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General information

This chapter describes general information on these operating instructions.

About these operating instructions

Read these operating instructions carefully and keep them in a safe place.

These operating instructions contain important information on the safe and hazard-free use of the device.

Before using this device, the operating personnel must familiarise themselves with these operating instructions and the product.

Compliance with the safety instructions is a basic requirement when using the LC 160 SL.

The operating instructions are part of the product and must be supplied with the product if it is moved to another location.

The original operating instructions are in the German language.

Storage of these operating instructions

These operating instructions must be kept in the immediate vicinity of the product and must be accessible to operating personnel at all times.

These operating instructions must be kept until the product has been returned to GLW.

Target group

These operating instructions are intended for the operating personnel of the device operator. Only trained personnel may operate the device.

Limitation of liability

The following are generally excluded from liability:

- Non-observance of these operating instructions
- Non-intended use
- Use of unauthorised spare and wear parts
- Operation by untrained personnel
- Maintenance by untrained personnel
- Troubleshooting and fault rectification by untrained personnel

Unauthorised modification of the device is not permitted for safety and liability reasons

General information

Validity

The operating instructions are valid for the complete LC 160 SL.

The operator must :

- make the operating instructions accessible to the operator and
- make sure that the operator has read and understood them.

Authorised operators

Only authorised and trained operators may work on the LC 160 SL.
The operator is responsible to third parties in the operating area.

Symbols

The following symbols are used in these operating instructions:



indicates a possible **risk of accident and injury** or possible **damage** to the LC 160 SL.



correct usage or setting



indicates **instructions for use**.

Basic information

In simple terms, only the article description LC 160 SL is used in the following.
The basic prerequisite for safe handling and trouble-free operation of the LC 160 SL is knowledge of, and compliance with, the safety instructions.

It's about your safety!

The safety instructions must be observed by **all** persons working with the LC 160 SL.

In addition, the rules and regulations applicable to the place of use, in particular those relating to accident prevention, must be observed.

Guarantee

In principle, our "General Terms and Conditions of Sale and Delivery" apply. These are available to the operator at the latest upon conclusion of the contract.

Warranty and liability claims for personal injury and damage to property are excluded in the event of infringement of the following points:

- Improper use of the LC 160 SL.
- Improper operating places.
- Improper use beyond that described in the operating instructions.
- Unauthorised structural modifications to the LC 160 SL.
- Continued operation of the LC 160 SL if faults are detected.
- Improperly carried out repairs.



Only use original spare parts.

Safety

This chapter describes the general instructions for the safe operation of this device.

General safety instructions

The LC 100/ LC 160 is built in accordance with recognised safety regulations.

It is equipped with safety devices.

Nevertheless, incorrect operation or misuse can pose a risk to

- life and limb of the operator,
- the machine.

The LC 100/LC 160 is only to be used

- for its intended use and
- in perfect condition in terms of safety.

All persons involved in the commissioning, operation and maintenance of the LC 100/LC 160 must

- be appropriately qualified and
- follow these operating instructions carefully.

Intended use



WARNING:

The LC 160 SL hose cutter makes it possible to cut hoses up to Ø 10 mm with precision. Thanks to special hose guides, the cut surfaces are particularly straight. The LC 160 SL is ideal for use in series production.

Willful modifications to the LC 160 SL are prohibited for safety reasons.

The required length and number of hoses is entered either directly in the LC 160 SL with the keypad or can be documented on the PC with the supplied software and loaded to the LC 160 SL.



WARNING:

The removal of warning notices and safety stickers is not permitted.



WARNING:

Use is only permitted in dry and clean production facilities.



ATTENTION: Observance of all instructions and compliance with the prescribed operating conditions are part of the intended use.

Safety



WARNING: The LC 160 SL may only be used

- for its intended use and
- in perfect condition in terms of safety.

Any other use or use beyond this is considered improper use.
GLW shall not be liable for any resulting damages.



WARNING:

All persons involved in the commissioning, operation and maintenance of the LC 100/LC 160 must

- be appropriately qualified and
- follow this user manual carefully.

Non-intended use

- The device is not being used as intended if it is operated outside the specifications.
- The use of non-specified materials.
- Use of the device in the event of strong vibrations in the area of the installation site.

Foreseeable misuse

Misuse can include:

- Non-observance of these operating instructions
- Cutting non-approved diameters to length
- Blowing out the device with compressed air
- Cleaning with solvents or cleaners

Hazard area



WARNING:

The LC 160 SL may be operated only when the front door is closed, as this also acts as an intervention protection.

Switch off the LC 160 SL during work breaks and when not in use.

The LC 160 SL may only be operated with original GLW stripping blades.

Behaviour in the event of danger

In the event of danger, disconnect the device from the power supply to switch it off.

Safety

Responsibility of the operator

An operator is anyone who operates a machine or system for commercial or economic use. Transfer to third parties is not permitted.

This results in the following obligations for the operator:

- be familiar with and implement the health and safety regulations
- carry out a risk assessment
- train staff at regular intervals and inform them about hazards
- create operating instructions for the operation of the device
- clearly regulate and define the responsibilities of staff
- the authorised personnel must have read the operating instructions before commissioning

In addition, there are obligations from other regulations that apply locally.

Safety devices

The LC 160 SL is switched off by

- pressing the mains switch
- unplugging the mains plug



WARNING:

The front door is installed for the safety of the operator. It is prohibited in all circumstances to modify, remove or by means of alterations bypass it.

The LC 160 SL may be operated only when the front door is closed.

Disconnect the mains plug before beginning maintenance work.

