

MC 40-1 MC 40L

OPERATING INSTRUCTIONS

START UP



www.glw.de



This manual is available in several languages in the download center.

www.glw.de/downloads

Content

Content.....	3
Security.....	1
Basic information.....	1
Intended use.....	1
Permitted operators.....	1
Work sites.....	2
For your safety.....	2
Description of the MC 40.....	3
Scope of supply.....	3
Suitable ferrules and retrofit kits.....	4
Overview of the operating components.....	5
Control panel.....	6
Starting up and operating.....	7
Selecting the installation site.....	7
Determine the cross section.....	7
Stripping and Crimping.....	8
Maintenance.....	10
Daily care.....	10
Adjusting and changing the stripping blade.....	11
Retrofitting.....	13
Changing the cross section.....	13
Changing the crimping length.....	15
MC 40-1 Activate Speed Up.....	16
Troubleshooting.....	17
MC 40 does not run after being switched on.....	17
Start process is not being initiated.....	18
Conductor insulation is not removed completely.....	18
Ferrule in-feed is disturbed.....	19
Display Error symbols.....	20
Technical appendix.....	21
Technical Data.....	21
Name plate.....	22
EU-Declaration of Conformity.....	23
UK Declaration of Conformity.....	24
Spare parts.....	25

Security

Security

Basic information

For greater clarity, only the order designation MC 40 is used throughout this document.
For safe handling and trouble-free operation of the MC 40, you must be familiar with and observe the safety notes.

Intended use



WARNING: The MC 40 is intended solely for stripping and crimping.

- In doing so, the conductor and ferrules with cross section or sleeve length according to “Suitable ferrules and retrofit kits” on page 5 are to be used.
- Only the PVC-insulated conductors may be inserted into the insertion funnel on the MC 40 for processing. Under no circumstances should solid metal parts or other similar objects be inserted. This damages the stripping blade.
- Unauthorized conversions that exceed the scope of modification, and changes to the MC 40 are not permitted for safety reasons.



NOTE: Correct usage includes observing all notes and complying with the predefined operating conditions.



WARNING: The MC 40 may only be used

- as intended and
- when in safe and fault-free condition.



WARNING:

All persons responsible for commissioning, operating and maintenance of MC 40 must

- be appropriately qualified and
- adhere strictly to this user manual.

With the MC 40, you can either:

- Strip conductors automatically or
- Strip conductors automatically and crimp with ferrules.

Flexible conductors of class 2 and 5 standard according to DIN VDE 0295 and ferrules as loose products according to DIN 46228-4 are processed.



NOTE: Use only ferrules and spare parts from GLW.

Permitted operators

Only authorized and instructed operators may work with the MC 40.

The operator is responsible for all other persons within the workspace.

The owner must

- make the user manual available to the operator and
- ensure that the operator has read and understood it.

Security

Work sites



NOTE: For 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 to 35°C).



NOTE:

If the machine is moved from a cold location to a warm location, condensation can form.

- Before using the MC 40, open the front door and allow condensation to evaporate.



NOTE:

- Do not spill liquids on the MC 40.
- Do not expose the MC 40 to strong vibrations or shocks.



NOTE:

- Protect the compressed air hoses from heat, oil and sharp edges.

For your safety



WARNING:

The front door is installed for the safety of the operator. Under no circumstances must it be modified, removed or bypassed using attachments.



WARNING:

- Only use filtered compressed air with a maximum pressure of 6 bar.



WARNING:

- Only operate the MC 40 when the front door is closed.
- Disconnect the mains plug and the compressed air plug prior to all work that requires opening the front door (e.g., retrofitting, remedial action).
- Switch off the MC 40 and disconnect the device from the compressed air during a break or when the device is not in use.
- Do **not** pull on the compressed air hose to disconnect the compressed air.
- Make sure that there are no foreign objects inside the housing.

For safety reasons, the MC 40 automatically switches itself off if the compressed air is disconnected.



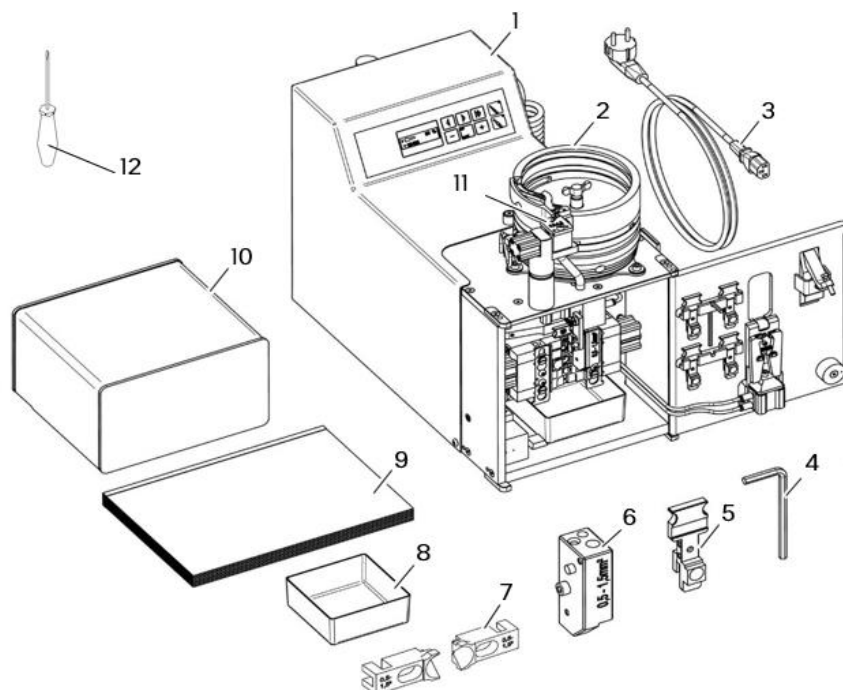
WARNING:

Before opening the housing, disconnect the mains plug and disconnect the device from the compressed air.

Description of the MC 40

Description of the MC 40

Scope of supply



1. Basic device
2. Feeder bowl
3. Mains cable
4. Hexagonal wrench
5. Sleeve receiver
6. Reversing base sleeve
7. Cord-centering funnel
8. Waste box
9. User manual
10. Covering hood
11. Separation plate

The components have the same color-code as the ferrules (according to DIN color range)

12. Screwdriver

Device	Scope of supply	
MC 40-1 and MC 40L	Basic device	
	Mains cable	
	Waste box	
	Covering hood	
	Hexagonal wrench	45/32"
	Screwdriver	
Only MC 40-1	Feeder bowl	0.5 ... 1.5 mm ²
	Separation plate	0.5 ... 1.5 mm ²
	Cord-centering funnel	0.5 ... 1.5 mm ²
	Reversing base sleeve	0.5 ... 1.5 mm ²
	Sleeve receiver	0.5 / 0.75 / 1.0 / 1.5 mm ² , 4 items
	Crimping jaws	0.5 ... 2.5 mm ² (≥ 12 mm crimping jaws)
	Stripping blade with blade holder	

Description of the MC 40

Suitable ferrules and retrofit kits

With the MC 40, you can either:

- strip conductors automatically or
- strip conductors automatically and crimp with ferrules.

Flexible conductors of class 2 and 5 standard according to DIN VDE 0295 and ferrules as loose products according to DIN 46228-4 are processed.

