

cleanGANTRY

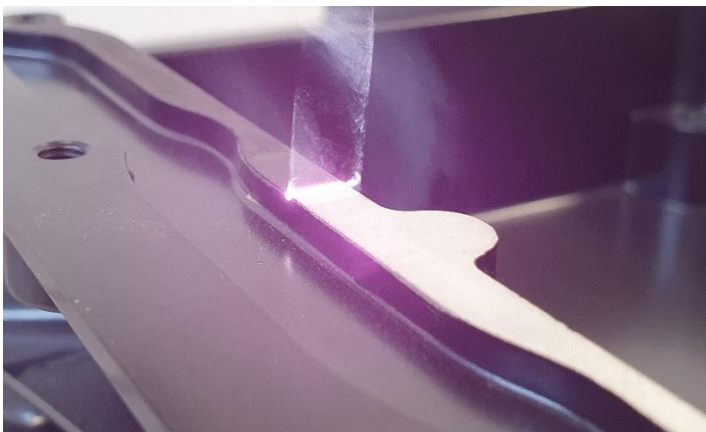


cleanGANTRY with rotary indexing table and laser-safe enclosure

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	
Dimensions basic unit without extensions (width x length x height)[mm ³]	4.660 x 2.650 x 5.170
Laser equipment	Low, Mid und High Power
Wavelength [nm]	1064 +/- 4
Power supply	400 V, 3 Phasen, N + PE, 16 kW
Hub area axis gantry [XxYxZ mm³]	3.044 x 2.020 x 400

01.2025 Subject to technical changes

PLEASE CONTACT US - WE WILL BE HAPPY TO ADVISE!