Make sure that there are no foreign objects inside the housing.

Personnel qualifications

Only trained and instructed personnel may work with the equipment.

Instructed person:

An instructed person is a person who has been briefed in detail and verifiably by the operator about the tasks assigned to them and the possible dangers.



WARNING Risk of injury due to insufficient qualification.

Improper handling may result in severe personal injury and damage to property.

For your safety

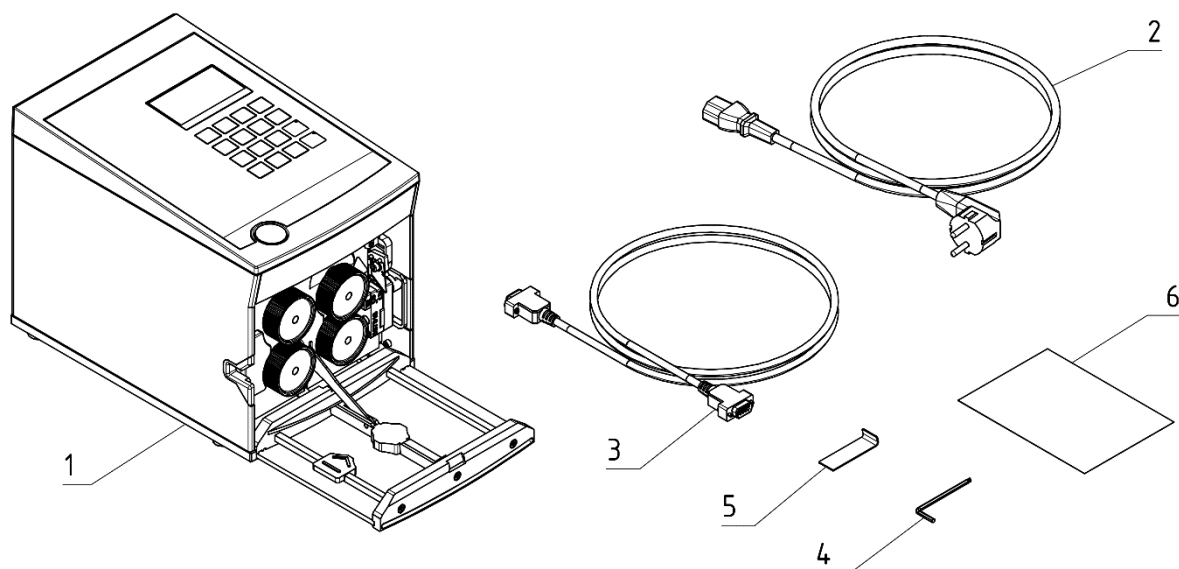


WARNING:

For safety reasons, it is not permitted to open the device or dismantle sub-assemblies with the exception of designated wearing parts.

LC 160 SL machine description

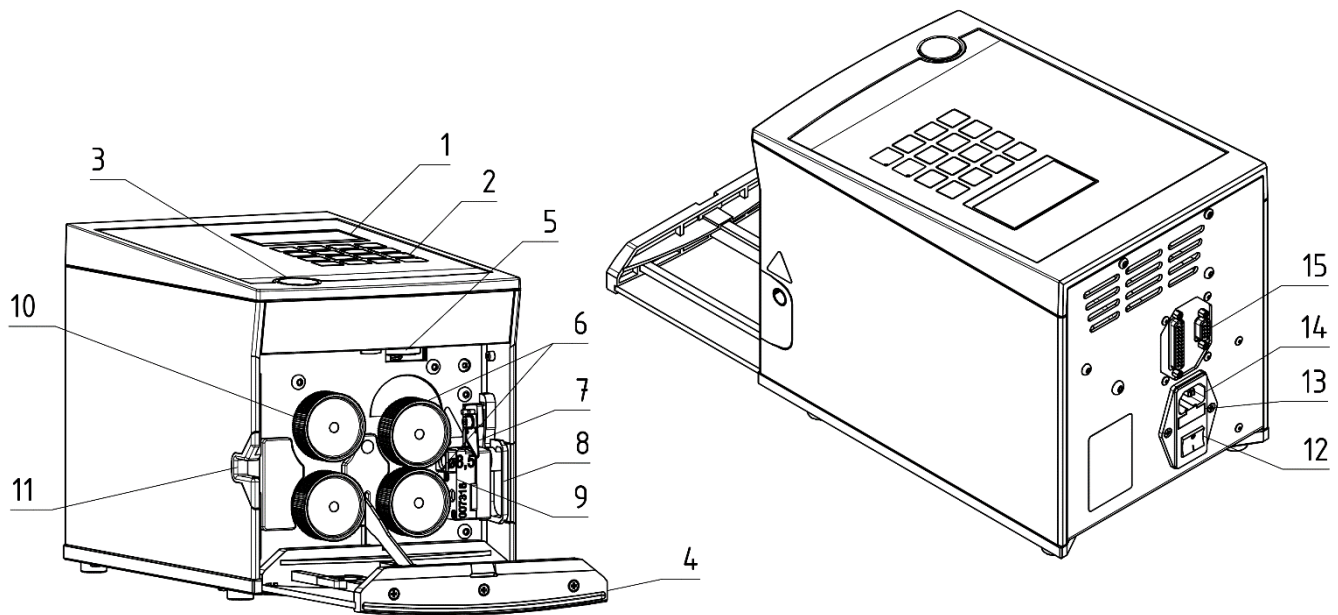
Contents



Type	Contents
LC 160 SL	1. LC 160 SL tube cutting machine
	2. Power cable
	3. RS-232 connection cable for LCExcel 2 program
	4. Allen key, size 3
	5. Removal hook
	6. Operating instructions

