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# Operating Manual

## Stripping machine

### 5002



Fabrication Number

**Table of contents**

1. General safety notices .....	3
2. Information .....	3
3. Technical specifications .....	3
4. General view of the machine .....	3
5. Operating instruction.....	4
5.1 Putting into operation .....	4
5.2 Starting the machine .....	5
5.3 Adjustment of the cross-section .....	5
5.4 Adjustment of the stripping length.....	5
5.5 Adjustment of the pull-off length.....	5
5.6 Wire feeding .....	5
6. Maintenance .....	5
6.1 Stripping-waste container.....	5
6.2 Interior .....	5
6.3 Stripping blades.....	6
7. Troubleshooting .....	6
7.1 The machine does not start.....	6
7.2 No start after feeding the wire. ....	6
7.3 Increasing refuse.....	7
8. Electric diagram .....	7
9. Spare parts .....	7
10. Declaration of conformity .....	9

When contacting the manufacturer for any information please have the machine type and fabrication number!

(see type plate on the machine)

## 1. General safety notices



### Warning

**Before any work is carried out on the machine, remove the plug!**

**Damaged electrical parts are dangerous. All electrical work has to be performed by qualified persons only!**

To remove the cover of the machine during operation is strictly forbidden.

After removing the cover, take care that the earth wire is connected before re-closing the machine!

The personnel who are responsible for the security of the machine must make sure that:

- only accredited and qualified personnel should handle the machine.
- these personnel always have access to the operating manual and related documents and complies to these regulations.

**Ensure that all safety parts and the covers of the machine are mounted and operate correct while operating. If not, permission to run the machine and the guarantee will become invalid.**

These safety notices does not claim to be complete. In case of questions please contact us or our representative.

The hardware and the software as well as the documentation have been produced and checked with care but they do not assume any guarantee of faultless.

Technical changes are reserved to the manufacturer of the machine.

## 2. Information

The 5002 is a machine for stripping of insulated wires.

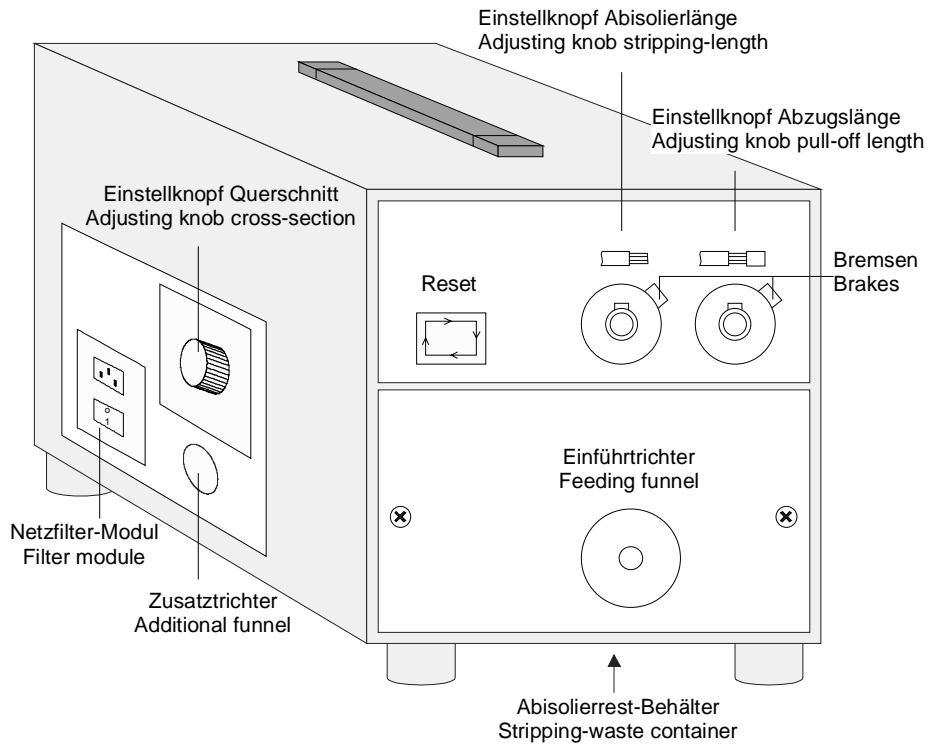
## 3. Technical specifications

Drive.....	Electric motor
Power supply .....	120 V / 60 Hz
Power consumption .....	70 VA
Fuse (filter module).....	2 x 2 AT
Fuse (control board) .....	4 AmT

