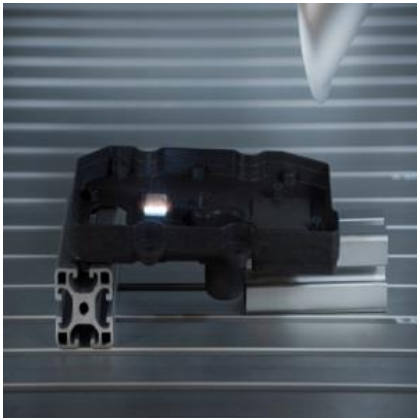


PAINT REMOVAL AND DECOATING WTH LASER LIGHT

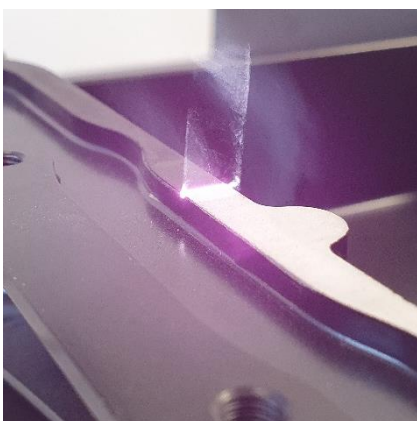


- Partial or large-area paint removal
- Selective or all-over decoating
- High process speed can be achieved, especially with thin coatings
- Without damaging the base material
- Gentle, precise and residue-free without additional process steps

Metals reflect laser beams and are therefore particularly suitable for “blank lasering”. Light-absorbing layers and coatings are instantaneously vaporized by the focused laser beams. This happens lightning fast without causing any damage to the base material. This means that chemicals, abrasives or mechanical methods can be entirely avoided. The ecological and economic potential for optimization is just as high as the sustainable increase in cleaning quality.



cleanLASER operate with spot accuracy, thus making time-consuming works superfluous. In addition, it is often possible to selectively ablate only the topcoat, preserving the primer coat on the base material. The coating can also be completely removed down to the carrier/substrate by means of an appropriate laser system. As demanding certifications carried out by our customers in the aerospace and automotive industries have confirmed, even particularly sensitive workpieces can be decoated without damage.

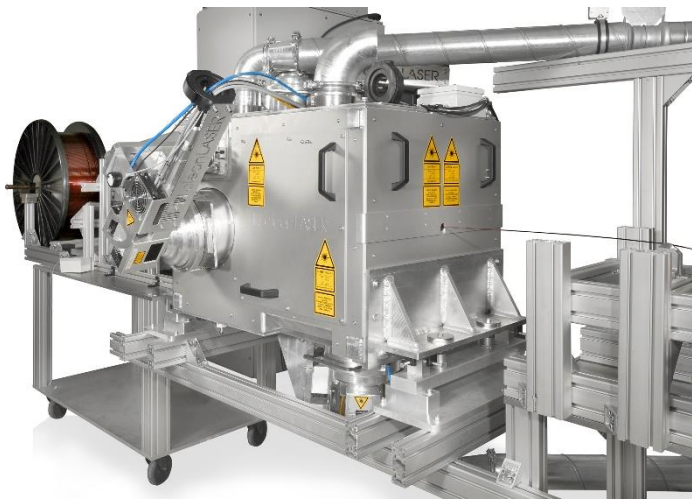


Turnkey cleanGANTRY system for processing large components (e.g. battery trays and covers)

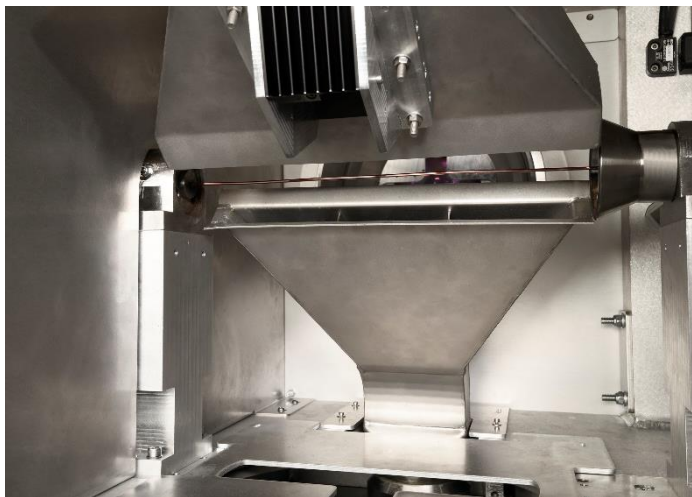
PARTIAL OR LARGE-AREA PAINT REMOVAL AND DECOATING

The cleanLASER can be used to decoat both selective areas or large surfaces, whether in the setting of industrial production indoors or in the working environment outdoors.

We will be happy to advise you which laser system is the best solution for your application and will carry out an initial free test for you.



4X laser wireLINE DIRECT for precise decoating of copper wire in the automotive



wireLINE DIRECT interior view: wire management and process-optimized suction solution

2021. Subject to technical changes

We offer modules for a wide range of requirements, from 20 watt low power lasers to 1,000 watt high power units. In combination with the flexible fiber optic cable and the matching processing optics, any application can be customized to be as economical and efficient as possible.

APPLICATION EXAMPLES

- Creation of ground contact points and surfaces
- Partial decoating for soldering and welding pre-treatment
- Damage-free, local unmasking of weld seams for purposes of examination
- Ablation of anodized coatings and vapor deposition layers (also from glass)
- Selective decoating and activation for bonding on the residual coating layer
- Partial paint removal for adhesive pre-treatment
- Decoating of copper wire (hair pins) for the automotive industry in stator production
- Decoating of paint skins with paint layers < 100 µm in the area of the part support
- Removal of printings and markings

PLEASE CONTACT US – WE ARE HAPPY TO ADVISE!

 cleanLASER
cleaning with light