LC 160 SL machine description

Overview of the operating controls



1. Display: Display of settings, messages and errors.
2. Key pad: Entering values and functions.
3. Door opener: By pressing the button, the front door can be opened.
4. Front door: Protects the operator from moving parts. The machine only works when the front door is closed.
5. Adjusting screw: The contact pressure can be adjusted by turning.
6. Drive rolls: Transport the cable through the device. Contact pressure can be adjusted.
7. Cutter: Cut off the material.
8. Outlet slot: Leads the cut-to-length cable out of the device.
9. Tube guide: Guides the hoses through the device to the outlet opening.
10. Metering roller: Used for cutting to length in the set length.
11. Insertion slot: Feeds the cable into the device.
12. Mains switch: Switches the power supply on and off.
13. Mains fuses: Miniature fuses, integrated in the mains connection
14. Mains connection: Device connection for the mains cable.
15. RS-232-interface: Interface for a PC to retrieve data records with cutting orders.

Transport and storage

Transporting the device

The device is transported by a commercial vehicle.

The packaging may be a pallet, a cardboard pallet box or a cardboard box, depending on the type and size of the components to be transported.

NOTE

In the case of overseas transport, packaging suitable for overseas transport must be used. It is recommended to keep the original packaging for the return shipment.

Store the device:

- in dry and clean places
- in places that are not exposed to high levels of heat, direct sunlight or low temperatures (operating range: 15 °C to 35 °C)

Commissioning

Commissioning

Selecting an installation site

**ATTENTION:**

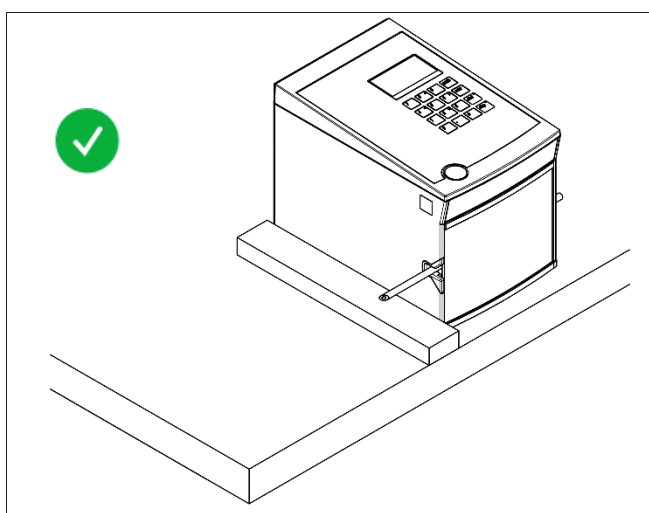
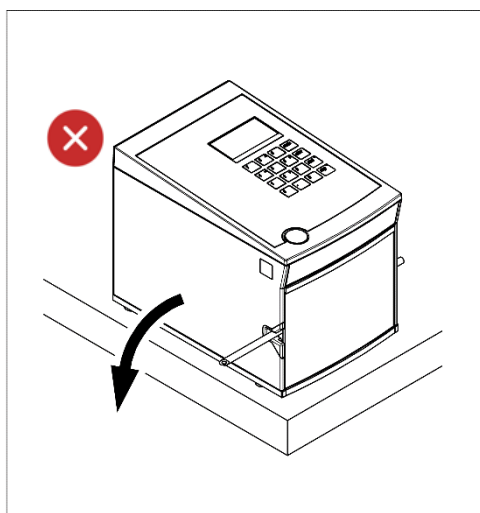
The device must be set up on a level and horizontal surface.

**ATTENTION: During operation and storage, avoid the following:**

- humid or dusty places and
- locations exposed to high levels of heat, direct sunlight or low temperatures (operating range: 15 °C ... 35 °C).

**ATTENTION:**

Set up the LC 160 SL so that it cannot slip from its work surface. Use a non-slip mat or fix the LC 60 SL in place, as depicted below.

**ATTENTION:**

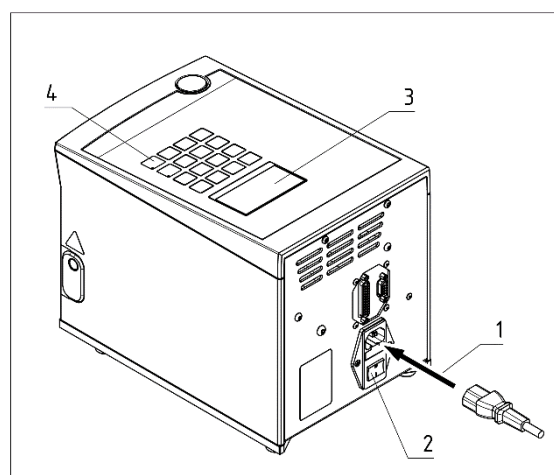
- Do not spill liquids on the LC 160 SL.
- Do not expose the LC 160 SL to strong vibrations or shocks.

**ATTENTION:**

If the machine is moved from a cold to warm location, condensation can form. Before using the LC 160 SL, open the front door and allow condensation to evaporate.

Connecting to mains

1. Connect the power cable.
2. Switch on the LC 160 SL with the mains switch (press I).
3. The display light up
4. The red „stop“ LED light up.