The following loose ferrules can be processed with the MC 40:

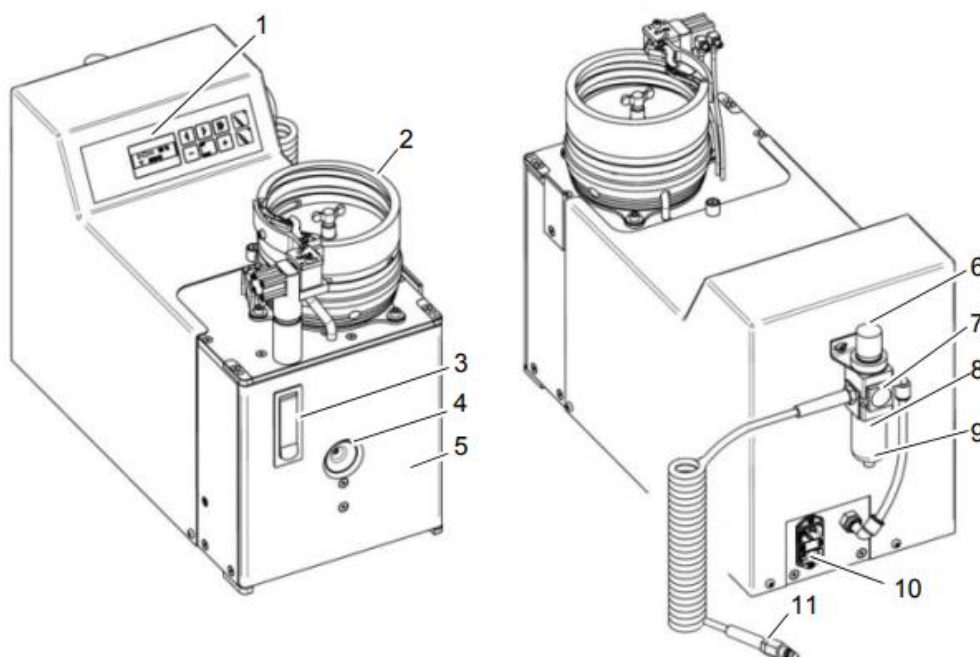
Basic device	Cross-section mm²	Sleeve length mm	DIN-color range	Comment	Order No.
MC 40-1	0.25/0.34	6	yellow/	MC 40-TOOLKIT 0.34/ 6-8	006646
	0.25/0.34	8	turquoise		
	0.5	6	white		Included in MC 40-1
	0.5	8			
	0.5	10			
	0.5	12			
	0.75	6	gray		
	0.75	8			
	0.75	10			
	0.75	12			
	1.0	6	red		
	1.0	8			
	1.0	10			
	1.0	12			
	1.5	6	blue		
	1.5	8			
	1.5	10			
	1.5	12			
2.5	8 10 12	blau	MC 40-TOOLKIT 2.5	006645	
4.0	10	gray	MC 40-TOOLKIT 4.0/10	006650	
MC 40L	4.0	10 12	gray	MC 40L-TOOLKIT 4/10-12	006630
	6.0	12	yellow	MC 40L-TOOLKIT 6-12	006813
	10,00	12	red	MC 40L-TOOLKIT 10-12	006814

The MC 40 retrofit kit ...-TOOLKIT-... is a case that contains:

- Feeder bowl
- Reversing base sleeve
- Cord-centering funnel
- Sleeve receiver
- Separation plate
- Stripping blade (not required MC 40-TOOLKIT 2.5)
- Crimping jaws (not required MC 40-TOOLKIT 2.5)

Description of the MC 40

Overview of the operating components



1. Control panel: See page 7 for description
2. Feeder bowl: Storage holder for ferrules
3. Door lock:
Locks the front door.
The front door is opened by pressing the lower segment and is closed by pressing on the upper segment.
4. Insertion funnel: The conductor is inserted through the insertion funnel in the MC 40.
5. Front door:
Protects the operator from moving parts in the MC 40.
The MC 40 only works when the front door is closed.
6. Air pressure regulator:
Setting the air pressure
Set the air pressure by pulling the regulator upwards and turning to the right (+) or left (-).
7. Manometer: Display of the air pressure set using the air pressure regulator.
8. Water separator: Container for condensation
9. Drain valve: For draining the water separator
10. Main connection:
Device connection for the power cable with integrated micro-fuse and switch, wide range power supply unit 120 ... 240
11. Compressed air connection: Device connection to the compressed air supply

Description of the MC 40

Control panel

Button	Display	Button function
 	 	Select operating mode <u>Strip only</u> For testing the incision depth of the blade. The LED on the button lights up. <u>Strip and crimp</u> The LED on the button lights up.
  	 	Changing the speed of the feeder bowl Increases the speed of filling the feeder bowl if new ferrules have been filled. Display shows 100%. The speed of the feeder bowl can be changed using the arrow buttons. The speed is shown in percent in the display.
 2 s		Setting the counter to zero Pressing the set/reset button for two seconds resets the counter to zero.
 5 s	  	Changing the counting direction Pressing the set/reset button for five seconds changes the counting direction. The counting direction is shown in the display. ▲ Forwards (1, 2, 3, ...) ▼ Backwards (... , 3, 2, 1) When counting backwards, a checkered flag appears at 0 items. The device can no longer be started. Turn the MC 40 off and on again. The MC 40 changes to forward mode.
    		Changing the counter reading with backwards counting Press the set/reset button briefly to change the counter reading. The selected number flashes. The selected number can be changed using the plus or minus button. Another position within the five digit number can be selected using the arrow buttons. To save, press the set/reset button again.

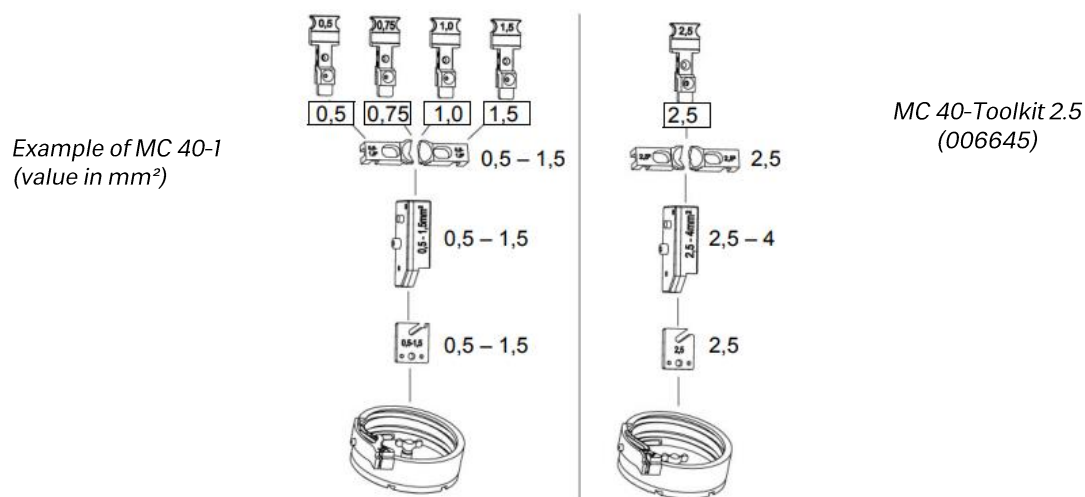
Starting up and operating

Selecting the installation site

- NOTE:** The device must be set up on a level and horizontal surface.
- NOTE:** For 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).
- NOTE:**
- If the machine is moved from a cold location to a warm location, condensation can form.
- Before using the MC 40, open the front door and allow condensation to evaporate.
- NOTE:**
- Do not spill liquids on the MC 40.
 - Do not expose the MC 40 to strong vibrations or shocks.
- NOTE:** Protect the compressed air hoses from heat, oil and sharp edges.

