

Manual
Wire Stripper CS 60



Date of issue: 02/2011

Please keep for further use!

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Basic information

The basic requirement for safe, failure-free operation of the CS 60 is that the safety information is noted and observed.

It's a question of your safety!

The safety information must be observed by **all** persons working with the CS 60.

In addition, the rules and regulations applicable to the site of operation, particularly those concerning accident prevention, must be observed.

Symbols

The following symbols are used in this manual:



Indicates a potential **risk of accident and injury** or **potential damage** to the CS 60.



Indicates correct use or setting.



Indicates **information for use**.

General Safety Notices

The CS 60 is constructed according to recognised safety rules.

It is equipped with protective devices.

Nevertheless, in case of maloperation or misuse, risk is posed to

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

The CS 60 is to be used only

- for its intended use and
- in flawless condition as regards safety requirements.

All persons involved in the initial operation of the CS 60, operating and maintaining it, must

- have the appropriate qualifications and
- follow this manual closely.

Intended use

The CS 60 is intended solely for stripping the insulation off single- and multi-strand conductors (wires).

Very hard insulation damages the stripping blades and must not be processed.

Do not insert any solid metal components and articles liable to damage the blades and clamping jaws.

Changes to the CS 60 are prohibited for safety reasons!



Observance of all information and compliance with the prescribed operating conditions form part of intended use.

Hazard area

The CS 60 may be operated only with the waste tray in place and in fully intact condition, as it simultaneously acts as a protective hood.

Switch the stripper off during breaks and when it is not in use.

Workplaces

The following locations are to be avoided for operating and storing the stripper:

- damp or dusty locations,
- locations exposed to great heat, direct sunlight or low temperatures (operating range: 10°C to 40°C).

Do not spill any liquids on the CS 60.

Do not subject the CS 60 to high vibration or impact.

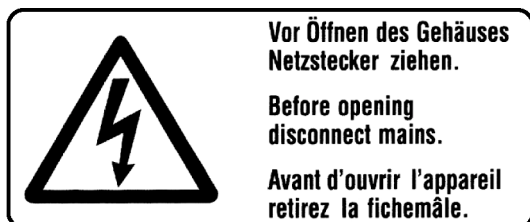
Protective devices

The CS 60 is switched off by

- the on/off switch (0 pressed, display off).
- disconnecting the power connector.
- disconnecting the waste tray (protective hood).

The waste tray (protective hood) is necessary for the user's safety. Under no circumstances may it be changed, removed or evaded by making modifications.

A sign on the base of the stripper alerts to existing danger.



Authorised users

Only authorised users who have received instruction on the CS 60 are allowed to work with it.

The user is responsible for third parties in the working area.

The operator must

- make the manual available to the user and
- satisfy himself that the user has read and understood it.

Warranty

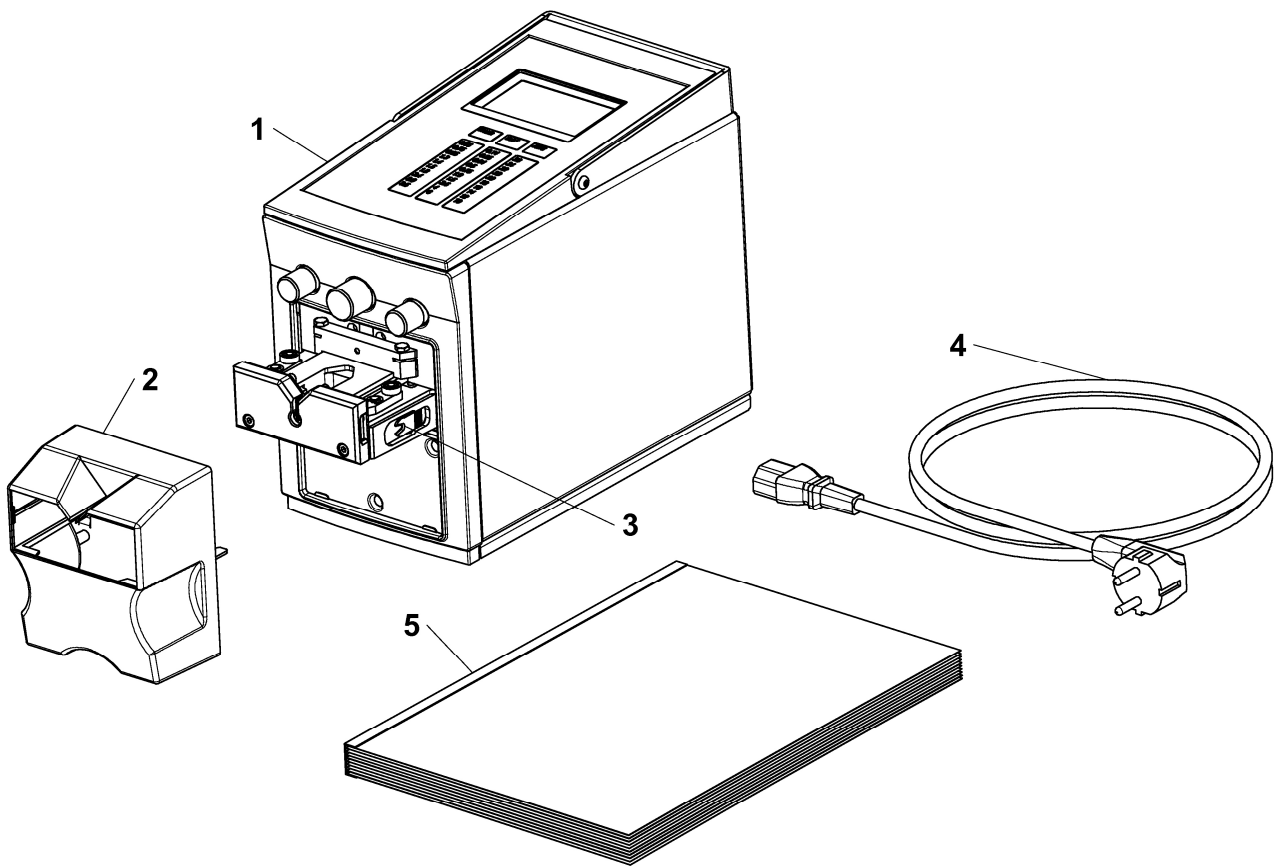
Our “General sales terms and delivery conditions” basically apply. They are available to the operator, at the latest when the contract is concluded.