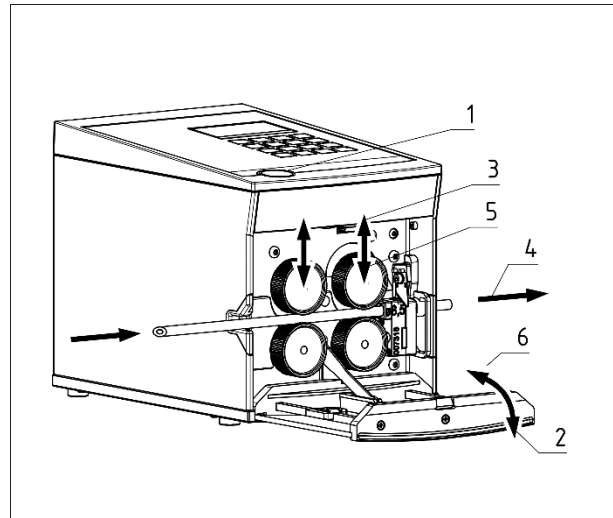
Operation

Operation

Inserting the tube

- Press the door opener (1) and fold down the front door (2).
The rollers are raised (3).
- Insert the hose between the rollers and pull it through the tube routing and out through the outlet slot (4).
- Fold up the front door (6).
The rollers clamp the hose firmly (5).

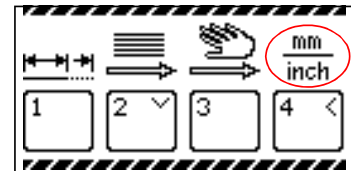
If you cut very soft or hard material, it is advisable to change the clamping pressure (see page 17)



Adjusting the measuring unit between millimeter and inch

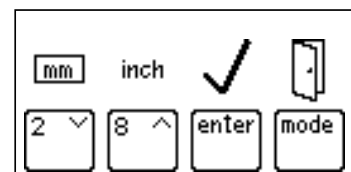
The default is millimeter

- Press and hold the „mode“ button for approx.. six seconds, until this display appears.
- Press the „4“ key for mm/inch adjustment.



The measuring unit currently in use is framed (here, it is mm)

- The „2“ key sets the measuring unit to mm.
The „8“ key sets the measuring unit to inch.
- Press the „enter“ key to save the value and return to mode selection.
With the „mode“ button, you can return to mode selection without saving.

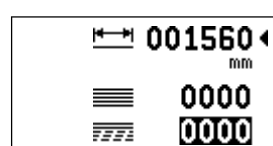


Operation

Automatic tube cutting

 The LC 160 SL cuts the amount entered automatically to a specified length.
This is the default mode and is active when the machine is switched on.

- Switch on the LC 160 SL
- Insert the hose as described (see page 18)
- To switch into this mode, press the „mode“ button and then the „l“ key.



Length (mm or inch, see page 18)

Number of cuts

To go (Number of cuts remaining)

Entering the parameters

Enter the length and number of cuts with the keys „0“ to „9“.

- You can overwrite the values or delete them with the „C“ button.
- For entries in inches, decimal places can be used.
- Switch to the next line with the „enter“ key.

Cutting the cable

Press the „start“ button. The green LED lights up.
The cable is then cut automatically.

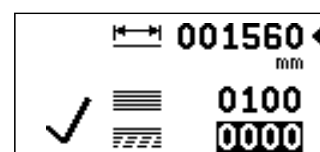
Pausing or stopping the cable

- Cutting can be interrupted. To do this, press the „stop“ button. The red „stop“ LED flashes.
- Press the „start“ button to continue cutting.
- If you would like to stop cutting, press and hold the „stop“ button for at least two seconds. The To go display is set to „0000“.

Cutting finished

When the cutting is completed, the to go display reads „0000“
And a checkmark is shown.

The length and number can be re-entered.



Changing modes

Press the „mode“ button to switch back to mode selection.

Operation

Planing cutting jobs with a PC

Data records with cutting jobs can be created at a PC.

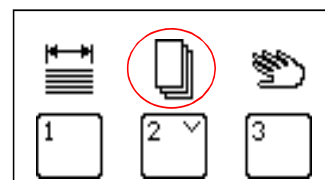
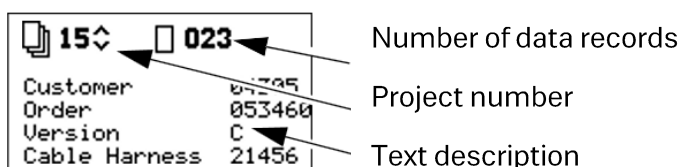
The data records contain information about the desired number and length as well as a description of the hose.

These data records are then processed sequentially from the LC 160 SL.

You can store and process up to 20 projects (lists) with a maximum of 100 data records (cutting jobs).

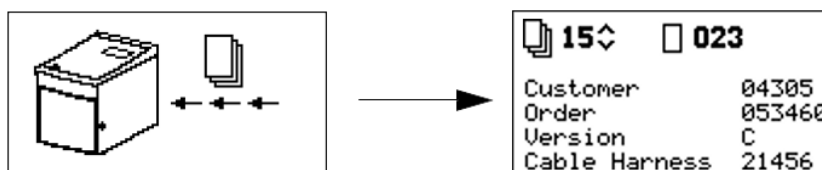
Connecting the LC 160 SL to a PC

- Switch off the LC 160 SL and the PC before connecting.
- Connect the LC 160 SL to a PC with the RS-232 cable supplied.
The RS-232 interface is on the back side of the LC 160 SL.
- Switch the LC 160 SL and the PC back on.
- Create the cutting jobs at the PC with the help of the „LCExcel 2.1“ software.
The software „LCExcel 2.1“ is available for download at www.glw.de.
- Switch into the appropriate mode. Press the „mode“ button and then the „2“ key.



