

## cleanGANTRY

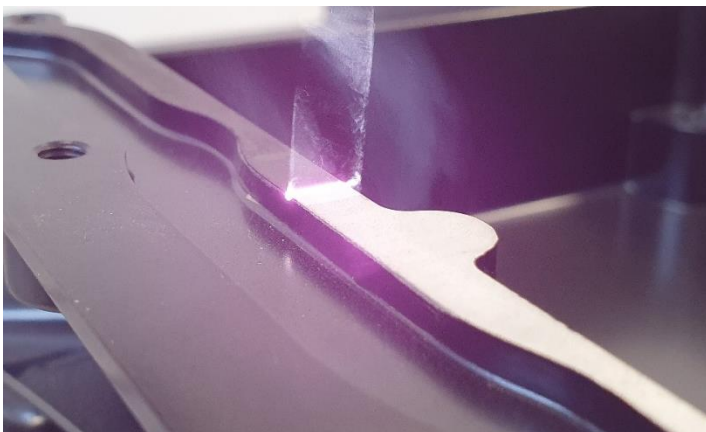


cleanGANTRY with rotary indexing table and laser-safe enclosure

## TURN-KEY AUTOMATION FOR LARGE WORKPIECES

The turn-key systems from the cleanGANTRY series are suitable for a variety of industrial applications, in particular for larger workpieces requiring partial laser processing of functional surfaces. The 3-axis gantry in H-portal arrangement is used for the precise movement of the optics over the workpiece with optimum processing speeds and precision.

The cleanGANTRY can be customized with a variety of additional options. For example, the implementation of contourSCAN offers the possibility to reduce non-productive time and to achieve high throughput rates efficiently.



Partial CDP-decoating of a battery box with cleanGANTRY

### BASIC CONFIGURATION

- **3-axis gantry in H-portal arrangement**
- **Touch Screen and keyboard operation**
- **Application-specific integrated suction nozzles and piping**
- **Air-conditioned switch cabinet containing the control technology and the laser system**
- **PC-based, graphical control software cleanSTUDIO**

## cleanGANTRY – FLEXIBLY CUSTOMIZABLE

- Machine basis: cleanGANTRY
- 3-axis portal in H-arrangement with rotary indexing table
- Laser class 1
- Clamping device designed for the type of workpiece
- Adapted suction technology
- Camera for process visualization
- Sensor-based position detection (optional)
- High technical availability (> 98,5 %)
- Designed for 24/7 operation



cleanGANTRY with rotary indexing table

### TECHNICAL DATA OVERVIEW

cleanGANTRY	
<b>Dimensions basic unit without extensions</b> (width x length x height) [mm <sup>3</sup> ]	4.660 x 2.650 x 5.170
<b>Laser equipment</b>	Low, Mid und High Power
<b>Wavelength [nm]</b>	1064 +/- 4
<b>Power supply</b>	400 V, 3 Phasen, N + PE, 16 kW
<b>Hub area axis gantry [XxYxZ mm<sup>3</sup>]</b>	3.044 x 2.020 x 400

2020. Subject to technical changes

PLEASE CONTACT US - WE WILL BE HAPPY TO ADVISE!

 **cleanLASER**  
cleaning with light