Warranty and liability claims in the event of damage to persons and property are excluded in the following cases:

- Use of the CS 60 other than as intended.
- Improper workplaces.
- Improper use and use beyond that specified in the manual.
- Unauthorised structural changes to the CS 60.
- Continued use of the CS 60 once malfunction has been established.
- Repairs improperly carried out.



Use original spare parts only.

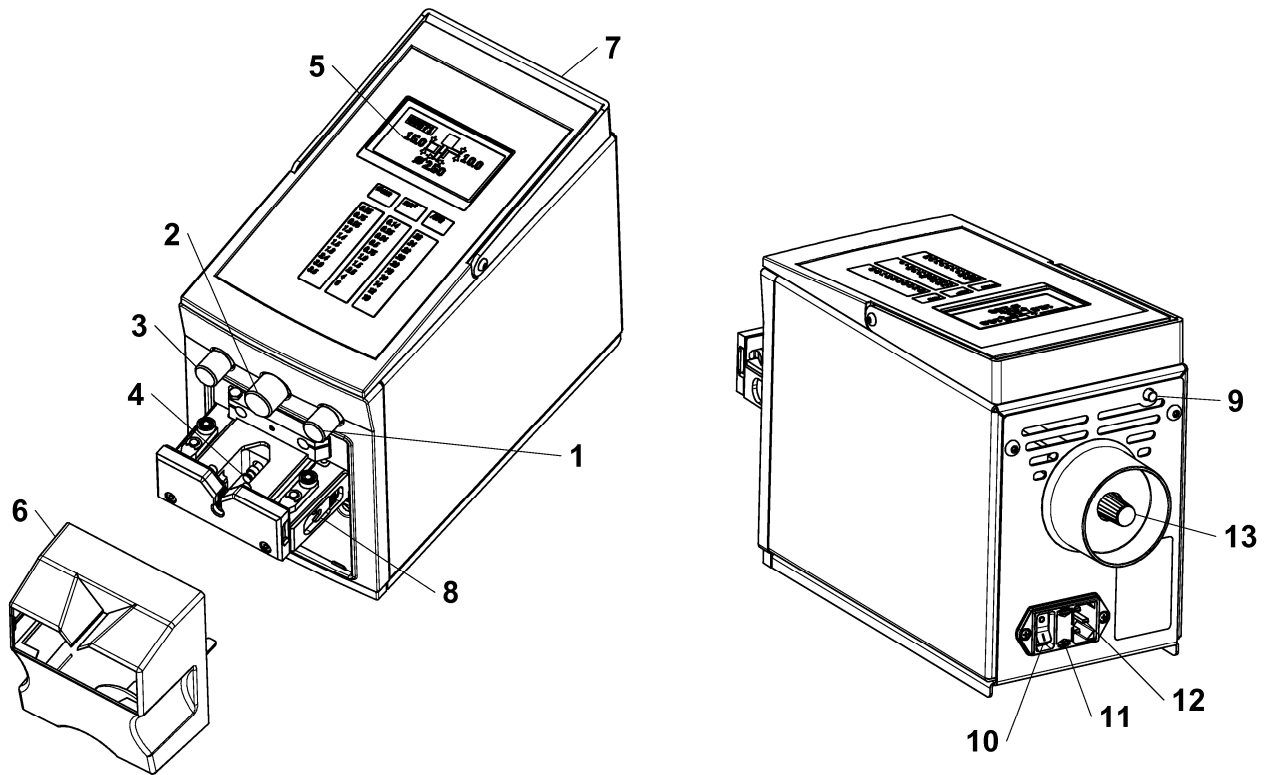
Product contents

- 1 Basic stripper CS 60
- 2 Waste tray (protective hood)
- 3 Centering aid

- 4 Power cable
- 5 Manual

DESCRIPTION

Overview of operating elements



- | | | | |
|---|-------------------------------|----|---------------------------------|
| 1 | Rotary knob, pull-off length | 8 | Centering aid |
| 2 | Rotary knob, cutting diameter | 9 | Reset button |
| 3 | Rotary knob, stripping length | 10 | On/off switch |
| 4 | Start button | 11 | Mains fuse |
| 5 | LC display | 12 | Power connector |
| 6 | Waste tray (protective hood) | 13 | Manual operation, motor spindle |
| 7 | Carrying handle | | |

Function of operating elements

- | | | |
|-----------|---|---|
| 1 | Rotary knob
pull-off length | For setting the pull-off length. If the value is greater than the stripping length, the remaining insulation is pulled completely off the cable. If the value is smaller, part is pulled off. |
| 2 | Rotary knob
diameter | For setting the conductor diameter.

(cutting depth) |
| 3 | Rotary knob
stripping length | For setting the stripping length. |
| 4 | Start button | The start button is pressed by the cable and the stripping is started. |
| 5 | LC display | Display of settings, messages and errors. |
| 6 | Waste tray
(protective hood) | Acts as a protective hood and simultaneously collects waste insulation. |
| 7 | Carrying handle | For convenient transport of the stripper. |
| 8 | Centering aid | Assists the centering of thin wires |
| 9 | Reset button | To reset the piece counter and acknowledge messages or entries. |
| 10 | On/off switch | Switches the power supply on and off. After switch-on, the LC display is illuminated. |
| 11 | Mains fuses | Microfuses (2 pcs.) integrated in the power connector. |
| 12 | Power connector | Device coupler for power cable. |