Determine the cross section

Check that the MC 40-1 is equipped for the desired cross section.
If necessary, upgrade the MC 40-1 (see "Retrofitting" on page 13).



Starting up and operating

Stripping and Crimping

With the MC 40, you can either:

- Strip conductors automatically or
- Strip conductors automatically and crimp with ferrules.

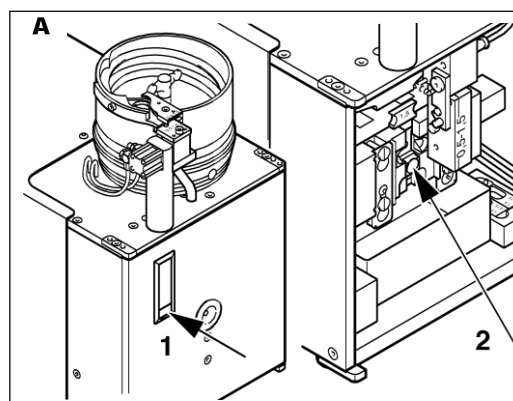
• **Checking the sleeve receiver**



WARNING: Risk of injury!

Disconnect the mains plug and the compressed air before you open the front door!

- Switch off the MC 40 with the mains switch.
- Disconnect the mains plug.
- Disconnect the compressed air connection.
- Open the front door (1).

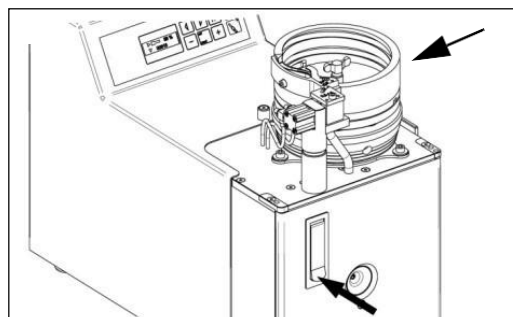


• **A Stripping**

- Check that the sleeve receiver and litz wire centering funnel are compliant for the conductor cross section.
Change the sleeve receiver if necessary (see page 14).
- Check whether sleeve receiver (2) is free from ferrules.

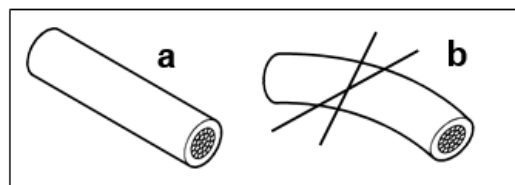
• **B Stripping and crimping**

- Check for the correct cross section setting.
Modify if necessary (see page 20).
- Fill ferrules into the feeder bowl
(max. 500 pieces (MC 40-1) /
max. 200 pieces (MC 40L)).
- Close front door.



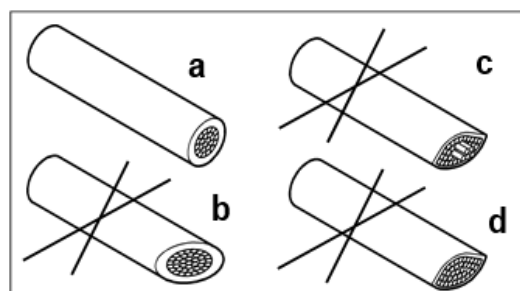
• **Aligning the conductor**

- The conductor has to be aligned as straight as possible before processing.
- a) Bend is OK, maximum 2 – 3 mm at 60 mm length
b) Bend too large



• **Cutting the conductor**

- Cut the conductor off in a clean and straight motion, for example.
- a) Proper cut
b) Cut surface angled
c) Cut surface squeezed, single conductors pulled out
d) Cut surface squeezed



Starting up and operating

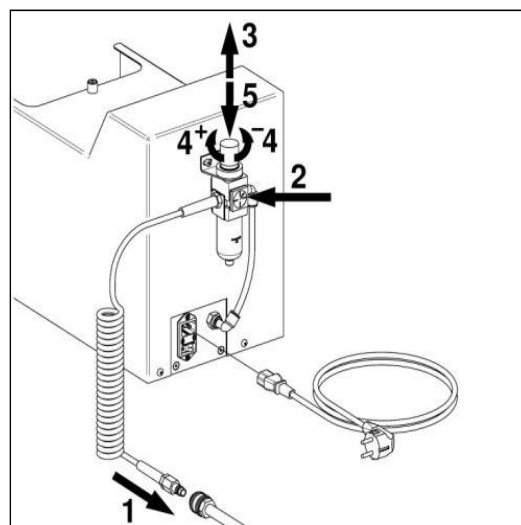
• Connecting MC 40



MC 40-1: 5 bar... 6 bar of filtered air

MC 40L: 5.5 bar... 6.5 bar of filtered air

- Connect compressed air connection (1) to the compressed air supply.
- Check air pressure at manometer (2):
operating pressure 5.5 bar, at least 5 bar (MC 40-1)
operating pressure 6 bar, at least 5.5 bar (MC 40L)
- Set air pressure, if necessary. Pull the air pressure regulator (3) upwards, set the air pressure by turning (4) to the right (+) or left (-) and then press the regulator (5) downwards.
- Connect the mains plug to the MC 40 mains connection and the shock-proof plug to the mains socket.



• Stripping conductors

A Stripping

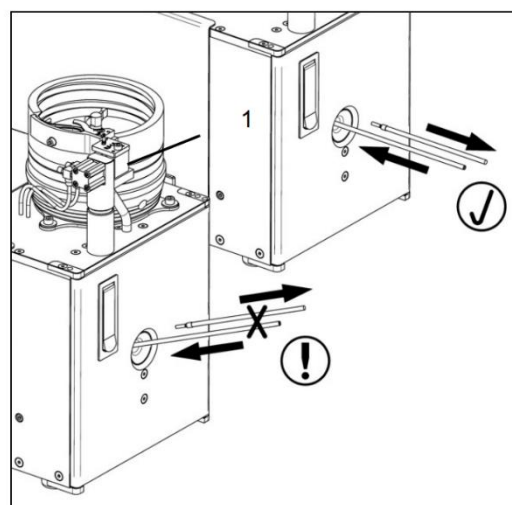


Press the "Strip" button.

B Stripping and crimping



Press the "Strip and crimp" button.
Set the speed of the feeder bowl.
Wait until the ferrule is visible at the separation plate (1).



A and B

- Insert the conductor straight into the insertion funnel until it stops.
As soon as the MC 40 starts, hold the conductor with slight tension.
The conductor is automatically stripped.
- When the MC 40 has stopped, pull the conductor out.



In the event of a malfunction or improper stripping, see page 24.

Shutting down

- If necessary, read the counter and reset to zero.
- Switch off the MC 40 with the mains switch.

Maintenance

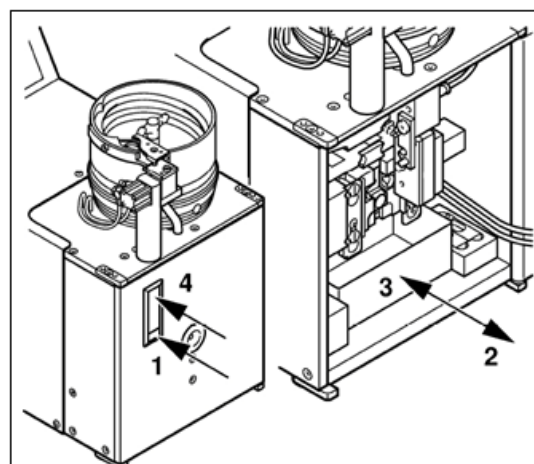
Daily care

• Cleaning MC 40

**WARNING: Risk of injury!**

Disconnect the mains plug and the compressed air before you open the front door!

