

WELCOME TO CLEAN-LASERSYSTEME GMBH

LASER SYSTEMS FOR INDUSTRIAL CLEANING,
COATING REMOVAL & SURFACE PREPARATION



HIT THE SPOT WITH LIGHT.

 cleanLASER

About us

Clean-Lasersysteme GmbH (cleanLASER) develops and **produces laser based cleaning systems** for industrial surface treatments.

cleanLASER is the global market leader in laser cleaning with a portfolio that ranges from individual high performance laser systems to fully automated plants for serial production. These products are complimented by a wide range of service offerings.

cleanLASER supplies complete solutions. Approximately 75% of the users are repeat customers that have relied on the technology for many years.

Laser light – a green way to clean – good news for the environment

Laser cleaning safely removes coatings, contaminants, oxides, production residues and more without chemicals, solvents, abrasives, water, or dust – no secondary waste.

The process immediately captures residues vaporized by the laser for virtually zero emissions. **NO CLEAN-UP REQUIRED & NO POLLUTION!** Reduce or eliminate hazardous waste, environmental risks & disposal costs.

The CEOs of Clean-Lasersysteme GmbH are awarded Europe’s most distinguished environmental award:



Products & Services

cleanLASER offers a wide variety of standard, turn-key laser systems that can be adapted to a customer’s specific requirements.

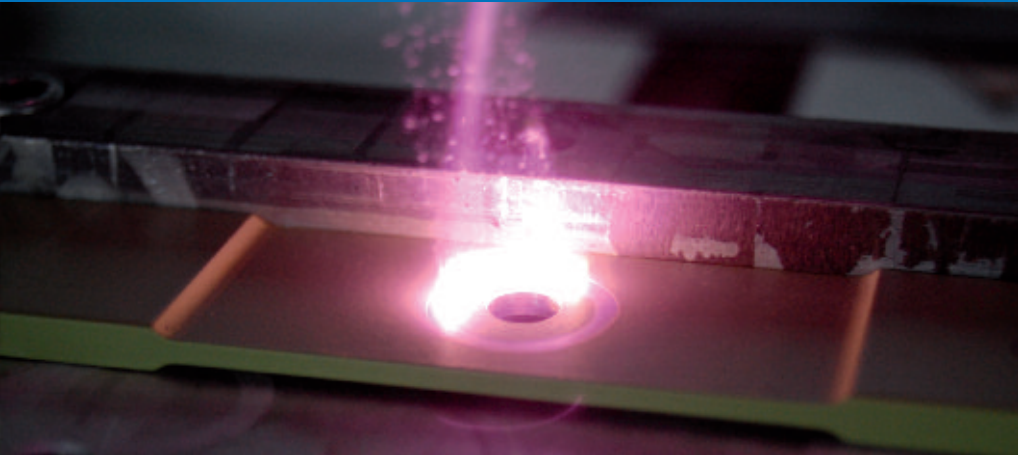
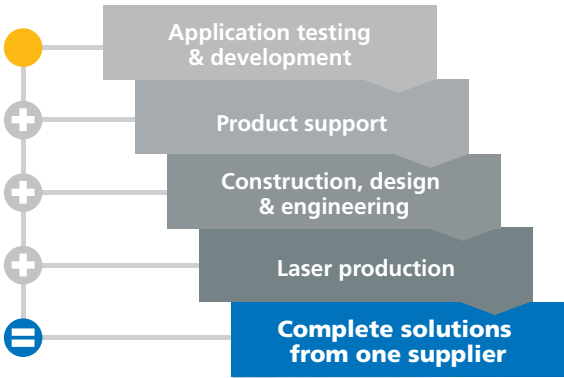
The scope of offerings include professional industrial laser systems for cleaning and surface treatment, as well as laser-technical consulting. Customers are given a process optimized solution for their individual application. Any project, from experimental testing to installation, will be performed by an experienced cleanLASER staff person.

We look forward to testing your application.

Certifications & Quality Management

High performance laser cleaning systems engineered with advanced technology for ease of use, safety, continuous duty, reliability & minimal maintenance.