INITIAL OPERATION

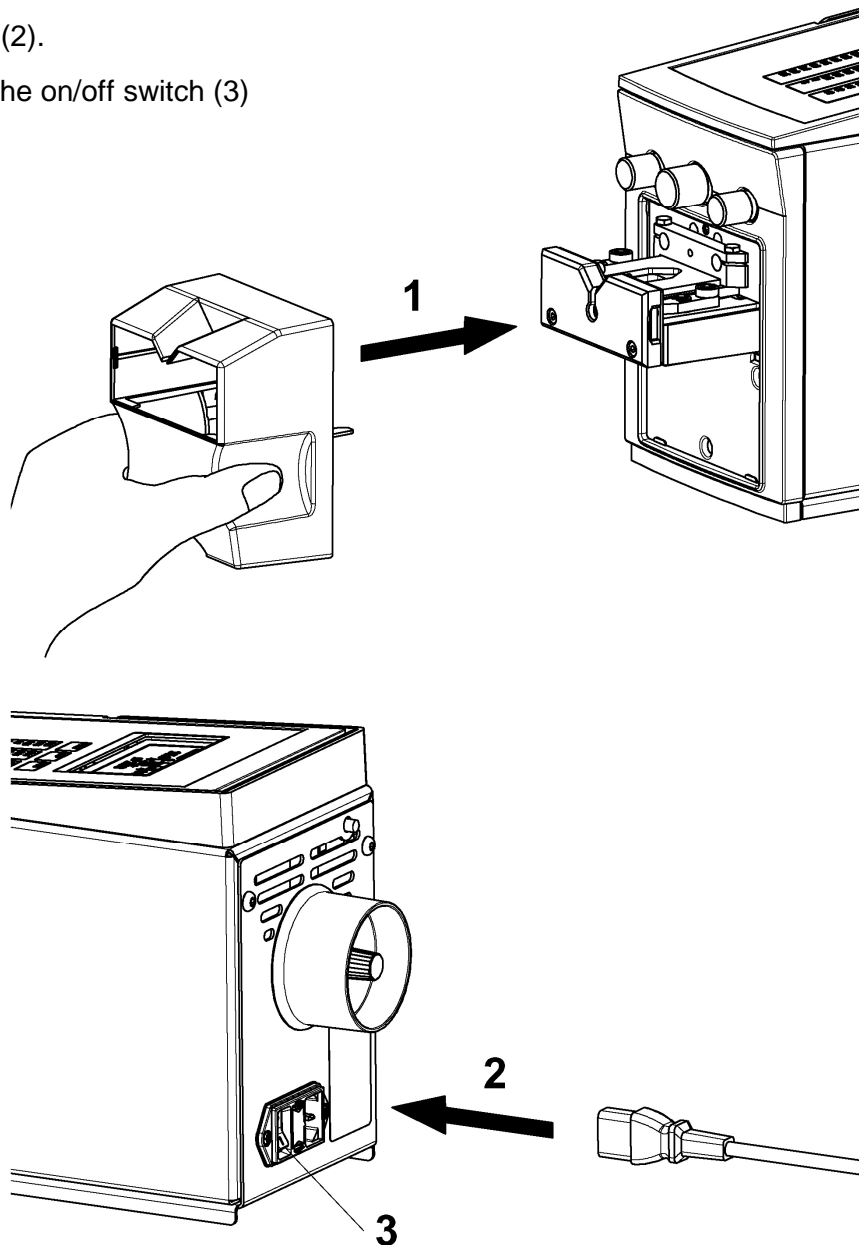
1. Selecting the site

The site must be level and horizontal.

 The conditions in the **SAFETY** section, workplaces, must be observed.

2. Making the stripper ready for use

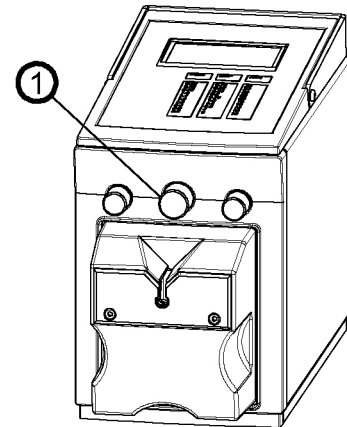
- Attach the waste tray (protective hood) (1).
- Connect the power cable (2).
- Switch on the stripper at the on/off switch (3)



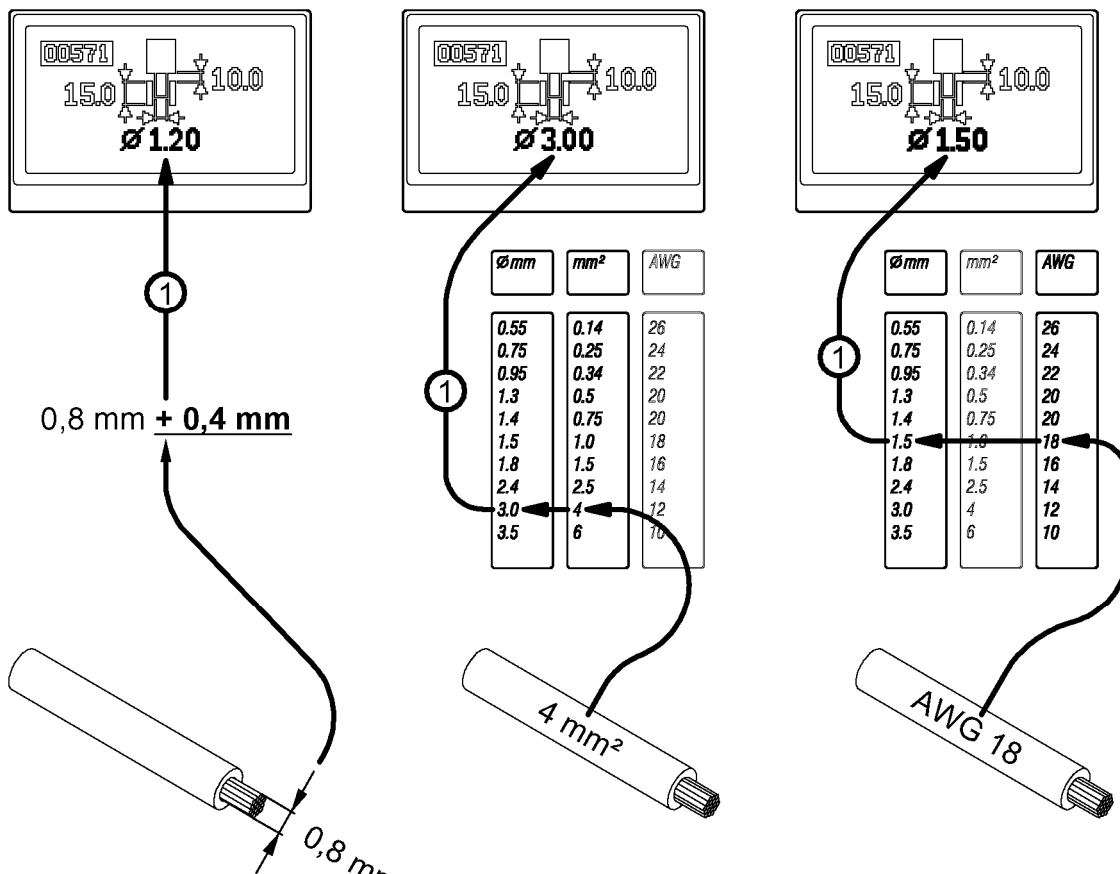
OPERATION

1. Setting the diameter

Presetting has to be carried out to prevent damage to the stripping blades.



