



SYSTEM FEATURES

- Laser class 1 safety enclosure
- Safety door with laser protection window and interlocking system
- LED lighting inside the enclosure
- Hight-adjustable table
- Grid plate with stop bars
- Safety-monitored fittings for the scanner adapter
- Suction nozzle inside the processing cabinet
- Adapter for process gas
- Hight-adjustable base feet
- Equipped with sliding or lifting door



2D processing optics Stamp 10 for complex geometries



Sealing pre-treatment of an aluminum housing



Precise electrical bonding on copper conductors

TYPICAL APPLICATIONS

- Processing and precise decoating of small areas (partial or selective)
- Bonding pre-treatment
- Structuring of metallic surfaces
- High precision de-oiling
- Removal of oxide layers
- Prototype and pre-series production in sample construction

safeBOX – AVAILABLE IN TWO VARIANTS



safeBOX XL for higher components and an optimal field of view into the processing area



safeBOX incl. processing optics

The safeBOX is a flexible processing station for laser cleaning of small, manually loadable components. Due to the laser class 1 enclosure with interlock safety door and laser protection window as well as the small footprint, the safeBOX is particularly well suited for laboratory applications.

TECHNICAL DATA AT A GLANCE

	safeBOX	safeBOXXL
Laser	Low Power series (CL 20G – CL 10G0)	Low Power series (CL 20G – CL 100G)
Optics	2D processing optics Stamp 10	2D processing optics Stamp 10
Focal length of the optics [mm]	≤ 420	≤ 420
Dimensions base unit incl. optics, grip and suction socket (width x length x height) [mm³]	866,5 x 484,1 x 889	866,5 x 484,1 x 1182,5
Weight base unit [kg]	~ 40	~ 50
Maximal workpiece weight [kg]	~ 10	~ 20
Can be equipped with electric drive	no	yes
Number of laser protection windows	1	2

01.2025 Subject to technical changes

PLEASE CONTACT US. WE ARE HAPPY TO ADVISE YOU!