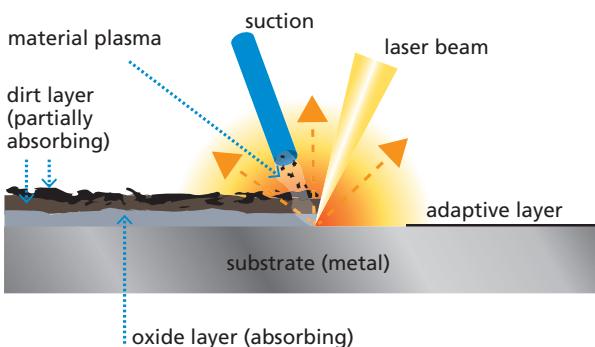
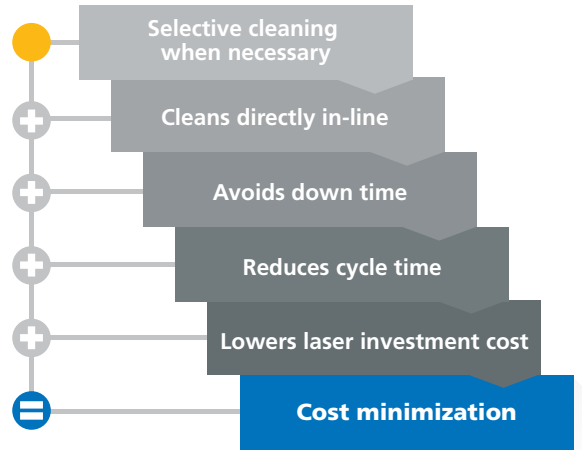
World-class products made in Germany.



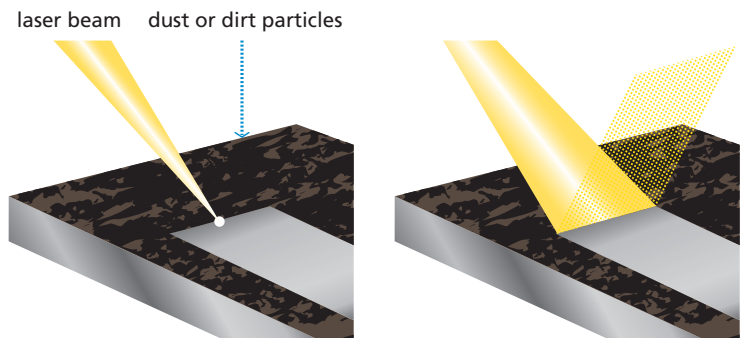
Technology benefits

- Fast set-up
- Easy to operate
- Quiet
- No clean-up
- Leaves no residue
- Highly reliable
- Easy to automate
- Low operating costs
- Virtually maintenance-free
- No consumable media – no abrasives, chemicals, solvents
- Green process - no pollution
- Laser beam settings are precisely adjustable to optimum process speed & gentleness

The smartCLEAN strategy



The focused, very short-pulsed laser beam is a media-free method of coating vaporization.



Highly dynamic scanners quickly distribute the focused laser beam on the surface material. The effluent generated is extracted, filtered, and disposed of in an environmentally friendly fashion.

Industries served


Laser cleaning, de-coating and surface treatments systems deliver unique process improvements to a wide-range of industries. cleanLASER devices are used by innovative companies, large and small, for precise applications in:

- Aerospace
- Automotive
- Electronics
- Engineering
- Food processing
- Historic restoration & conservation
- Pharmaceutical
- Printing
- Rubber/plastic product molding
- Solar power
- Shipyards - new construction & maintenance



cleanLASER technology is adaptable to an ever-growing list of uses and users. Laser cleaning enables forward looking businesses the chance to improve their competitive position without compromising the environment.