Follow one of the three illustrated examples.



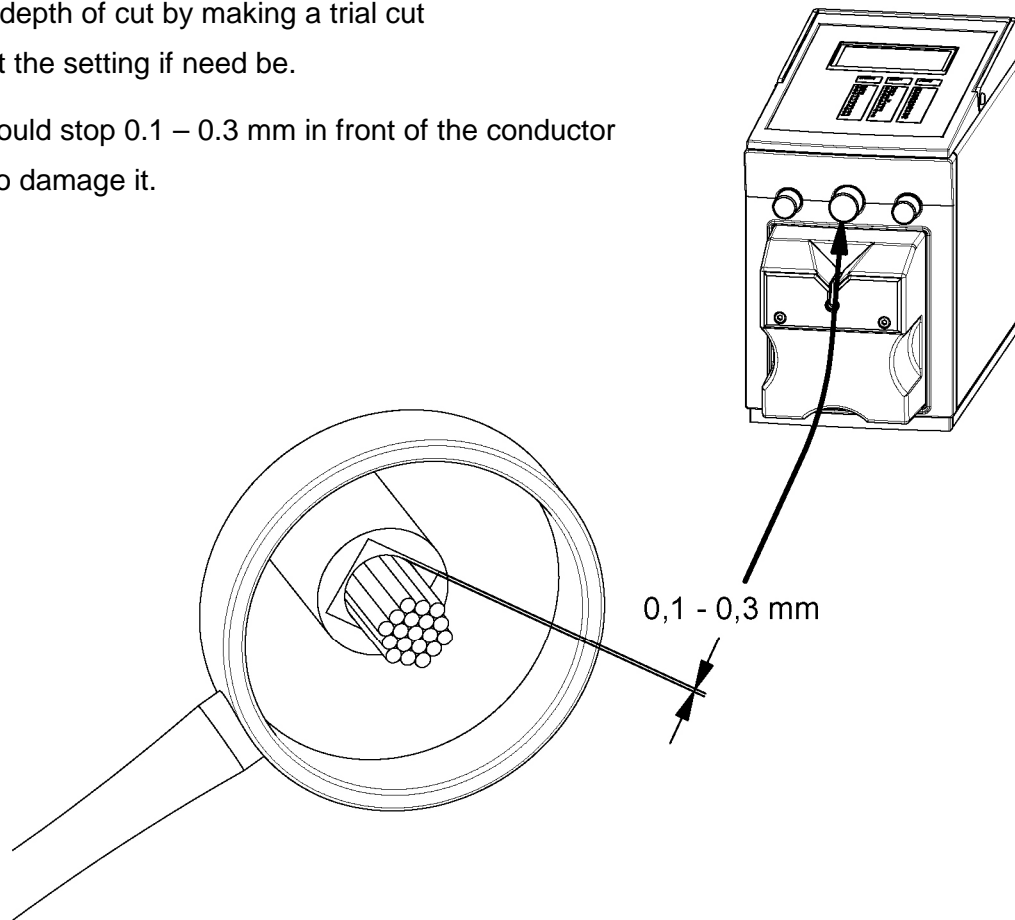
- Establish the diameter of the conductor (in mm) and add to it a safety margin of **± 0.4 mm**.
- Alternatively, you can read out the conductor diameter (mm²) or AWG values from the printed table and use them for entry. The safety margin is already included in the table.
- Set the middle rotary knob to the value.

OPERATION

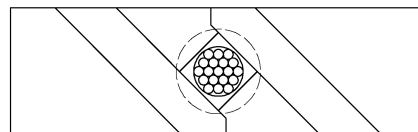
2. Correct the diameter

Check the depth of cut by making a trial cut and correct the setting if need be.

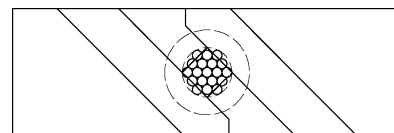
The cut should stop 0.1 – 0.3 mm in front of the conductor so as not to damage it.



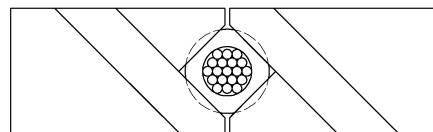
Blades are at sufficient safety spacing from the conductor and remove the insulation with a clean cut.



Blades cut too deep into the conductor.
Blade may be damaged!



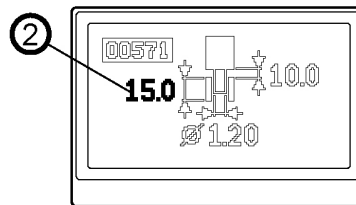
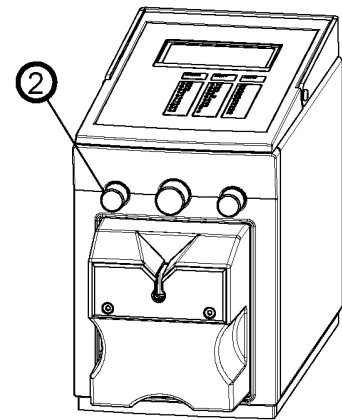
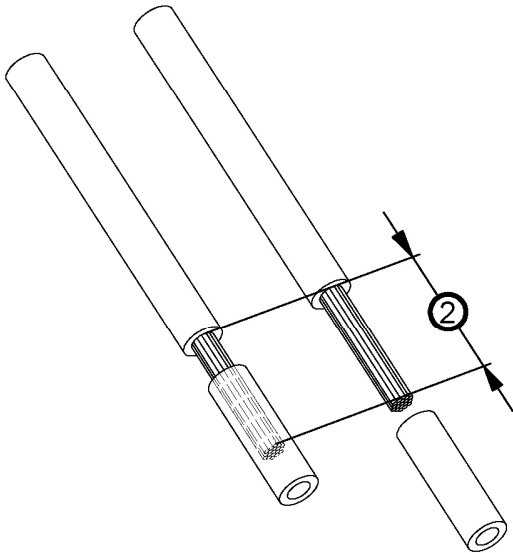
Blades do not penetrate the insulation to sufficient depth.
Blade may be damaged!