- Switch off the MC 40 with the mains switch.
- Disconnect the mains plug.
- Disconnect the compressed air connection.
- Open the front door (1).
- Empty the drawer (2).
- Clean the inside.
- Replace the drawer (3).
- Close the front door (4).



• Checking the level of condensation

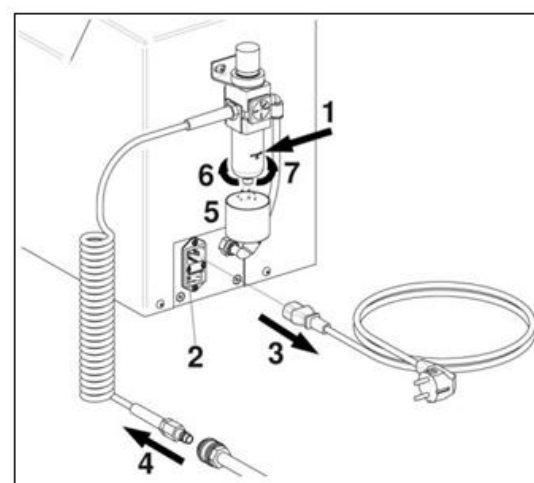
**WARNING: Risk of injury!**

Disconnect the mains plug and the compressed air before opening the drain valve!

- Check the water level in the water separator (1).

If water is in the water separator:

- Switch off the MC 40 at the mains switch (2).
- Disconnect the mains plug (3).
- Disconnect the compressed air connection (4).
- Store the container (5).
- Open the drain valve (6).
- Drain the water.
- Close the drain valve (7).
- Plug in the mains plug.
- Connect the compressed air connection.



Maintenance

Adjusting and changing the stripping blade

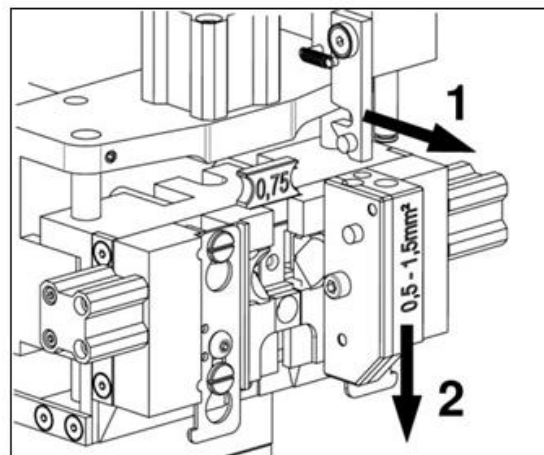
• Removing the stripping blade



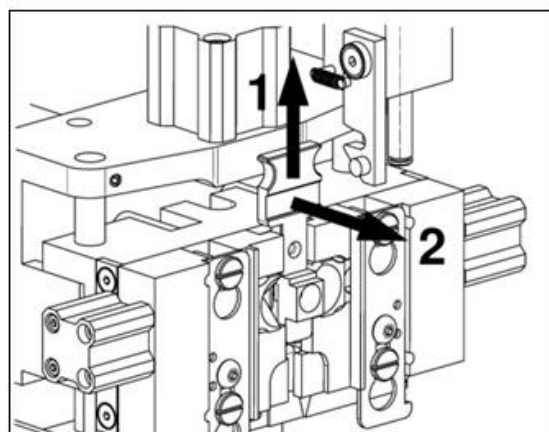
WARNING: Risk of injury!

Disconnect the mains plug and the compressed air before you open the front door!

- Pull the release lever (1) forwards.
- Remove the reversing base sleeve (2) downwards.



- Pull the sleeve receiver (1) upwards, remove from the holder (2).



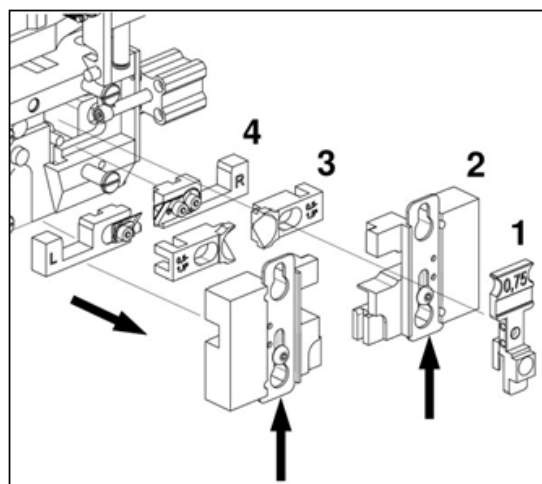
- Slide the slide upwards and pull the holder (2) forwards.
- Remove the second holder in the same way.
- Remove the cord-centering funnels (3) to the left and right.



WARNING: Risk of injury!

The stripping blades are sharp.
Be careful not to injure yourself.

- Take out both the left and right stripping blades (4).
- Worn-out or damaged blades must be replaced.
- If the blades are still in working order, the malfunction can be rectified by correcting the incision depth on the right-side blade.



Maintenance

• **MC 40-1: Changing the stripping blade**

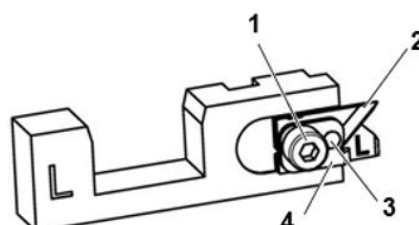


WARNING: Risk of injury!

The stripping blades are sharp. Be careful not to injure yourself.

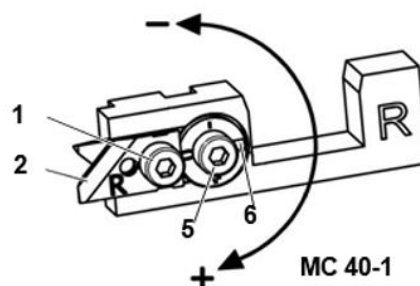
Left blade

- Unscrew the Allen screw (1) and take out the old blade (2).
- Put new blade on the pin (3).
- Fix the limit plate (4).
- Tighten the Allen screw (1).



Right blade

- Unscrew the Allen screw (1) and take out the old blade (2).
- Fix new blade.
- Loosen the Allen screw (5).
- Attach tappet over the groove (6) at the correct incision depth (0 = initial position).
- Press the blade against the tappet and tighten both Allen screws (1) and (5).



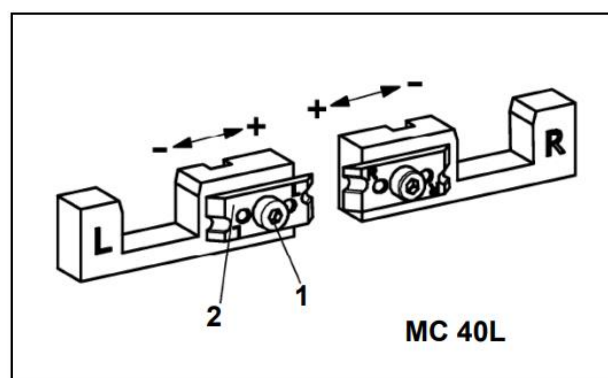
• **MC 40L: Changing the stripping blade**



WARNING: Risk of injury!

The stripping blades are sharp. Be careful not to injure yourself.

- Unscrew the Allen screw (1) and take out the old blade (2).
 - Attach the new blade to the guiding pin (3).
 - Adjust the incision depth of the stripping blade to the conductor to be processed. Adjusting the blade changes the incision depth by ± 0.25 mm.
 - Tighten Allen screw (1).
 - Check incision depth by stripping a conductor.
- The copper strands must not be cut by the stripping blade.