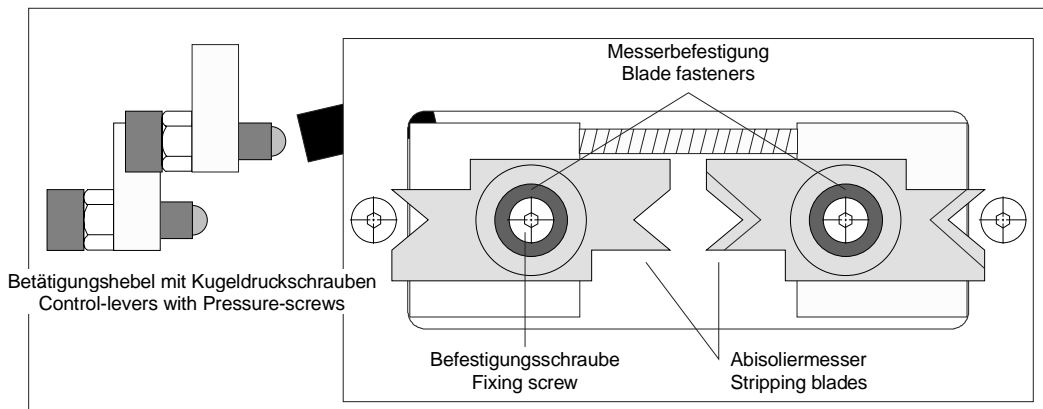
Flexible wires according to .....	DIN VDE 0295/5
Cross-section .....	0,05 - 6,0 mm <sup>2</sup>
Maximal outside diameter.....	5 mm
Stripping length.....	3 - 20 mm
Pull-off length.....	3 - 20 mm
Feeding-length.....	22 mm + stripping length

Cycle time .....	1 s
Continuous sound level .....	< 70 dB(A)
Dimension (wxdxh) .....	190 x 295 x 190 mm <sup>3</sup>
Colour .....	RAL 5012
Weight.....	8,6 kg

## 4. General view of the machine



General view



Interior view

## 5. Operating instruction

### 5.1 Putting into operation

Connect the mains cable to the machine and the electrical supply. (The data on the type plate must agree with the mains supply.)

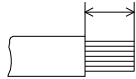
## 5.2 Starting the machine

Actuate the main switch on the filter module. If the reset button lights, the machine runs through a reference cycle.

## 5.3 Adjustment of the cross-section

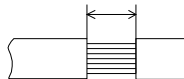
Turn the adjusting knob up to the desired cross-section. A further minor readjustment will depend on the quality of the wire. In case of cross-section about **Error! Reference source not found.** put the additional funnel in the feeding funnel.

## 5.4 Adjustment of the stripping length



- By turning counterclockwise release the brake of the adjusting knob.
- Adjust the stripping length (value in mm, approximate value).
- Lock the brake.

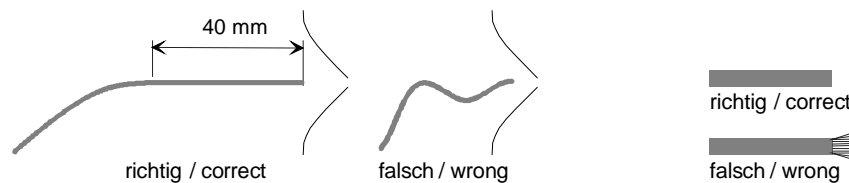
## 5.5 Adjustment of the pull-off length



- By turning counterclockwise release the brake of the adjusting knob.
- Adjust the pull-off length (value in mm, approximate value).
- Lock the brake.

## 5.6 Wire feeding

- The wire triggers the working cycle by inserting into the feeding funnel.
- It has to be cut off straight and may not have any bends or bows.



Wire feeding

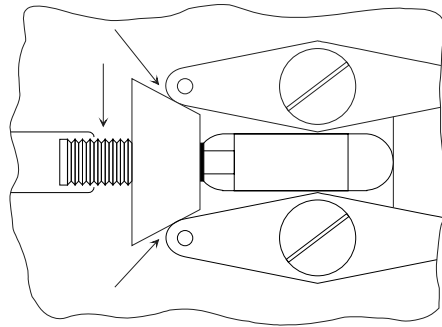
## 6. Maintenance

### 6.1 Stripping-waste container

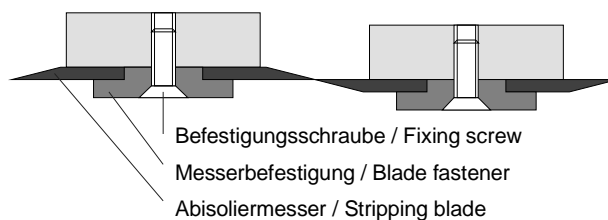
Pull out the stripping-waste container, empty it and put it in again up to the limit stop.

### 6.2 Interior

- The machine has to be cleaned and oiled inside every 6 months or after 50.000 - 100.000 cycles.
- Detach the front-panel by releasing the screws.
- Remove the stripping-waste and other impurities.
- With usual commercial engine oil, oil with care the wire holding tongs (inside of the front panel) and the heads of the pressure screws (Refer to picture: Interior view).
- Close the front-panel: push the control lever to the left, place the front-panel upon the front side of the machine by pushing the front-panel from the right to the left (position it with the pin on the right side). Fasten the front-panel with the screws.