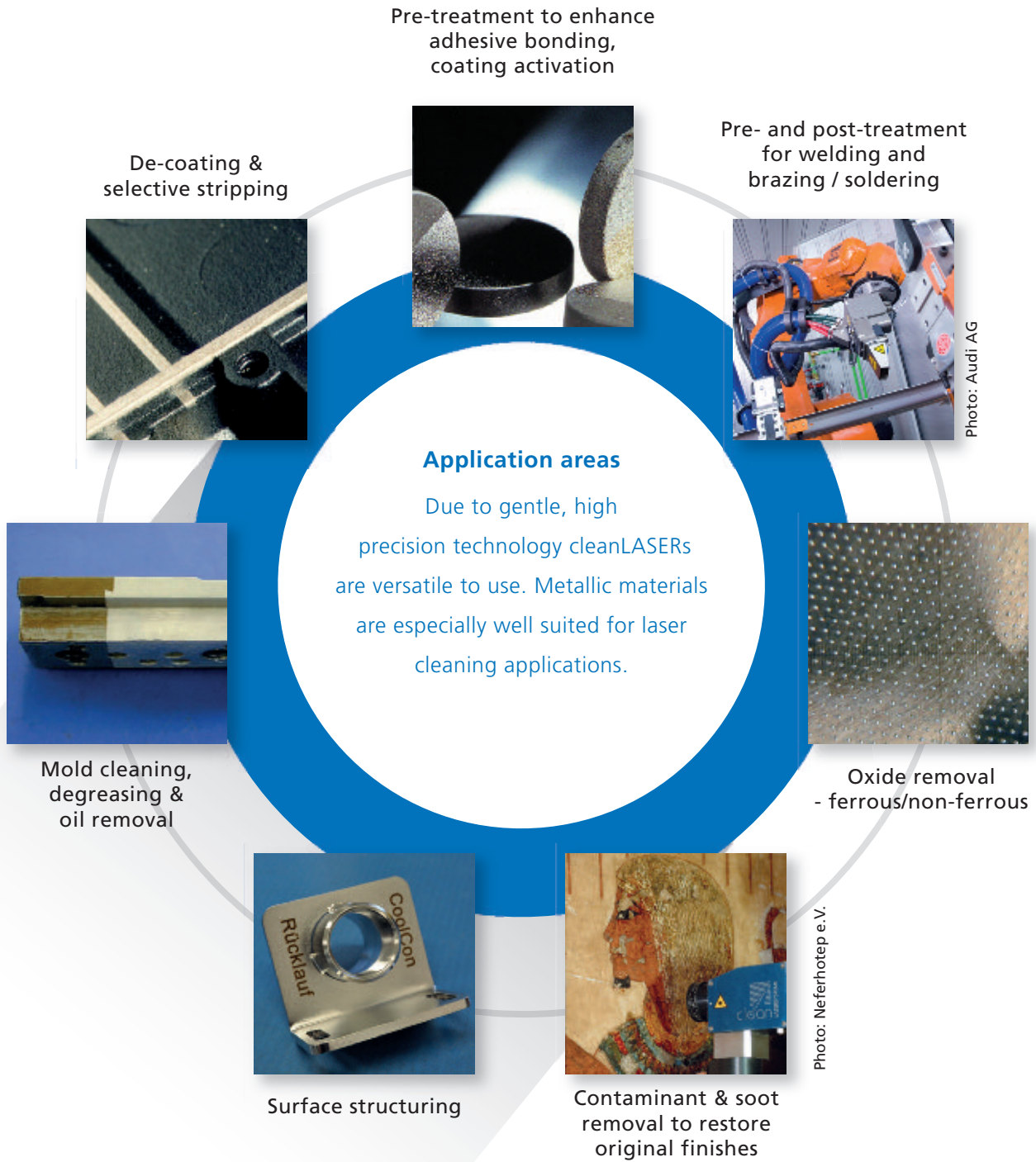
Cleaning with laser light creates new possibilities for economization and process integration.

 Sales- and productservice

 Distributors

MARKETS/DISTRIBUTORS





Application areas

Due to gentle, high precision technology cleanLASERs are versatile to use. Metallic materials are especially well suited for laser cleaning applications.

De-coating & selective stripping

Pre-treatment to enhance adhesive bonding, coating activation

Pre- and post-treatment for welding and brazing / soldering

Photo: Audi AG

Mold cleaning, degreasing & oil removal

Oxide removal - ferrous/non-ferrous

Surface structuring

Contaminant & soot removal to restore original finishes

Photo: Neferhotep e.V.

Please contact us to discuss your application. Discover what's possible when you clean with light and cleanLASER systems.

cleanLASER systems

The systems in our standard portfolio range from a low power backpack laser to compact, mobile systems, up to high power lasers.

This is accomplished through the production of automated workstations, standardized systems, and specially customized machinery.

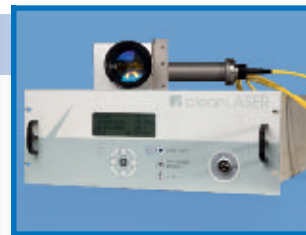
The modular design of the laser systems allows customers to choose the optimal system configuration for a particular application.

Available features include:

- Special optic designs
- Fully mobile or stationary versions
- Laser systems including entire workstations
- Wide variety of automated solutions

LOW POWER

Backpack CL 20
CL 12 – CL 100



MID POWER

CL 150 – CL 600



HIGH POWER

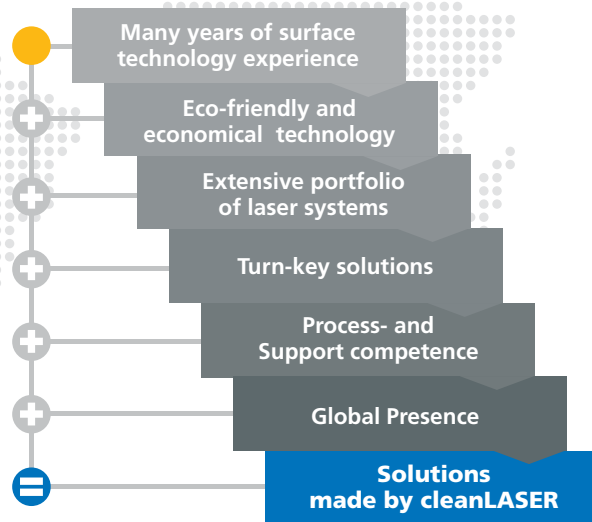
CL 1000



WORKSTATIONS & TURN-KEY MACHINES

Stand-alone or in-line installation





Please contact us to discuss your application and discover what's possible when you clean with light and cleanLASER Systems.



awarded with
Deutscher Umweltpreis 2010

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