

cleanDECON

Decontamination, Cleaning and Pre-Treatment in Nuclear & Hazard Areas



The cleanDECON can be used in an economically and eco-friendly way for decontamination in nuclear areas. As a dry process, laser light replaces the chemical wet process by high water jet pressure or ultrasonic and the mechanical blasting.

IPG | cleanLASER offers turnkey solutions for achieving full release of lightly and moderately contaminated parts with decontamination rates up to 99% for particulate contamination.

The variety of possible applications is large: running nuclear power plants, dismantling and bearing (storage), deployment in disaster area or R&D.

There is a **choice of three different options**, all of them are used in the nuclear industry and are available on a turnkey basis:

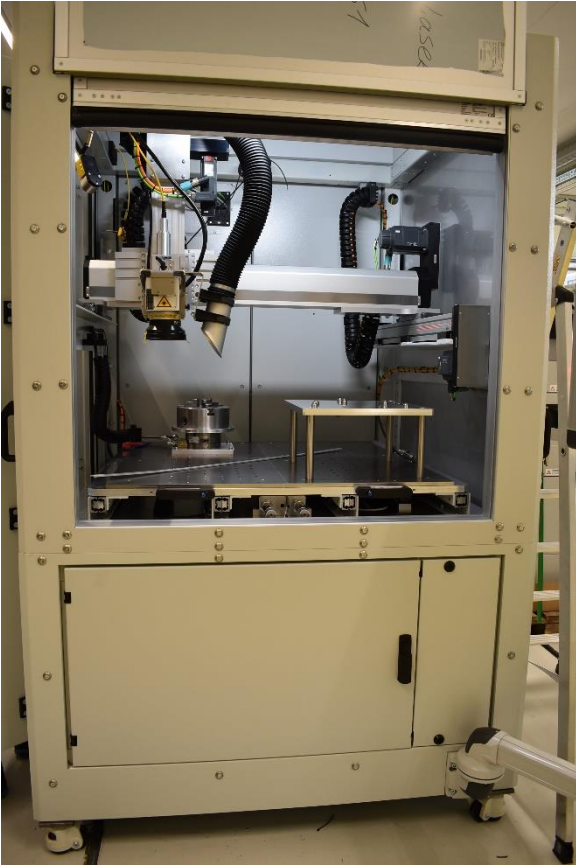
cleanDECON MANUAL

cleanDECON MANUAL is a flexible and mobile solution for hand-held decontamination. Even on differently shaped parts and geometries the laser system achieves excellent results.

Typical applications are the decontamination of metals for recycling or reuse, decontamination in waste handling or use in operation of NPP – preparation for NDT, radiation dose reduction, hazard coating removal.

cleanDECON prevents waste (no mixed or blasting media), increase the safety of operators and speeds up the decon process, increasing efficiency.

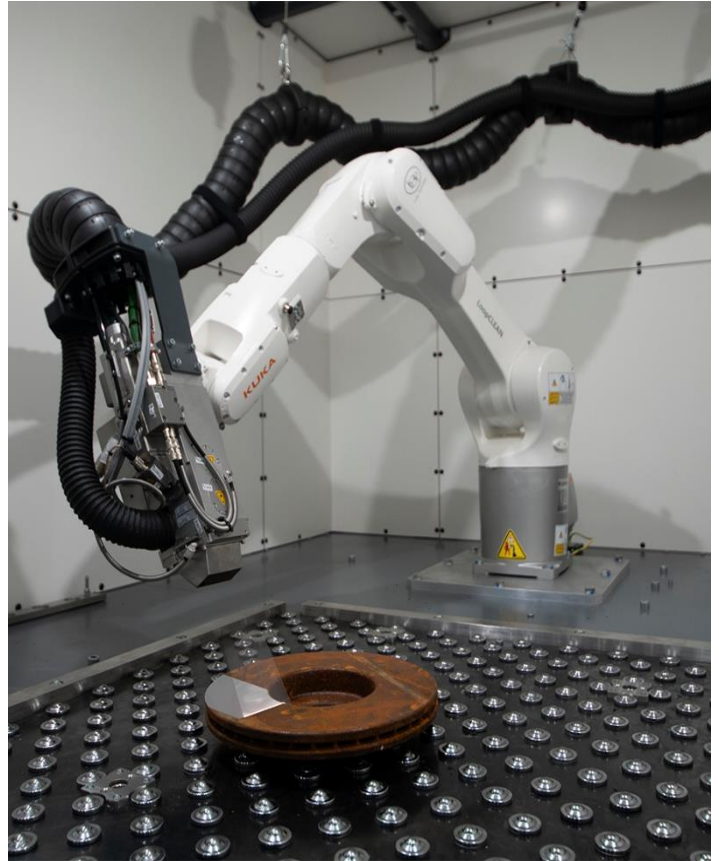
cleanDECON MACHINE and cleanDECON ROBOT



cleanDECON MACHINE

The cleanDECON MACHINE is a gantry-based laser system for automated decontamination, frequently used to achieve the release of metal and concrete parts for recycling. It is particularly effective for big, flat-shaped parts with simple geometries, like steel girders, profiles, bricks etc.

The cleanDECON can remove contaminants quickly and reliably. Moreover, it is easy to operate at the touch of a button.



cleanDECON ROBOT mobile and stationary solution

The cleanDECON ROBOT is the most flexible automated solution for complex and shaped parts like engine parts, aggregates, machine components, fittings or flanges.

The robotic laser system is available as a mobile or stationary version. It can also be used in hot zone areas.

It is applicable on aluminum, stainless steel, carbon steel, copper or stone with high decontamination rates.

PLEASE CONTACT US - WE ARE HAPPY TO ADVISE!