OPERATION

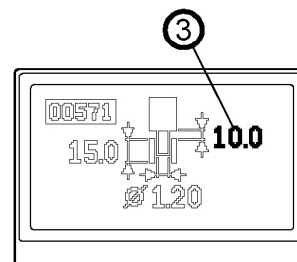
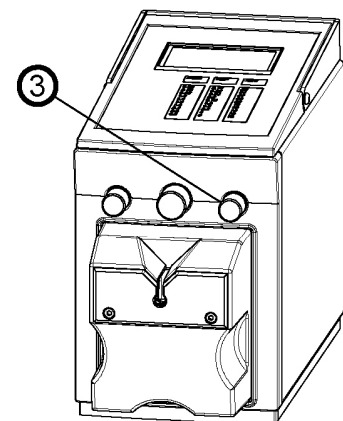
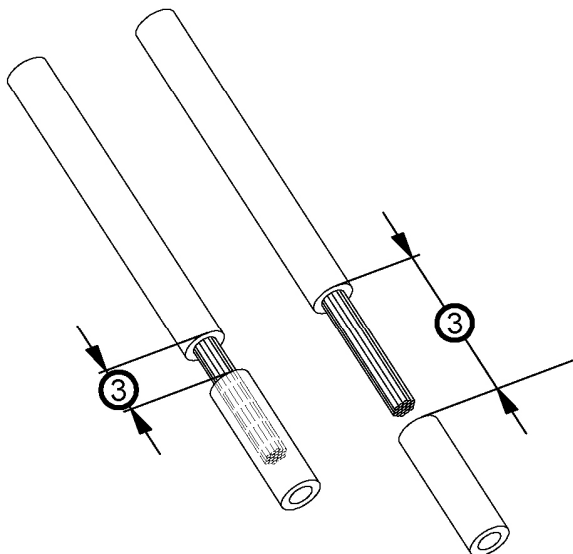
3. Setting the stripping length

Set the stripping length (mm) wanted using the left-hand rotary knob (2).



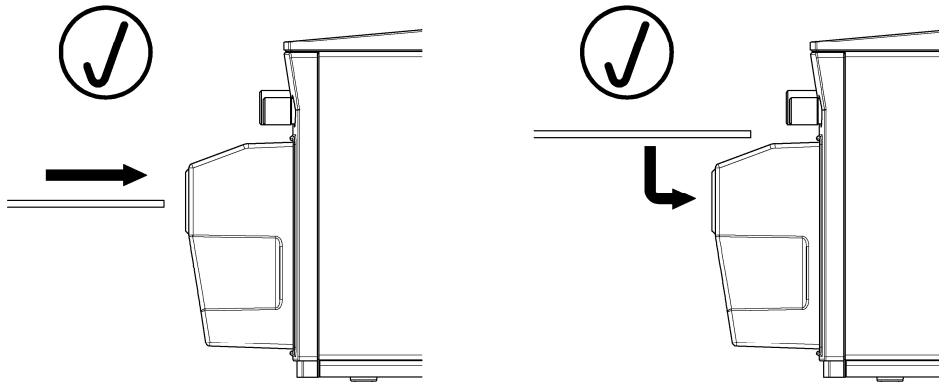
4. Setting the pull-off length

Set the pull-off length (mm) wanted using the right-hand rotary knob (3). The remaining insulation can be pulled off partly or entirely, depending on use.

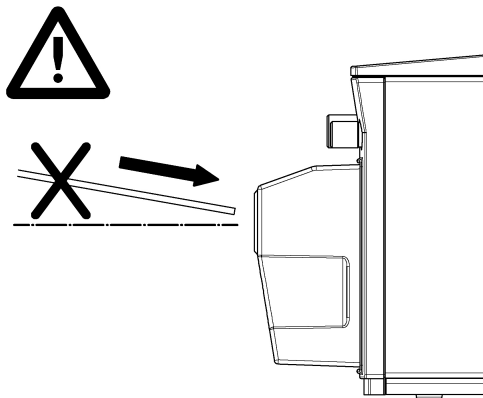


5. Insulation stripping

Insert the conductor into the stripper horizontally.
Actuation of the start button should be as centric as possible.
Conductors with a cross section of up to 2.5 mm² can also be conveniently inserted into the stripper horizontally from the top.

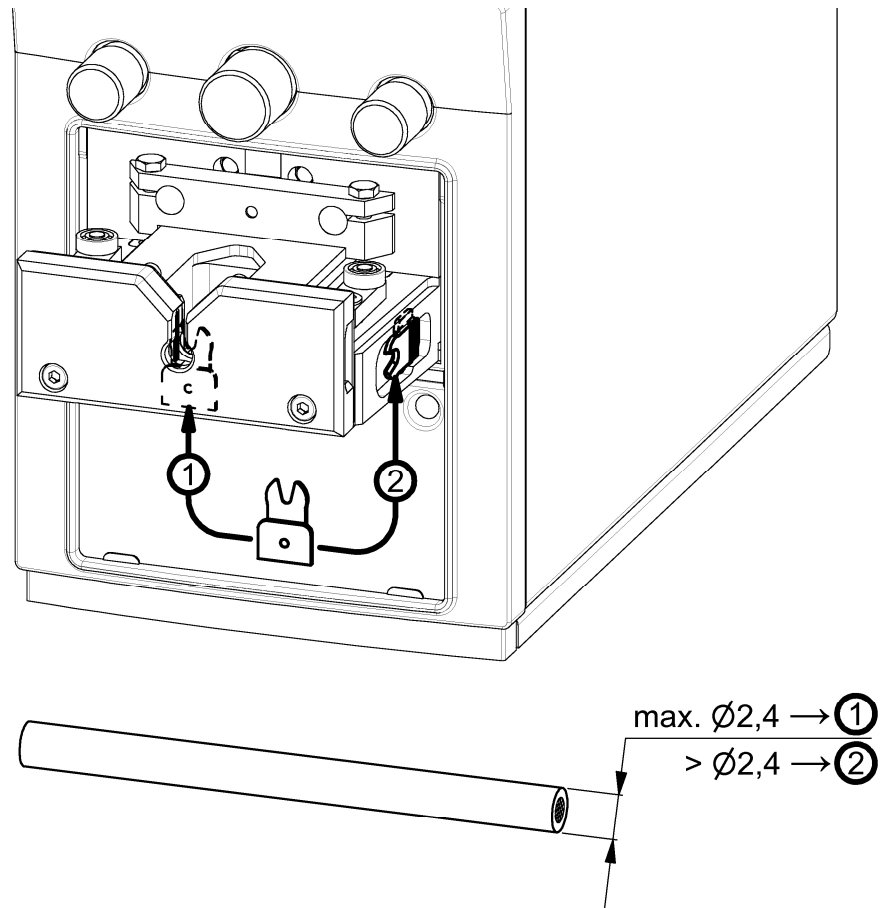


Inserting conductors at an angle may cause malfunction!