Retrofitting

Retrofitting

Changing the cross section

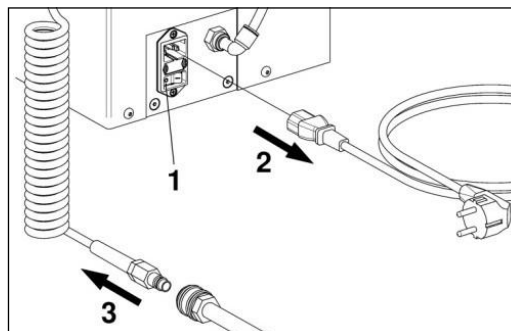
• Preparing the modification



WARNING: Risk of injury!

Disconnect the mains plug and the compressed air before you open the front door!

- Switch off the MC 40 with the mains switch (1).
- Disconnect the mains plug (2).
- Disconnect the compressed air connection (3).
- Open the front door.



Retrofit kits, see page 11.

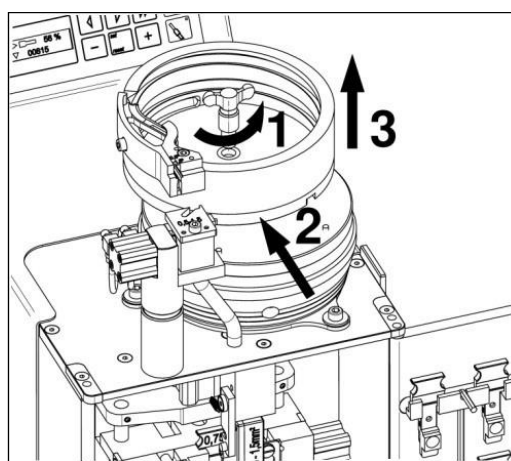
• Changing the feeder bowl



MC 40-1: Change the feeder bowl during a cross section change from 0.5/0.75/1.0/1.5 ↔ 2.5.

MC 40L: Change the feeder bowl every time the cross section is changed.

- Unscrew the winged screw (1).
- Move the feeder bowl to the side (2), pull upwards (3) and empty.



NOTE:

Ensure that all ferrules are removed, especially from the slot under the baffle.

- Attach the feeder bowl in such a way that it slides into the centering pins and tighten the winged screw.

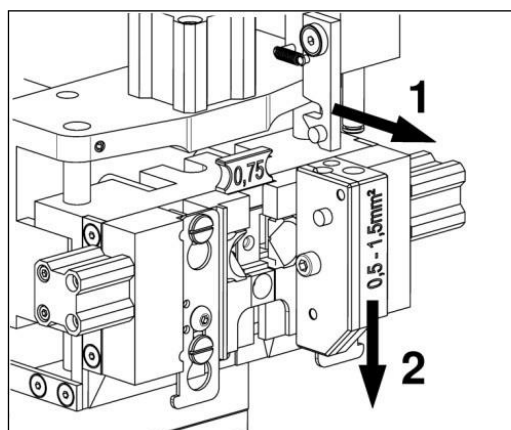
• Changing the reversing base sleeve



MC 40-1: Change the reversing base sleeve during across section change from 0.5/0.75/1.0/1.5 ↔ 2.5.

MC 40L: Change the reversing base sleeve every time the cross section is changed.

- Pull the release lever (1) forwards.
- Remove the reversing base sleeve (2) downwards.
- Hold the release lever in the forward position and attach the reversing base sleeve with the desired cross section.
- Lock the release lever into place.



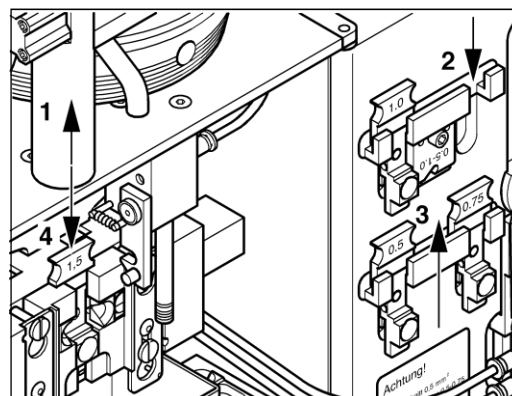
Retrofitting

• Changing the sleeve receiver



The sleeve receiver must be changed every time the cross section is changed.

- Remove the reversing base sleeve (see page 13).
- Pull the sleeve receiver (1) upwards, remove from the holder and insert into the transport holder (2).
- Insert the sleeve receiver into the holder using the desired cross section (3) and push downwards (4).



NOTE: Check for correct lock-in position.

- Install reversing base sleeve.

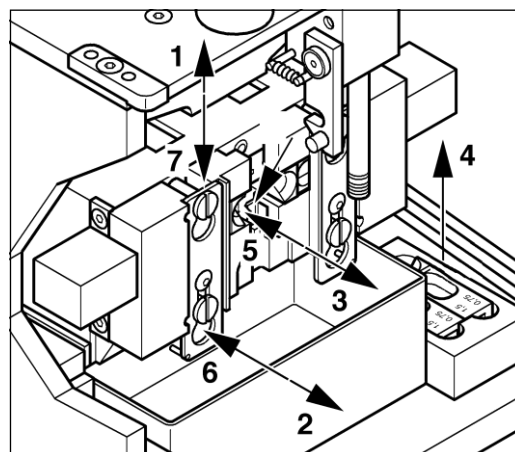
• Changing the cord-centering funnel



MC 40-1: The cord-centering funnels must be changed during a 0.5... 1.5 ↔ 2.5 cross section change.

MC 40-L: The cord-centering funnels must be changed every time the cross section is changed.

- Remove the reversing base sleeve and sleeve receiver (see above).
- Slide the slide (1) upwards and pull the holder (2) forwards.
- Remove the second holder in the same way.
- Remove both cord-centering funnels (3).
- Attach the cord-centering funnels onto the driving pins (5) with the desired cross section (4).
- Attach the holders (6) and press the slide (7) downwards.
- Install the sleeve receiver and reversing base sleeve.



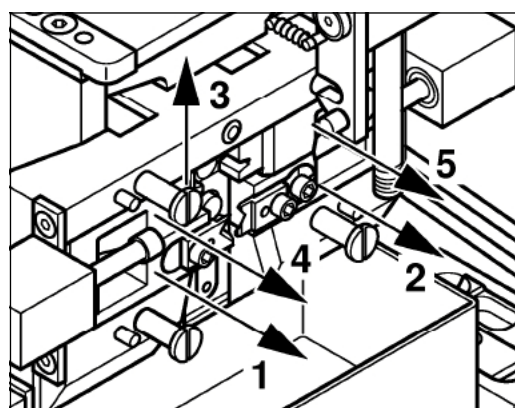
• Change the stripping blade and crimping jaws.



MC 40-1: No change.

MC 40L: The crimping jaws and stripping blade must be altered during a cross section change.

- The steps for removing the cord-centering funnels are mentioned above.
- Take out both of the stripping blades (1 + 2).
- Slide the cassette (3) upwards.
- Take out both of the crimping jaws (4 + 5).
- Attach in the reverse order.



NOTE: Check for correct lock-in position.

