

Protective Housing of Laser LSK1

Part No. 5523680

Operating Instructions

Edition 3/03



Product Description

The protective housing is special developed for laser marking of parts and components.

It is equipped with a vertically adjustable axle (Z-axis). The axle can be controlled via computer or via control panel optionally.

The inside area is hermetic blocked by a sliding door. By opening or closing this door a door contactor is switched. So the laser is switched off when opening the door during operation.

The housing is equipped with a pane of laser protective glass. Additionally the working area is equipped with an internal light.

All connections which are necessary for the operation and control of the laser are prepared.

Technical Data

Width (without laser)	450 mm
Depth (without laser)	ca. 560 mm
Height (without laser)	ca. 320 mm
Weight (without laser)	32 kg
Dimensions of the Working Table	320 x 290 mm
Max. Part Height	140 mm
Operating Distance Z-Axle	70 mm
Power Supply	115 V / 230 V

Contents of Delivery

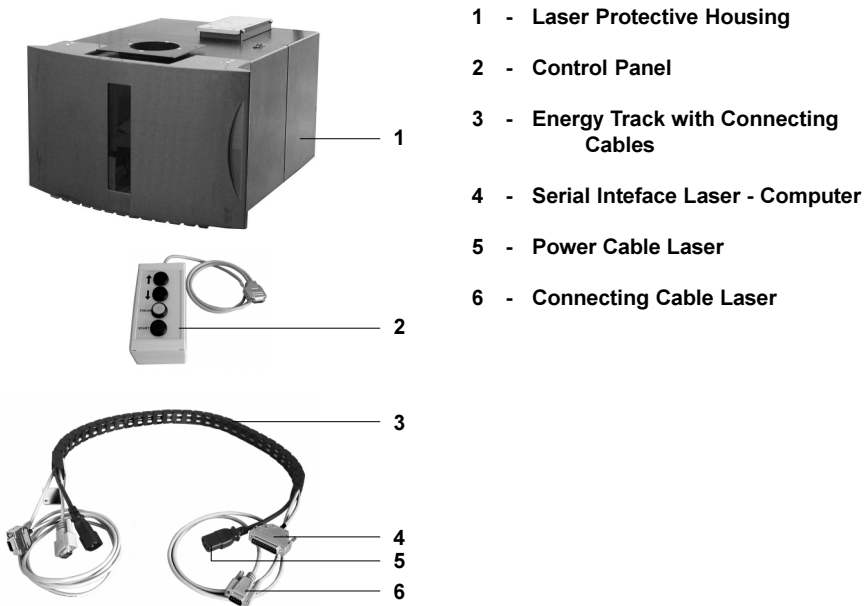


Fig. 1 Delivery Contents

General Safety Instructions



CAUTION !

- The device is built exclusively to use for laser marking of parts and components !
- Connect the device to an outlet with the correct voltage !
The device is configured for voltages of 115 to 230 V.
Connect only to a power outlet with a grounded contact.
- The device must only be connected to devices which have extra low voltage !
- Power must be OFF before plugging in any accessory, connecting to a computer and before performing any maintenance on the device ! Also turn the power off on all appliances before disconnecting from the device !
- Do not expose the device to any moisture, or use in damp or wet areas !

Connections

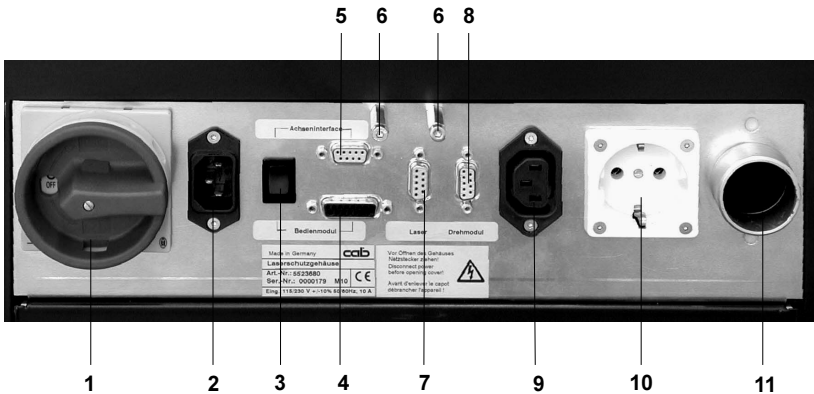


Fig. 2 Connections

- | | |
|---------------------------------------|--|
| 1 - Main Switch Power Input | 7 - Interface Laser |
| 2 - Power Input 115/230V | 8 - Interface for the Rotating Modul (option) |
| 3 - Switch for Operating the Z-Axle | 9 - Power Socket for Laser |
| 4 - Socket for Control Panel Z-Axle | 10 - Power Socket for external Device (Computer/Exhauster) |
| 5 - Interface Z-Axle | 11 - Connection for the Exhauster |
| 6 - Fixing Bolts for the Energy Track | |

Operation

- Mounting the laser.
- Making of all wanted connections.
- Switching on the laser.
- Switching on the laser protective housing on the main switch.
- Starting the laser software.
- Putting the part to be marked on the working area.
- Closing the door of the laser protective housing.



NOTICE !

The laser marking is interrupted if the sliding door is opened during operation !



Gesellschaft für Computer-
und Automations-
Bausteine mbH
Wilhelm-Schickard-Str. 14
D-76131 Karlsruhe

EU - Conformity Declaration

We declare herewith that as a result of the manner in which the machine designated below was designed, the type of construction and the machines which, as a result have been brought on to the general market comply with the relevant fundamental regulations of the EU Rules for Safety and Health. In the event of any alteration which has not been approved by us being made to any machine as designated below, this statement shall thereby be made invalid.

Description:

Protective Housing of Laser LSK 1

Applied EU Regulations and Norms:

- | | |
|--|---------------------------------|
| - EC Machinery Regulations | 98/37/EU |
| - Machine Safety | EN 292-2 - 1995-06 |
| - Electrical Equipment of Machines | EN 60204-1:1997 |
| Part 1 : General Requirements | |
| - Safety of Laser-Fittings | EN 60825-4:1997 |
| Part 4 : Laser Protection Barrier | |
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 | |
| - EC Low Voltage Regulations | 73/23/EEC |
| - Data and Office Machine Safety | EN 60950:1992+A1:1993 |
| | EN 60950/A2:1993+A3:1995+4:1997 |
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 | |
| - EC Electromagnetic Compatibility Regulations | 89/336/EEC |
| - Threshold values for the Interference of Data Machines | EN 55022:1998 |
| - Limits for harmonic current emission | EN 61000-3-2:1995 |
| | + A1:1998 + A2:1998 + A14:2000 |
| - Limits of voltage fluctuation and flicker | EN 61000-3-3:1995 |
| - Immunity characteristics- | EN 55024:1998 |
| Limits and methods of measurement | |

Signature for the producer

cab Produkttechnik Sömmerda
Gesellschaft für Computer-
und Automationsbausteine mbH
99610 Sömmerda

Sömmerda, 15.07.02

Erwin Fascher
Geschäftsführer

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Angaben zu Lieferumfang, Aussehen, Leistung, Maßen und Gewicht entsprechen unseren Kenntnissen zum Zeitpunkt der Drucklegung. Änderungen sind vorbehalten.

All specifications about delivery, design, performance and weight are given to the best of our current knowledge and are subject to change without prior notice.