Loading a project to the LC 100/LC 160

- Load the desired project to the LC 160 SL with help of the software.
While the project is being loaded to the LC 160 SL, a display appears on the screen.
When it is finished loading, a display for project selection appears.

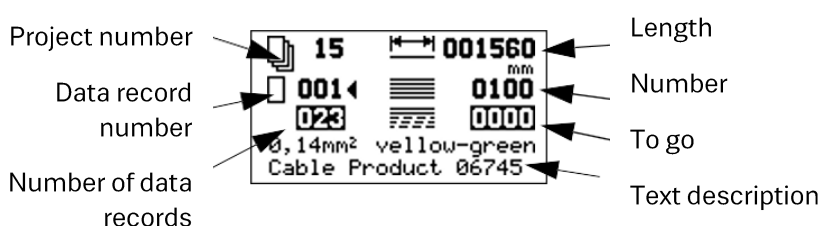


Project selection

Select the project number.

- The „2“ key lowers this number.
- The „8“ key raises this number.
- Press the „enter“ key to confirm the selection.

Then the settings for the selected project are displayed.

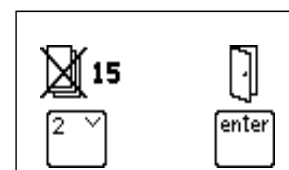


Operation

Deleting a project

If you would like to delete the current project, press and hold the „stop“ button for at least two seconds. This display appears.

- To delete the project and return to project selection, press the „2“ key.
- To return to project selection without deleting, press the „enter“ key.



Changing settings



The values for length and number shown in project selection can be edited.
The changes remain until the project is switched or closed.

Permanent changes have to be made at the PC and then loaded to the LC 160 SL.

If, for example, a data record has been created where more cables are cut than actually required, then the number can be decreased here. But the next time this data record is accessed, the higher number, which is saved, will be used.

- Select a data record with the keys „0“ to „9“.
- You can overwrite the values or delete them with the „C“ button.
- Switch to the next line with the „enter“ key.
- Enter the length and number of cuts with the keys „0“ to „9“.
- For entries in inches, decimal places can be used.

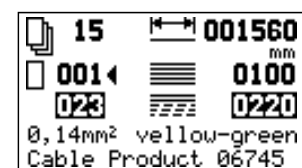
Cutting the tube

Insert the hose as described (see page 18)

- Press the „start“ button. The green LED lights up.
- The LC 160 SL processes the displayed data record.

Pausing or stopping the cable

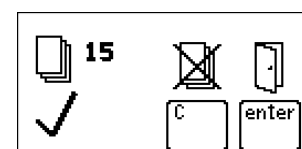
Cutting can be interrupted. To do this, press the „stop“ button. The red „stop“ LED flashes and this display appears.



- Press the „start“ button to continue cutting.
- To stop cutting, press the „mode“ button to switch to another data record or close the project.

End of the project

The cutting is finished when this display appears.



- To return to project selection, press the „enter“ key.
- To delete the completed project and return to project selection, press the „C“ key.

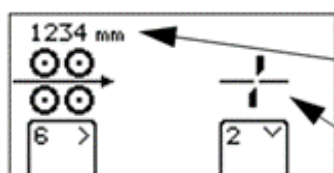
Operation

Manual tube cutting



The hose can be moved and cut using button commands.

- Insert the hose as described (see page 18)
- Switch on the LC 160 SL.
- To switch into this mode, press the „mode“ button and Then the „3“ key.



Length moved (mm or inch, see page 18)

Cutting

Cutting tube

- Press and hold the „6“ key until the hose has been moved the desired length.
- Press the „2“ key to cut the hose.

Deleting the length

Press the „C“ key to delete the set length.

- You can overwrite the values or delete them with the „C“ button.

Changing modes

Press the „mode“ button to switch back to mode selection.

Exiting from cutting

- When no more hose is to be cut, switch off the mains switch (press 0).
- Open the front door and remove the hose.

Adjusting the tube conveyor speed

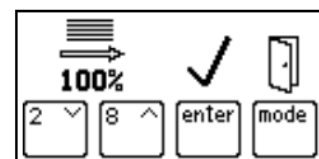
The speed with the hose is moved can be adjusted.

This speed can be adjusted separately for automatic and manual modes.

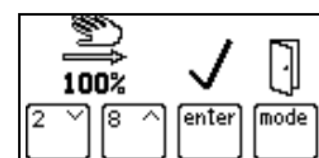
- Press and hold the „mode“ button for approx. six seconds until this display appears.
- Press the „2“ key to change the speed in automatic mode and the „3“ key for manual mode.



- The speed is preset to 100 % and can be lowered. The „2“ key lowers this value and thus the speed. The „8“ key raises this value and thus the speed.



- Press the „enter“ key to save the value and return to mode selection.
- With the „mode“ button, you can return to mode selection without saving.



Maintenance and servicing

- The device must be disconnected from the power supply for cleaning.
- Only a dry, dust-free all-purpose cloth may be used to clean the outside of the device.

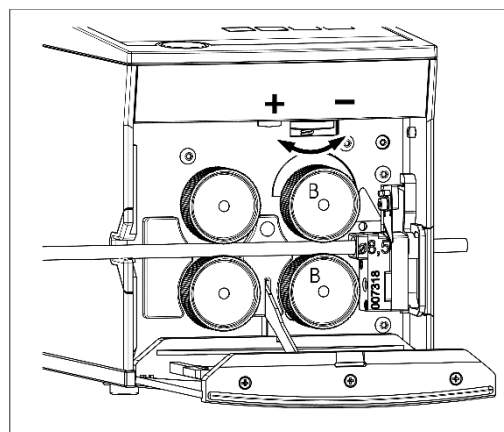
Adjusting or replacing the rollers

Adjusting the clamping pressure of the drive rollers (B)

The clamping pressure must suit the hose. For standard hose, it does not need to be changed.