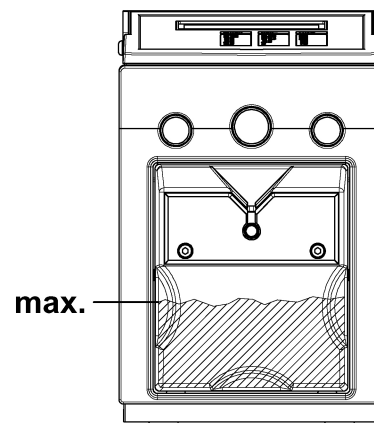


OPERATION**6. Centering aid**

Assists the centering of thin wires.

**7. Emptying the waste tray**

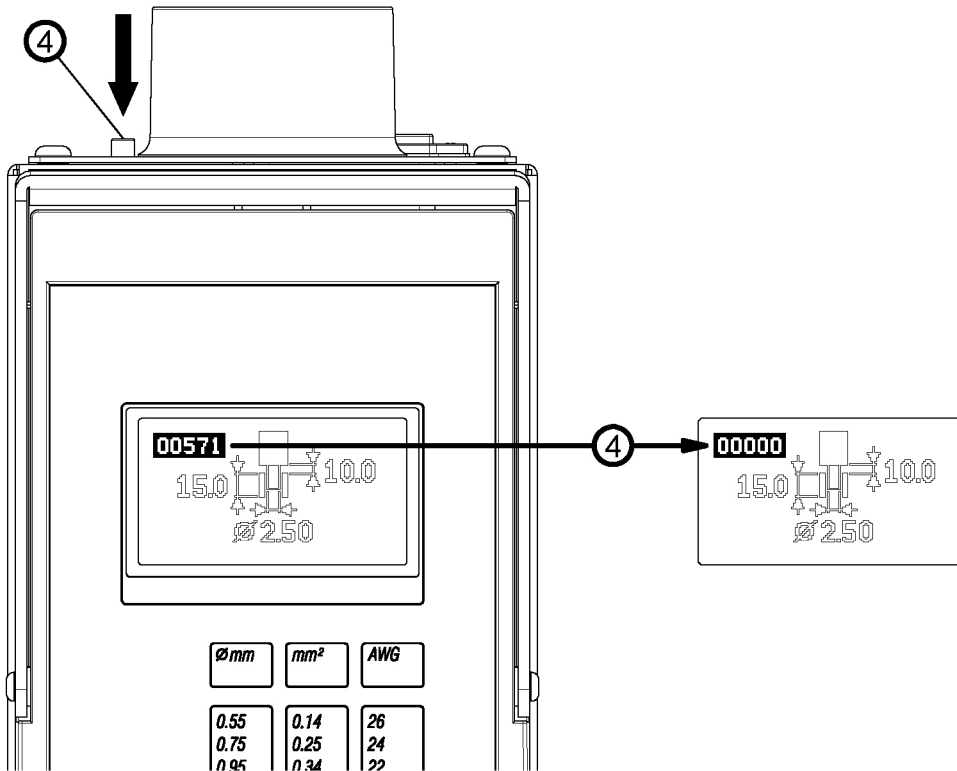
It is advisable to empty the waste tray at regular intervals for trouble-free operation.



OPERATION

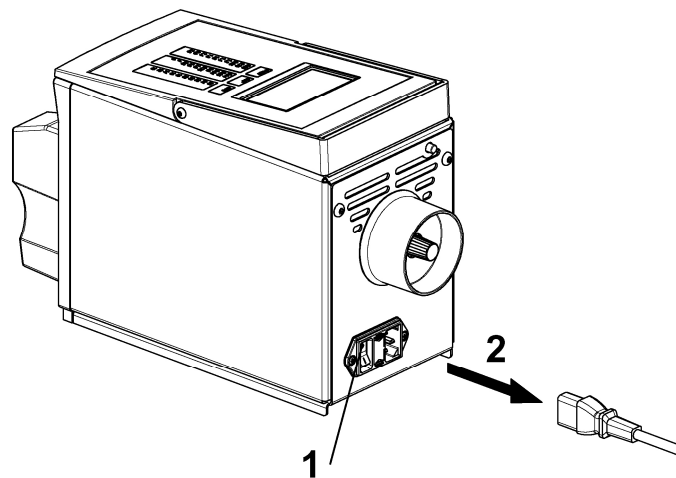
8. Resetting the counter

Press the button (4) on the rear side of the stripper to set the counter to zero.