Retrofitting

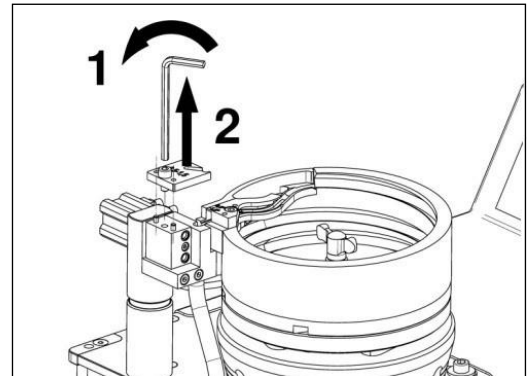
• Changing the separation plates



MC 40-1: The separation plates must be changed during a 0.5...1.5 ↔ 2.5 cross section change.

MC 40L: The separation plates must be changed during a 4 ↔ 6 ↔ 10 cross section change.

- Unscrew the separation plate (1) using the hexagonal wrench and remove (2).
- Remove the separation plate from the retrofit kit with the desired cross section and attach in place of the previous separation plate.

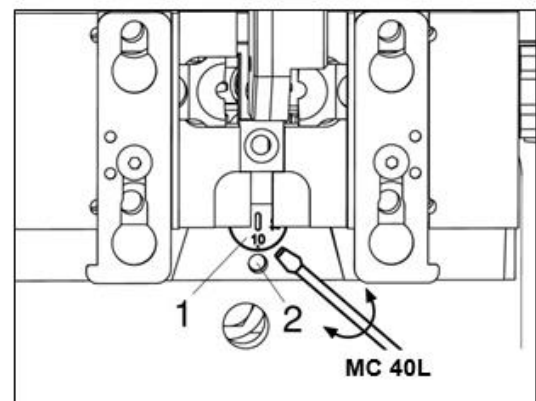
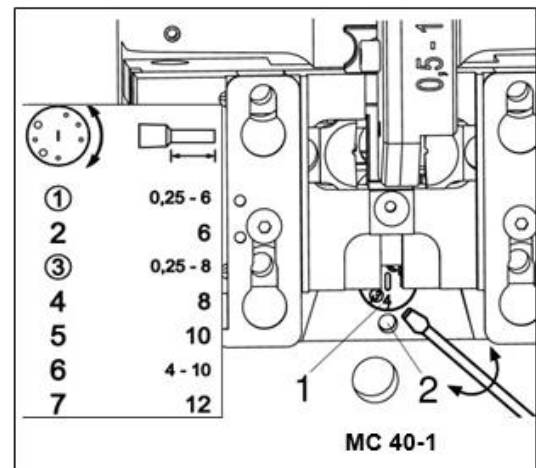


Changing the crimping length



The crimping length is changed using a rotary dial.

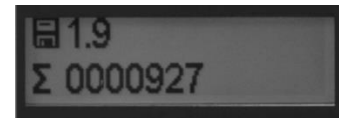
- Insert the rotary dial (1) at the desired crimping length using a screwdriver. The selected value is shown via the red marker (2).



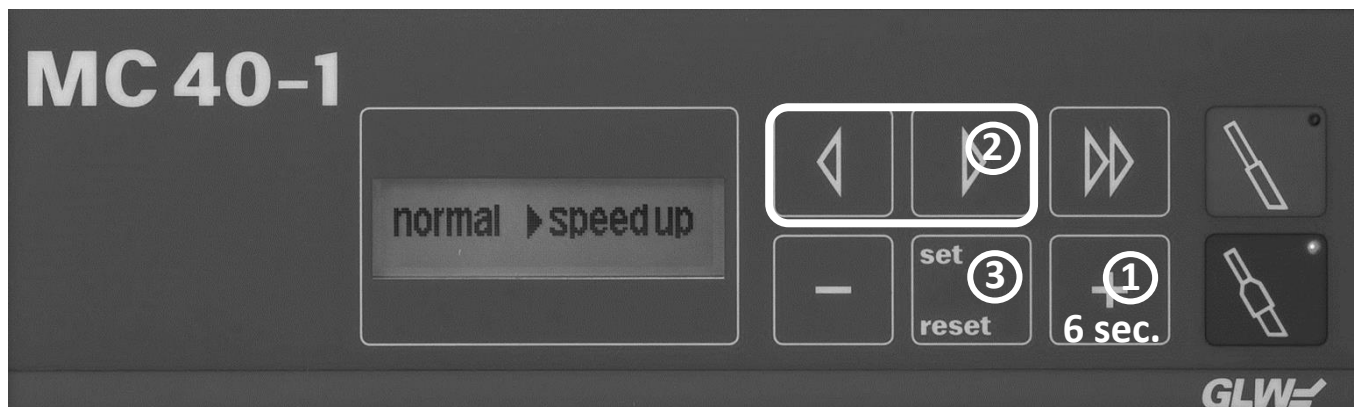
Retrofitting

MC 40-1 Activate Speed Up

Die Speed Up-Funktion ist ab Software-Version 1.9 verfügbar.
(sichtbar während der Boot-Phase)



It reduces the cycle time of the machine (MC 40-1 only !) by 30%.



1. Press the "+" – button for about 6 s until the Speed Up – menu appears (1).
 2. With the "<" – and ">" – button you can switch between Normal- and Speed Up – mode (2).
cycle time: Normal = 1.2 s / Speed Up = 0.8 s
 3. confirm the selection with "set" (3).
- In Normal-mode the ferrule is loaded at cycle start.
 - In Speed Up-mode the ferrule is already loaded at the end of the previous crimping process.
 - When switching to Speed Up-mode we recommend to put a ferrule in the locator before the first crimp. Thereby the wire is already supplied with a ferrule after the first process.
 - When switching to Normal-mode remove the preloaded ferrule from the locator and confirm the display message with "set".

Troubleshooting

Troubleshooting

MC 40 does not run after being switched on

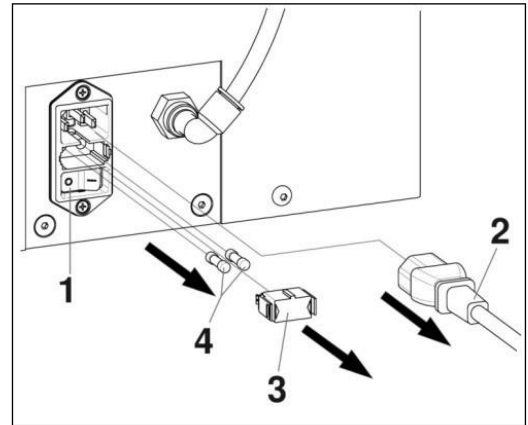
- **Check the mains fuse**



WARNING: Risk of injury!

In order to check the mains fuse, the mains connection has to be open.
Disconnect the main plug first!

- Switch off the MC 40 with the mains switch (1).
- Disconnect the mains plug (2).
- Pull out the fuse holder (3).
- Checking the mains fuse (4).
- Replace the defective mains fuse.
- Insert the fuse holder.



NOTE: The fuse holder should snap into place.

- **Check the air pressure**

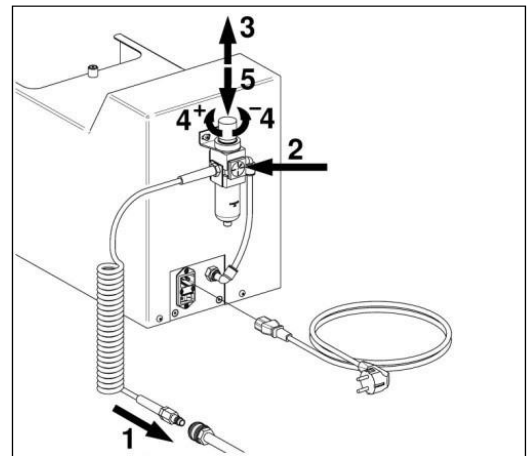
- Disconnect the compressed air connection (1).
- Check the air pressure at the manometer (2)

No pressure present:

- Check whether the compressed air connection is connected to the compressed air supply.
- Check whether the compressed air supply is O.K.