The following generally applies:

- Hard and thick material: more pressure
 - Soft and thin material: less pressure
- Press the door opener and fold down the front door.
 - Set the clamping pressure with the adjusting screw.
Rotate left → more pressure
Rotate right → less pressure



Replacing drive or metering rollers



WARNING: Risk of injury!

Switch off the LC 100/LC 160 and disconnect the mains plug.

- Press the door opener and fold down the front door.
- Insert the removal hook (1) supplied behind the rollers (2) and push off the rollers.

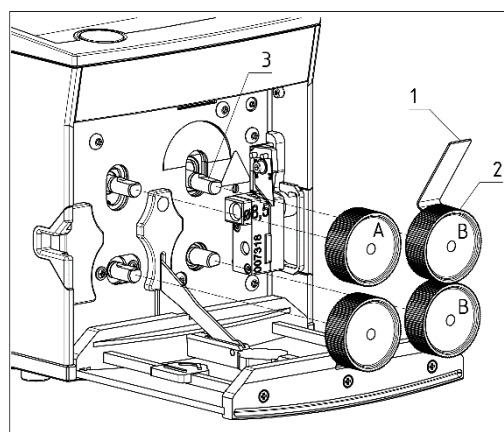


NOTE:

Replace the drive rollers (B) in pairs only.

Pay attention to the flat guiding surface (3) when mounting.

- Replace the rollers (for ordering data see page 26).
- Fold up the front door.
- Plug in the mains plug again.



Maintenance

Replacing the cutters

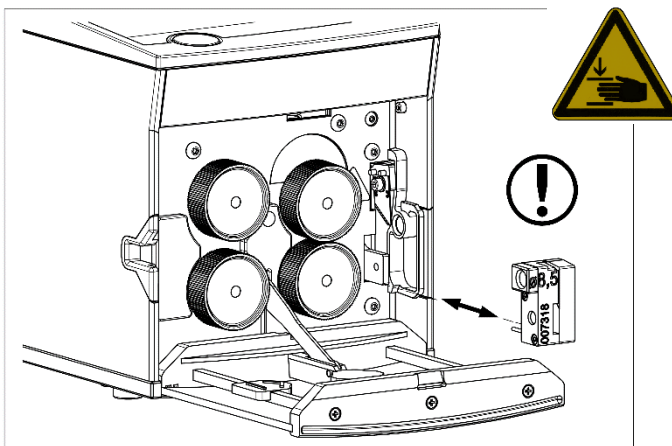
Removing the tube guide



WARNING: Risk of injury!

Switch of the LC 160 SL and disconnect the mains plug.

- Press the door opener and fold down the front door.
- Pull the tube guide out to the front.



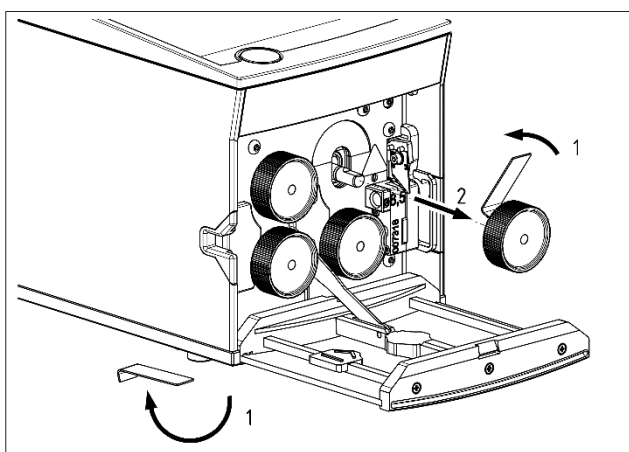
Removing the drive rollers



WARNING: Risk of injury!

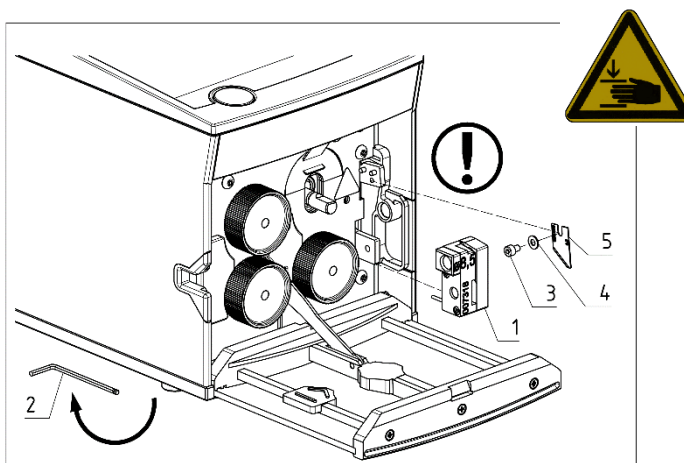
Switch of the LC 160 SL and disconnect the mains plug.

- Press the door opener and fold down the front door.
- Insert the removal hook (1) supplied behind the rollers (2) and push off the rollers.



Removing cutting blade

- Remove the tube guide (1)
- Loosen the screw (3) and the washer (4) with the Allen key supplied (2).
- Remove the cutting blade (5).