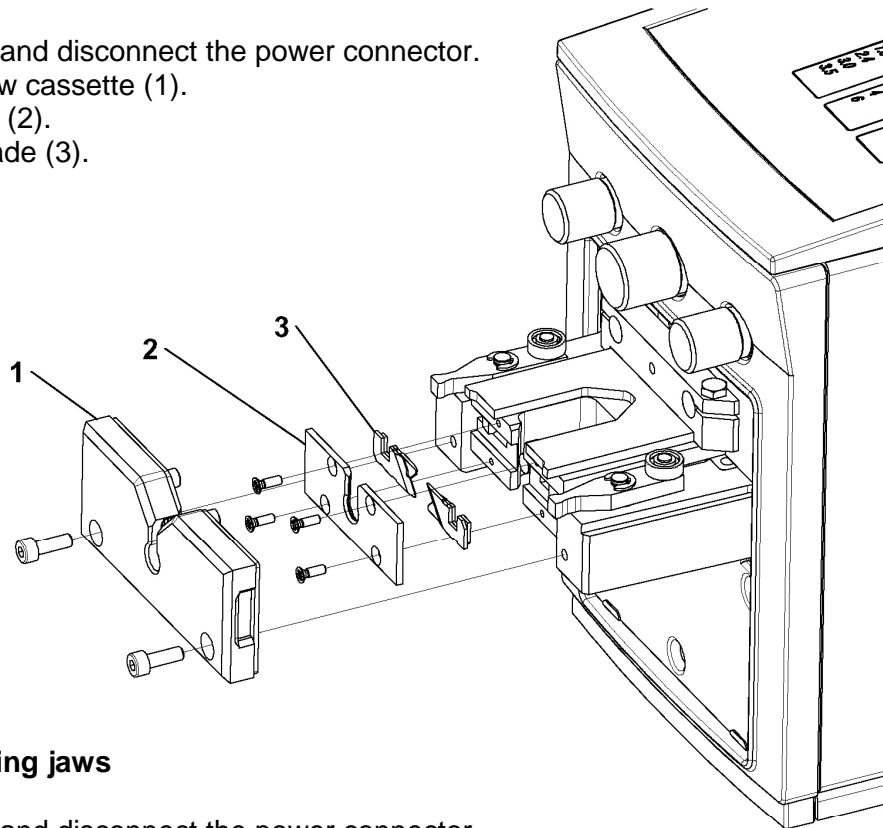
9. Taking out of service

Switch off the on/off switch (1) and disconnect the power connector (2).



1. Changing the blades

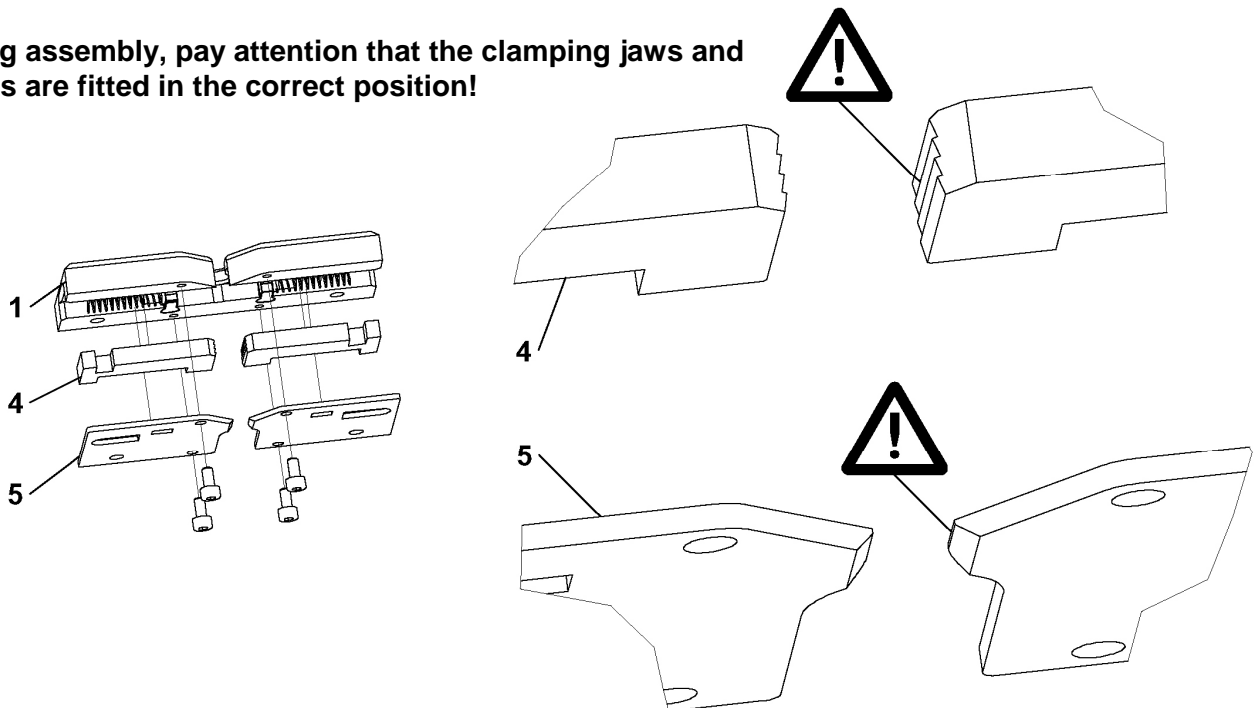
Switch off the appliance and disconnect the power connector.
 Remove the clamping jaw cassette (1).
 Remove the blade cover (2).
 Replace the stripping blade (3).



2. Changing the clamping jaws

Switch off the appliance and disconnect the power connector.
 Remove the covers (5) of the clamping jaw cassette (1)
 and replace the clamping jaws (4).

During assembly, pay attention that the clamping jaws and covers are fitted in the correct position!