Pressure is not 5 bar/6 bar:

- Pull the air pressure regulator (3) upwards.
- Set the air pressure by turning (4) to the right (+) or left (-).
- Then press the regulator (5) downwards.



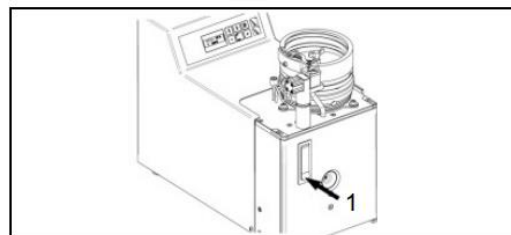
Troubleshooting

Start process is not being initiated

If the conductor is inserted, the MC 40 will not start.

- **Check the front door**

- Check that the front door (1) is completely closed and locked.



- **Check the air pressure**

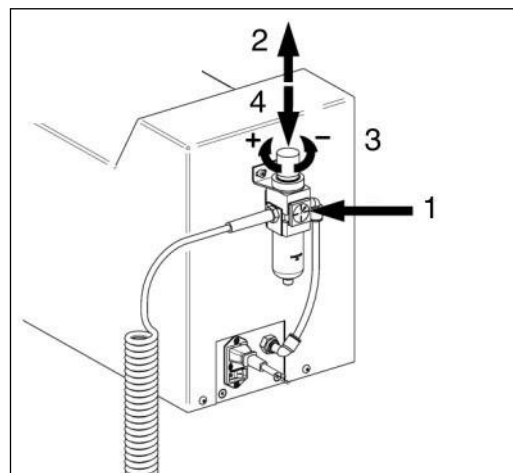
- Check air pressure at the manometer (1)

No pressure present:

- Check whether the compressed air connection is connected to the compressed air supply.
- Check whether the compressed air supply is O.K.

Pressure is not 5 bar/6 bar:

- Disconnect the compressed air connection.
- Pull the air pressure regulator (2) upwards.
- Set the air pressure by turning (3) to the right (+) or left (-).
- Then press the regulator (4) downwards.



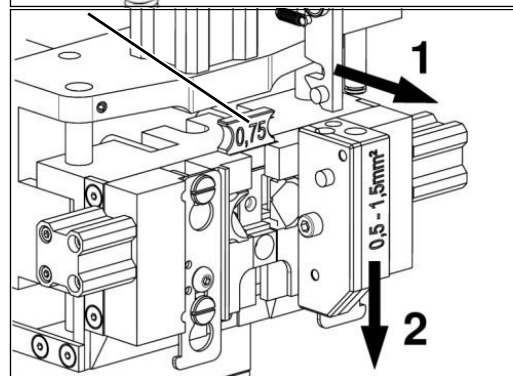
- **Check sleeve receiver**



WARNING: Risk of injury!

Disconnect the mains plug and the compressed air before you open the front door!

- Pull the release lever (1) forwards.
- Remove the reversing base sleeve (2) downwards.
- Check that the sleeve receiver (3) is positioned correctly and is snapped into place in the ball latch.
- Install sleeve receiver.
- Close front door.



Conductor insulation is not removed completely

- **Check cross section**

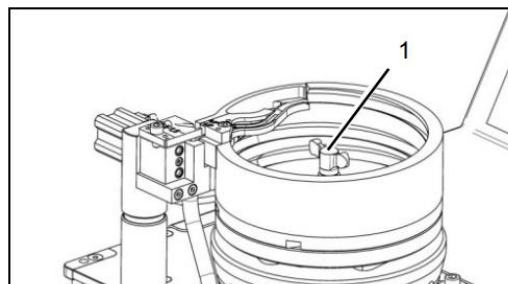
- If the conductor isn't properly stripped, first check that the MC 40 is fitted with the correct retrofit kit.
- Adjust the retrofit kit to suit the selected conductor cross section (see page 13).
- Also check the conductor cross section.
- If the malfunction continues despite having the correct retrofit kit, check the stripping blade (see page 11).

Troubleshooting

Ferrule in-feed is disturbed

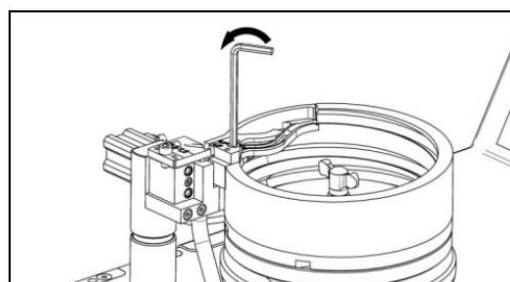
• **Check the feeder bowl**

- Check if the winged screw (1) is loose, if necessary, retighten.
- Tuck the ferrules into the transport grooves.
- Change the speed of the feeder bowl.



• **Check the baffles**

- Switch off the MC 40 at the mains switch.
- Unscrew the baffle covering with the hexagonal wrench.
- Remove the defect ferrules.



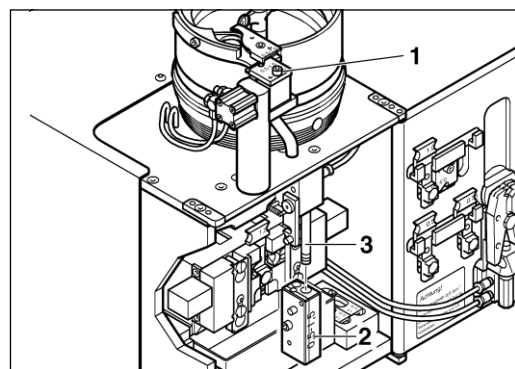
• **Check the sleeve feeding**



WARNING: Risk of injury!

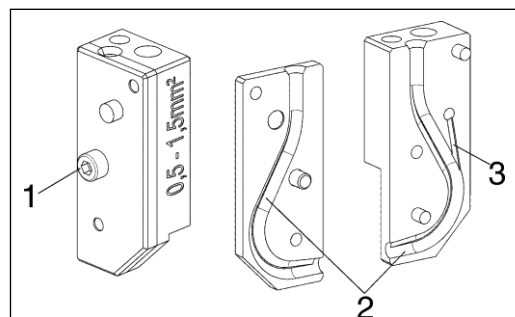
Disconnect the mains plug and the compressed air before you open the front door!

- Unscrew the separation plate (1) using the hexagonal wrench.
- Remove the reversing base sleeve (2).
- Push the cable through the feeder (3) and, if necessary, remove the crimped ferrules.



• **Check the reversing base sleeve**

- Unscrew Allen screw (1) on the reversing base sleeve using a hexagonal wrench and open the reversing base sleeve.
- Remove the crimped ferrules.
- Clean the feeder channel (2) and air pressure channel (3).



Troubleshooting

Display Error symbols



Attention

Malfunction will be displayed by this caution icon. The corresponding error symbol will be followed by caution icon.



Cycle

Cycle time exceeded:

- Check air pressure
- Wrong stripping length adjustment (Position 1 (0.25² - 6) in combination with Locator 0.5 - 1.5 mm² generates an error)
- Start sensor S1 defective
- Feed cylinder defective
- Foreign object in the machine which blocks further driving



EEPROM

Fault detected in stored system values, which will be replaced by default values after confirmation. Should any problems occur in the course of process, the machine should be returned to the manufacturer.



Keypad

Error in key evaluation for example due to electromagnetic interferences. Correction by turning the MC 40 off and on. From software version V1.6 this error will be automatically corrected by the system.