ATTENTION:

When installing the cutting blade, make sure that it is correctly aligned (course of the cutting edge). Labeling to top!

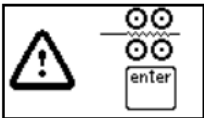
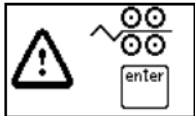


ATTENTION:

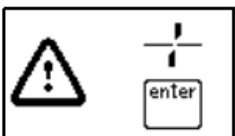
When installing the rollers, pay attention to the position of the guide surfaces on the shafts.

Malfunktions

Error messages on the Display

Display	Cause	Remedy
	Front door is open.	Close front door.
 The error is triggered when the motor receives current but the metering rollers are not turning.	The metering roller does not detect a hose.	Insert a new hose.
	While conveying the cable, it jammed or made a knot. The drive rollers slip.	Check if there is a jam or knot.
	The force required to unwind the hose is too large. The drive rollers slip.	Check if the force required to unwind the hose is too large.
	The rollers do not convey the hose properly. The drive rollers slip.	- Adjust the clamping pressure of the drive rollers (see page 17). - Replace the drive rollers (see page 17). - Use drive rollers that suited to the hose (see page 26).
	The metering roller slips past the hose.	- Check if the metering roller is worn. - Use a metering roller that suits the hose (see page 26).
 The error is triggered when the motor current increases too fast.	While conveying the hose, it jammed or made a knot. The drive rollers are locked or are about to lock.	Check if there is a jam or knot.
	The force required to unwind the hose is too large. The drive rollers are locked or are about to lock.	Check if the force required to unwind the hose is too large.

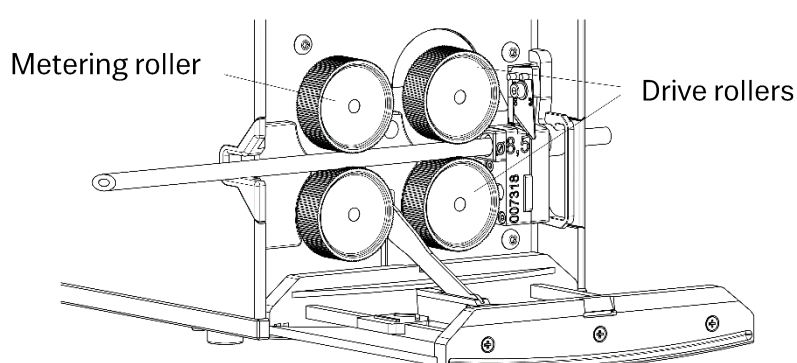
Malfunctions

	Maximum cutting force exceeded.	• Check if the hose cross section is too large or if the hose is for some other reason not suitable. • Switch the cutter (see page 18).
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Press the „enter“ key to delete the error message.

Metering and drive rollers

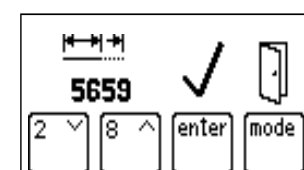
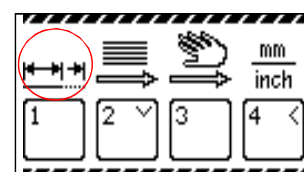


The length cut is wrong

- Check if the drive or metering rollers are worn and replace them.
- Adjust the clamping pressure of the drive rollers (see page 17).
- If the insulation of the hose is very hard, the metering roller can be exchanged with a PU roller or a steel roller (see page 17).

If the actual length cut is not consistent with the length set, the LC 160 SL has to be readjusted.

- Press and hold the „mode“ button for approx. six seconds until this display appears.
- Press the „1“ key to adjust the length.
A value for length adjustment is displayed (here: 5659).
This value indicates the number of pulses per meter.
- The „2“ key lowers this value and with it the length conveyed.
The „8“ key raises this value and with it the length conveyed.
- Press the „enter“ key to save the value and return to mode selection.
With the „mode“ button, you can return to mode selection without saving.



Malfunctions

LC 160 SL will not switch on

No mains connection

- Check whether the mains plug is connected to the LC 160 SL mains connection and the shock-proof plug is connected to the mains socket.
- Make sure that the power supply at the mains socket is OK.

Mains fuse blown



WARNING: Risk of injury!

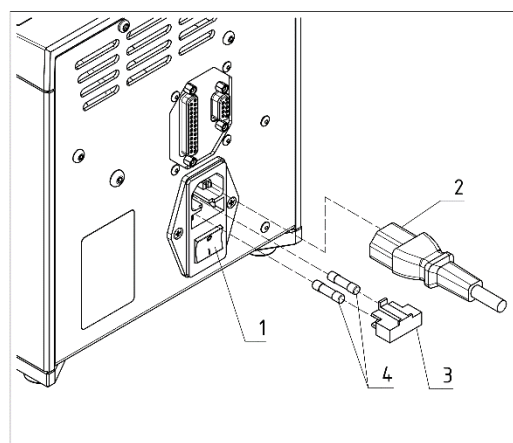
Switch off the LC 160 SL (1) and disconnect the mains plug (2).

- Remove the fuse holder (3).
- Check the mains fuses (4).
- Replace the blown mains fuse (for ordering data see page 26).
- Push the fuse holder back in



NOTE:

The fuse holder should snap into place.