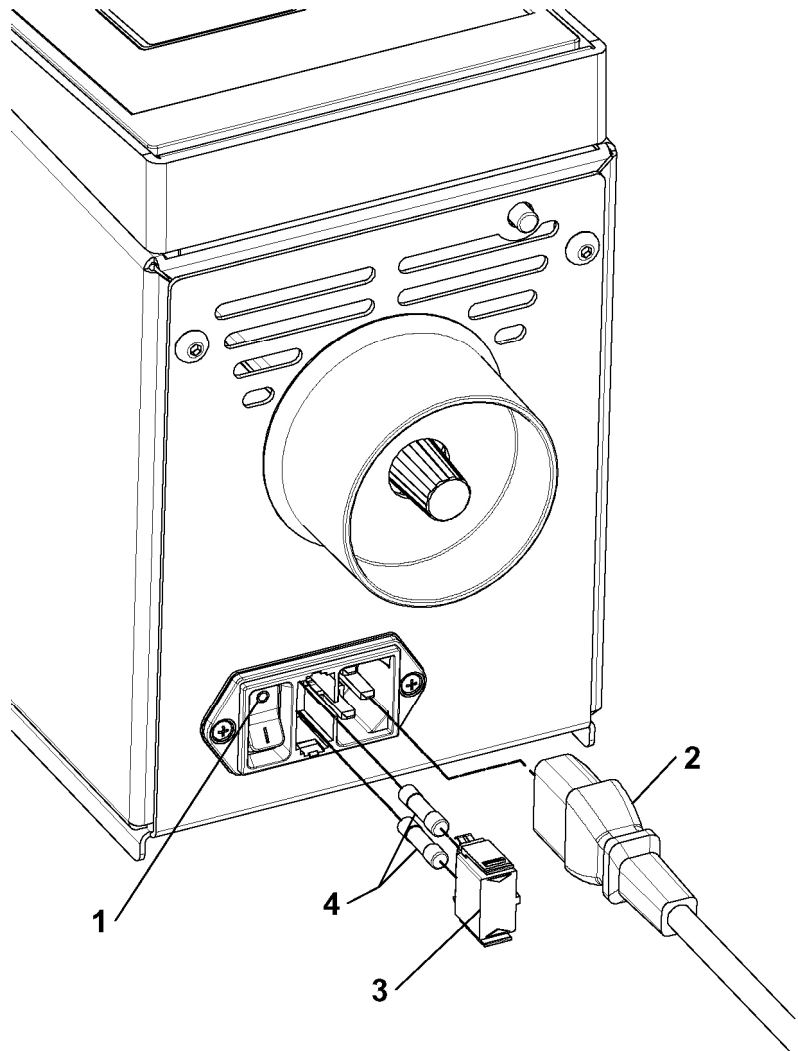



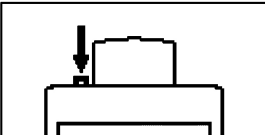
3. Replacing the fuses

- Switch off the on/off switch (1)
- Disconnect the power connector (2).
- Pull out the fuse holder (3).
- Check the mains fuses (4).
- Replace defective mains fuse (Article No. see section on SPARE PARTS).









Disconnect the power connector!

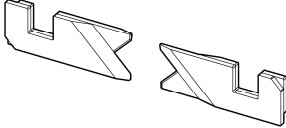
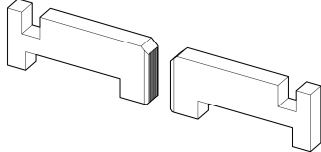

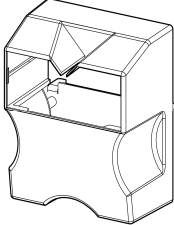


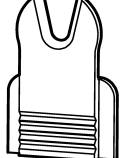


Display	Malfunction/Message	Troubleshooting
	Cable slides through the clamping jaws during stripping.	<ol style="list-style-type: none"> 4. Clamping jaws are dirty and have to be cleaned. 5. Clamping jaws are worn and have to be replaced. 6. The cable is unsuitable.
	Blades do not cut in properly.	<ol style="list-style-type: none"> 4. Check settings on display. 5. Blades are blunt and have to be replaced. 6. The cable is unsuitable.
	Blade no longer opens.	<ol style="list-style-type: none"> 2. Carefully slide back the blades using a flat instrument. The blades have to snap smoothly back into place. Pay attention not to press on the cutting edge. <p>If the blades cannot be slid back easily, the blades have to be detached as when changing the blades.</p> <p>Remove any residual material from the stripping area.</p>
	No display	<ol style="list-style-type: none"> 3. No power supply 4. Check fuse and replace if necessary.
	Waste tray is missing, working area is not protected.	<ol style="list-style-type: none"> 2. Attach waste tray.
	Button has to be pressed. Please note! Stripper starts movement in the initial position.	

MALFUNCTION

Display	Malfunction/Message	Troubleshooting
 10	Sensor for start button responds even as the stripper is switched on.	<ol style="list-style-type: none"> 3. Disconnect the stripper from the power supply and carefully clean the start button with compressed air. 4. Disconnect the stripper from the power supply, disassemble the start button and blow out the metal tube with compressed air.
 15	Sensor for front limit position is not actuated upon start.	<ol style="list-style-type: none"> 2. Switch off the stripper and, once the display has gone blank, switch the stripper on again.
 16	Sensor for rear turning point is not actuated although the stripper should be in start position.	<ol style="list-style-type: none"> 2. Switch off the stripper and, once the display has gone blank, switch the stripper on again.
 20	Max. time for stripping is exceeded.	<ol style="list-style-type: none"> 3. Check the settings on the display. 4. Switch off the stripper and, once the display has gone blank, switch the stripper on again.
 25	Max. motor current is exceeded.	<ol style="list-style-type: none"> 3. Check the settings on the display. 4. Switch off the stripper and, once the display has gone blank, switch the stripper on again.
 30	Waste tray was removed during the operating cycle.	<ol style="list-style-type: none"> 2. Switch off the stripper and, once the display has gone blank, switch the stripper on again.

SPARE PARTS

Part	Article No.	Quantity delivered
<p>Stripping blade</p> 	CS 0001	1 set
<p>Clamping jaws</p> 	CS 0002	1 set
<p>Start button</p> 	CS 0003	1 set
<p>Waste tray</p> 	CS 0005	1 pc.
<p>Mains fuse</p> <p>230 V – 1.25 A T</p> 	CS 0006	2 pcs.
<p>Mains fuse</p> <p>115 V – 2.5 A T</p> 	CS 0007	2 pcs.
<p>Centering aid</p> 	CS 0008	1 pc.

TECHNICAL DATA

Mains connection	230 V / 50 Hz (120 V / 60Hz)
Power input.....	160 VA
Processing cross section	0.08-6mm ²
Max. outside diameter.....	6mm
Stripping length.....	3-20mm
Partial pull-off length	2-20mm
Length of insertion + stripping.....	15mm + x
Stripping blade.....	V-shape
Stripping time/cycle.....	0.2 – 0.3sec.
Piece counter.....	6-digit LCD display, re-settable
Dimensions (w x h x d).....	141 x 221 x 363 mm
Weight of basic stripper	9.5 kg

Manufacturer: GLW GmbH
Address: Steinbeisstraße 2
D-88353 Kisslegg

We hereby declare that the machine identified below, in its basic design and construction and in the version marketed by us, conforms to the relative safety-related and health-related requirements of the EU Machinery Directive. This declaration will cease to be valid if modifications are made to the machine without our approval.

Equipment Designation: Wire stripper

Machine type: CS 60



Applicable
EU Directives: **EG- machine directive 2006/42/EG**
EG- low-voltage directive 2006/95/EG
EG- directive Electromagnetic Compatibility 2004/108/EG

Harmonised
standards
applied **DIN EN ISO 12100-1 und -2:2004**
DIN EN ISO 13857:2008
DIN EN 349:2008
DIN EN 60204-1:2006
DIN EN 55014-1:2007
DIN EN 55016-1:2007

Place, date Kisslegg, Germany, 10. 12. 2009

Legally binding signature:

A handwritten signature in black ink, appearing to read 'B. Weiland', is written over the printed name.

Signatory: Bruno Weiland

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