Short circuit

Error in the cabling of the MC 40.

Technical appendix

Technical Data

Mains connection	120 V/60 Hz ... 230 V/50 Hz
Power consumption	50 VA
Compressed air connection	• MC 40-1 • MC 40L • At least 5 bar, maximum 6 bar • 1/4"-plug-in nipple inner thread (Standard-Norm) at least 5.5 bar, maximum 6.5 bar
Compressed air consumption	1,2 l/cycle
Cycle time	• MC 40-1 • MC 40L • 1,3 s • 1.5 s
Workspace	• MC 40-1 • MC 40L • 0.25 mm² ... 4 mm² • 4 mm² ... 10 mm²
Ferrules	loose according to DIN 46228-4
Crimping	Trapezoidal
Conductor	Class 2 and 5 according to DIN VDE 0295
Control	Electrical/pneumatical
Counter	5-digit, can be reset
Dimension (W x H x D)	240 mm x 390 mm x 490 mm
Weight	28 kg
Emission sound ressure level (LpA)	< 70 dB (A)

Technical appendix

Name plate

GLW
CRIMPING TECHNOLOGY
GLW GmbH Steinbeisstr. 2, 88353 Kisslegg

MODEL: MC 40-1
ORD.NO.: 006218
BUILT: 2024

SERIAL NO.: 
9999999

CROSS SECTION: 0.25 - 4 mm²
FUSE: 2x T 2 A
POWER SUPPLY: 100-240VAC/50-60Hz/50VA
COMPRESSED AIR: min. 5 - max. 6 bar

Made in Germany

GLW
CRIMPING TECHNOLOGY
GLW GmbH Steinbeisstr. 2, 88353 Kisslegg
www.glw.de

MODEL: MC 40L
ORD.NO.: 006222
BUILT: 2025

SERIAL NO.: 
9999999

CROSS SECTION: 4 - 10 mm²
FUSE: 2x T 2 A
POWER SUPPLY: 100-240VAC/50-60Hz/50VA
COMPRESSED AIR: 5.5 - 6.5 bar

Made in Germany

Technical appendix

EU-Declaration of Conformity

Manufacturer: GLW GmbH
Address: Steinbeisstrasse 2, 88353 Kisslegg, Germany
Product group: Stripping and crimping machine
Product description: **MC 40-1**
MC 40L
Valid from SN: 162527

The product described above conforms to the essential requirements of the following directive(s) and their amending directives:

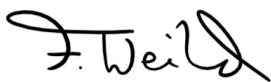
Machinery Directive (MD)	2006/42/EG
Electromagnetic compatibility (EMC)	2014/30/EU
Restriction of the use of certain hazardous substances (RoHS)	2011/65/EU

The following relevant standards were used to assess compliance:

EN ISO 13854:2019	EN ISO 4414:2010	EN ISO 12100: 2010
EN ISO 13849-1:2015	EN ISO 14120 :2015	EN ISO 13857:2019
EN IEC 63000:2018	EN 60204-1: 2018	EN 61000-3-2:2019
EN 61000-3-3:2019	EN 82079-1:2020	EN 55014-1:2017
EN 55014-2:2016		

This declaration certifies conformity with the essential requirements of the said Directive(s), but does not constitute a guarantee of characteristics. The safety and installation instructions in the supplied product documentation must be observed.

Kisslegg, 28.08.2023



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

Technical appendix**UK Declaration of Conformity**

Manufacturer: GLW GmbH
Address: Steinbeisstrasse 2, 88353 Kisslegg, Germany
Product group: Stripping and crimping machine
Product description: **MC 40-1**
MC 40L
Valid from SN: 162527

The product described above complies with the essential requirements of the following directive(s) and their amending directives:

Machinery (Safety) Regulations	2008
Regulation on electromagnetic compatibility	2016
The Restriction of the Use of Certain Hazardous	
Ordinance on the Restriction of the Use of	
Certain Hazardous Substances in Electrical and Electronic Equipment	2012

The following relevant standards were used to assess compliance:

EN ISO 13854:2019
EN ISO 13849-1:2015
EN IEC 63000:2018

EN ISO 4414:2010
EN ISO 14120 :2015
EN 60204-1: 2018

EN ISO 12100: 2010
EN ISO 13857:2019
EN 61000-3-2:2019

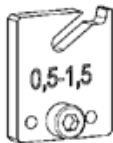
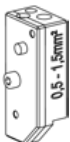
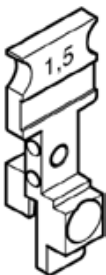
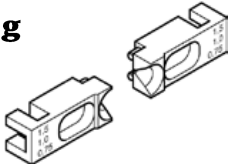
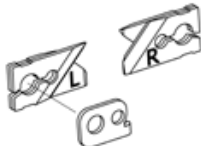
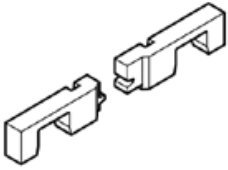
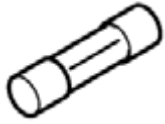
This declaration certifies conformity with the essential requirements of the said Directive(s), but does not constitute a guarantee of characteristics. The safety and installation instructions in the supplied product documentation must be observed.

Kisslegg, 28.08.2023

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

Technical appendix

Spare parts

Part	Cross section	Order No.	MC 40-1	MC 40L
Feeder bowl 	0.25 – 0.34 mm ² 0.5 – 1.5 mm ² 2.5 mm ² 4 mm ² (2.5 mm ² GB) 6 mm ² 10 mm ²	006602 006601 008989 006603 006651 006652	X X X X - -	- - - X X X
Separation plate 	0.25/0.34 mm ² 0.5 – 1.5 mm ² 2.5 mm ² 4 mm ² 6 mm ² 10 mm ²	006653 006654 006655 006656 006657 006658	X X X X - -	- - - X X X
Reversing base sleeve 	0.25/0.34 mm ² 0.5 – 1.5 mm ² 2.5/4 mm ² 6 mm ² 10 mm ²	004755 004666 004758 004757 004759	X X X - -	- - X X X
Sleeve receiver 	0.14 mm ² 0.25/0.34 mm ² 0.5 mm ² 0.75 mm ² 1 mm ² 1.5 mm ² 2.5 mm ² 4 mm ² 4 mm ² 6 mm ² 10 mm ²	006649 006597 006389 006390 006391 006392 006393 006598 006816 009865 006515	X X X X X X X X - - -	- - - - - - - X X X
Cord-centering funnel 	0.25/0.34 mm ² 0.5 – 1.5 mm ² 2.5 mm ² 4 mm ² 6 mm ² 10 mm ²	006604 006521 006605 006522 006659 006660	X X X X - -	- - - X X X
Stripping blade 	0.25 – 2.5 mm ² 4 mm ² 6 mm ² 10 mm ²	006642 003371 003841 003842	X X - -	- X X X
Crimping jaws 	0.25–0.34 mm ² 0.5–2.5 mm ² 4 mm ² – 10 mm 4 mm ² – 12 mm 6 mm ² – 12 mm 10 mm ² – 12 mm	006506 006504 004764 006661 006662 006663	X X X - - -	- - - X X X
Mains fuse 	T2A/250V 5 x 20 mm	004177	X	X

GLW GmbH
Steinbeisstraße 2
88353 Kisslegg
Germany
Tel. +4975639123-0
service@glw.de

Copyright on these operating instructions is held
by the company GLW.

Reprinting, copying or translation of this
document, either in whole or in part, is not
permissible without our express.

© 2025 GLW GmbH