Technical appendix

Technical data LC 160 SL

Mains connection	90 V ... 264 V / 47 Hz ... 63 Hz
Power consumption	150 VA
Cutting performance	Up to 10 mm
Maximum throughput	10 mm
Cross section setting	automatisch
Number of cuts	1 – 9999 Stück
Length of cuts	2mm - 999999mm / 0,1 in. – 99999,9 in.
Feed rate	Max. 0,5 m/s
Interface	RS-232
Dimensions (W x H x D)	194 mm x 228 mm x 301 mm
Weight	10kg

Type plate



Technical appendix

EU-Declaration of Conformity

Hersteller / *Manufacturer*: GLW GmbH
Anschrift / *Address*: Steinbeisstrasse 2, 88353 Kisslegg, Germany
Produktgruppe / *Product group*: Ablängautomat / *Automatic cable/tube cutter*

Produktbezeichnung /
Product description:
LC 100
LC 100 SL
LC 160
LC 160 SL

Gültig ab SN / *Valid from SN*:
LC 100 222457
LC 100 SL 241403
LC 160 1700001
LC 160 SL 4600001

Das vorstehend bezeichnete Produkt stimmt mit den wesentlichen Anforderungen der nachfolgenden Richtlinie(n) und deren Änderungsrichtlinien überein / *The above mentioned product is in line with the essential requirements of the below directive(s) and their modification directive(s)*:

Machinery (MD)	2006/42/EG
Electromagnetic compatibility (EMC)	2014/30/EU
Restriction of the use of certain hazardous substances (RoHS)	2011/65/EU

Für die Beurteilung der Übereinstimmung wurden folgende einschlägige Normen herangezogen:
For evaluation of the conformity following relevant standards were consulted:

EN ISO 13854:2019	EN ISO 12100: 2010	EN ISO 13857:2019
EN IEC 63000:2018	EN 60204-1: 2018	EN 55014-2:2015
EN 55014-1:2017	EN ISO 13849-1:2023	

Diese Erklärung bescheinigt die Übereinstimmung mit den wesentlichen Anforderungen der genannten Richtlinie(n), enthält jedoch keine Zusicherung von Eigenschaften. Die Sicherheits- und Einbauhinweise der mitgelieferten Produktdokumentation sind zu beachten.

This declaration certifies the conformity with the essential requirements of the indicated directive(s), it does not, however, covenant any characteristics. The instructions for safety and installation of the enclosed product documentation have to be observed.

Kisslegg, 05.08.2024



Felix Weiland
Steinbeisstr. 2, 88353 Kisslegg, Germany
Managing Director
Responsible for the technical documentation

Technical appendix

UK Declaration of Conformity

Hersteller / Manufacturer:	GLW GmbH
Anschrift / Address:	Steinbeisstrasse 2, 88353 Kisslegg, Germany
Produktgruppe / Product group:	Ablängautomat / Automatic cable/tube cutter
Produktbezeichnung / Product description:	LC 100 LC 100 SL LC 160 LC 160 SL
Gültig ab SN / Valid from SN:	LC 100 222457 LC 100 SL 241403 LC 160 1700001 LC 160 SL 4600001



Das vorstehend bezeichnete Produkt stimmt mit den wesentlichen Anforderungen der nachfolgenden Richtlinie(n) und deren Änderungsrichtlinien überein / *The above mentioned product is in line with the essential requirements of the below directive(s) and their modification directive(s):*

Supply of Machinery (Safety) Regulations	2008
Electromagnetic Compatibility Regulations	2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations	2012

Für die Beurteilung der Übereinstimmung wurden folgende einschlägige Normen herangezogen:
For evaluation of the conformity following relevant standards were consulted:

EN ISO 13854:2019	EN ISO 12100: 2010	EN ISO 13857:2019
EN IEC 63000:2018	EN 60204-1: 2018	EN 55014-2:2015
EN 55014-1:2017	EN ISO 13849-1:2023	

Diese Erklärung bescheinigt die Übereinstimmung mit den wesentlichen Anforderungen der genannten Richtlinie(n), enthält jedoch keine Zusicherung von Eigenschaften. Die Sicherheits- und Einbauhinweise der mitgelieferten Produktdokumentation sind zu beachten.

This declaration certifies the conformity with the essential requirements of the indicated directive(s), it does not, however, covenant any characteristics. The instructions for safety and installation of the enclosed product documentation have to be observed.

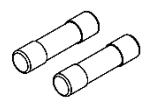
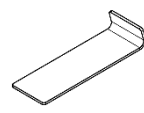
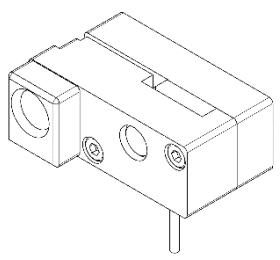
Kisslegg, 05.08.2024

 Felix Weiland
 Steinbeisstr. 2, 88353 Kisslegg, Germany
 Managing Director
 Responsible for the technical documentation

Technical appendix

Ordering data

Spare parts

Part		Article no.
Drive /metering rollers Standard rollers		006788 (1 pair)
Rollers (with PU-contact surface)		006789 (1 pair)
Rollers (with a hardened, finely knurled steel contact surface)		006790 (1 pair)
Mains fuse T 2A / 250V (20 x 5 mm)		006202 (1 pair)
Removal hook		002090
LC 100SL2 tube guides with diameter Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8,5		007301 007302 337313 007314 007315 007316 007317 007318
LC 160 SL tube guide Ø 10 (with outlet guide Ø 12 and cutting blade with straight cutting edge)		014160
LC 100 SL cutting blade STANDARD 0,5 up to Ø 8,5		006793
LC 100 SL/160SL cutting blade with straight cutting edge for Ø 10		007263

Cutting machine

Part	Article no.
LC 160 SL tube cutting machine	013888

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