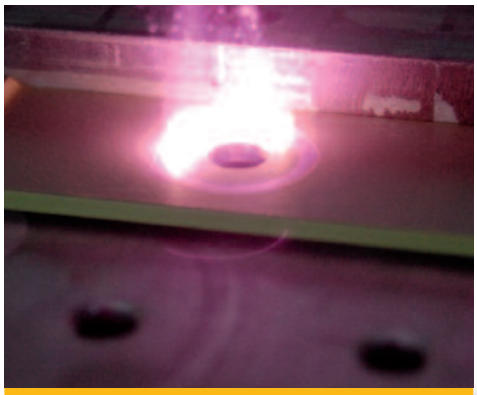
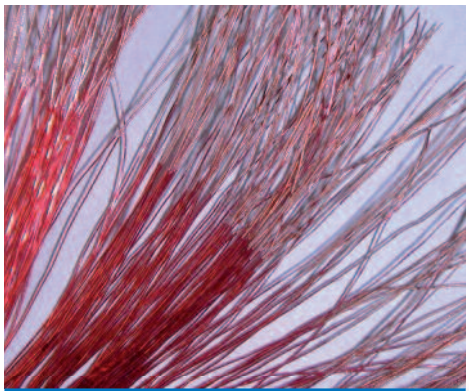
PAINT REMOVAL AND DE-COATING

cleanLASER

LAYER BY LAYER – SPOT BY SPOT









- **Precision or large-scale paint removal**
- **Selective or total paint removal**
- **High removal rates, especially with thin coatings**
- **Harmless to the base material**
- **Gentle, precise, and residue-free**
- **No additional process steps necessary**

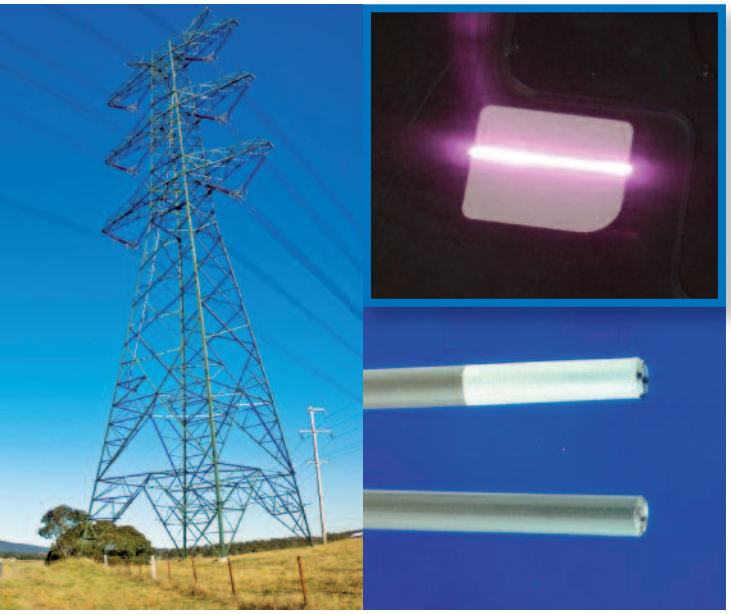
Metals reflect laser beams, making them especially wellsuited to be “lasered”. A focused laser beam vaporizes the light quickly absorbing layers or coatings. This happens at cyber speed while, at the same time, does so gently and without harm to the base material. Chemicals, abrasives or mechanical methods are not needed. The potential economical and environmental returns are very high, due in part to excellent build quality.

The cleanLASER works accurately and makes complex masking redundant. Coatings may be removed to varying degrees: Paint can be removed all the way down to the substrate or, with the proper laser, the top coat can be stripped, preserving the primer coat. Our customers in the aero space industry meet sophisticated standards proving that sensitive parts, metals in particular, can be de-coated without damage.



cleanLASER

PAINT REMOVAL AND DE-COATING



From small-area part to titanic steel girder – the cleanLASER always is a reliable partner

Paint removal and de-coating with laser light – environmentally friendly, precise and profitable. Please contact us to discuss your application.

Application Examples

- Creation of numerous electrical contact points and surfaces
- Partial de-coating as a pre-treatment for brazing and welding
- Local, non destructive exposure of weld seams for inspection purposes
- Abrasion of anodized coatings and vaporized layers
- Partial paint removal as a pre-treatment for adhesive bonding
- Removal of glue and sealant residues
- Selective paint removal (by layer) of plastics and fiber composite parts
- De-coating of brake lines and hydraulic tubes
- Paint-removal from galvanized steel plate while maintaining corrosion resistance
- Stripping of cables and magnet wire
- Removal of printings and marks
- Removal of vaporized layers from glass, e.g. photovoltaic panels

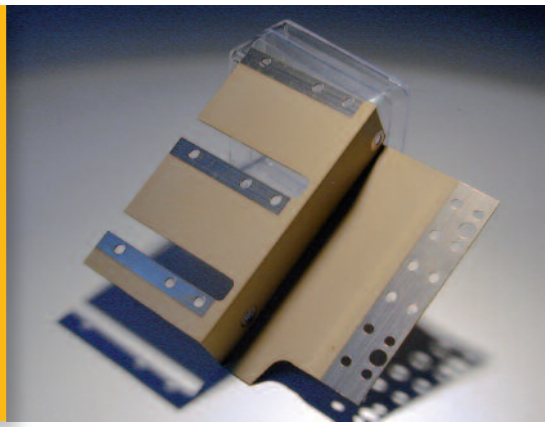
With cleanLASER you are able to de-coat select areas or large surfaces in a variety of working environments both indoors and outdoors. Different modules are available, ranging from a 20 Watt backpack laser to a 1000 Watt high performance system. Each system is fully optimized, offered with a flexible fiber optic cable and a machining optic, so that it performs efficiently. We are happy to advise you which laser best suits your application.



OS H 80 high performance optic for large-scale paint removal applications



"Dry" paint removal in aerospace industry (production and service)



Partial paint removal from an electronic component to create numerous contact points replaces masking processes

Clean-Lasersysteme GmbH · Dornkaulstraße 6 · 52134 Herzogenrath · Germany
Phone +49 2407-9097-0 · **Fax** +49 2407-9097-111 · info@cleanlaser.de · **www.cleanlaser.de**

subject to technical changes 16-03