Picture 1: Wire holding tongs



Picture 2: Stripping blades

### 6.3 Stripping blades



#### **Caution! Blades are sharp.**

- Remove the front-panel by releasing the screws.
- Release the fixing screws and remove the blade fasteners.
- Turn the stripping blades or replace them by new ones. Mount the blade fasteners and fasten the fixing screws.
- Close the front-panel: push the control lever to the left, place the front-panel upon the front side of the machine by pushing the front-panel from the right to the left (position it with the pin on the right side). Fasten the front-panel with the screws.

## 7. Troubleshooting

### 7.1 The machine does not start.

The electrical supply is disturbed.

- Check the mains cable and the fuses.

### 7.2 No start after feeding the wire.

The starting sensor (S1) is blocked by stripping waste.

- Push the reset button.

The wire was incorrectly fed.

- Feed the wire as described in chapter "wire feeding".

### 7.3 Increasing refuse

The stripping-blades are damaged or incorrectly mounted.

→ Correct or change the blades.

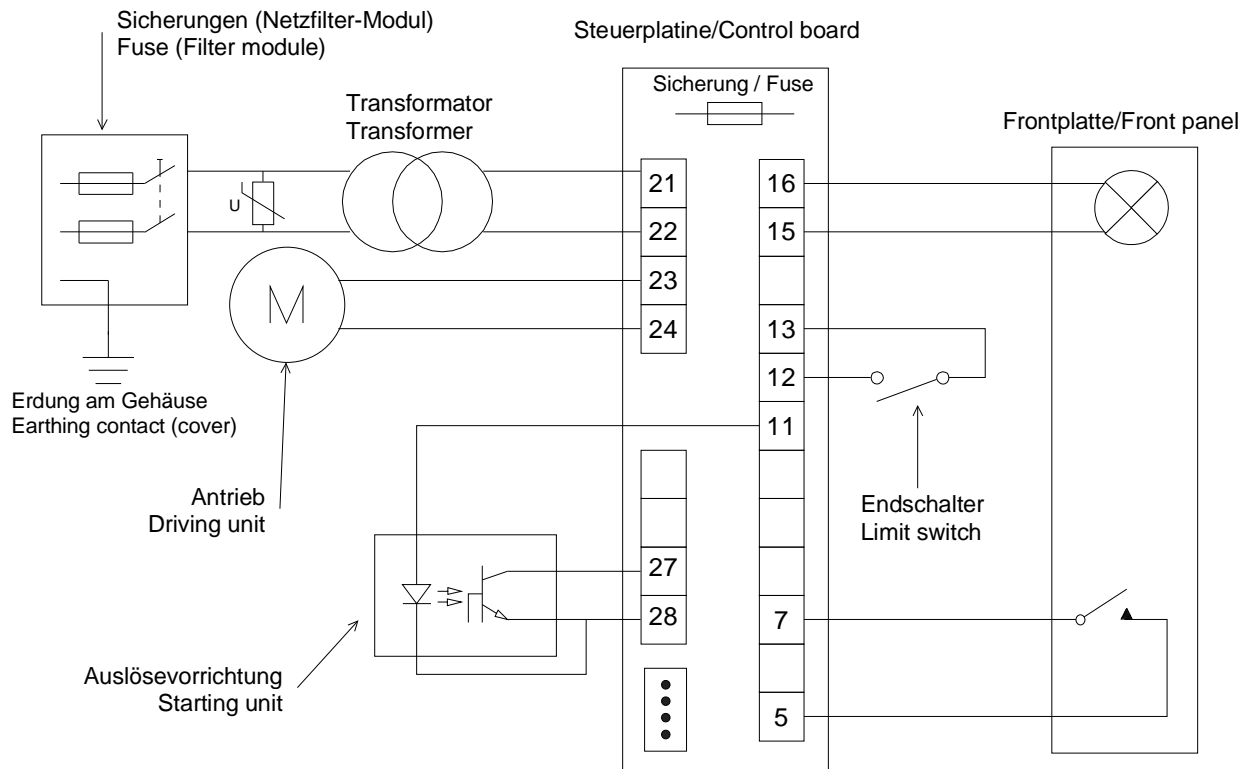
Knob cross section is not in the right position.

→ Check the adjustment.

The stripping-waste container is full.

→ Empty the stripping-waste container.

## 8. Electric diagram



## 9. Spare parts

Designation	Nr. / No.
Driving unit	E1 AI 0193
Starting unit AI01/02	E1 AI 0189
Limit switch	E1 AI 0176
Rubber foot (small)	K1 AI 0004
Pressure screw	K1 CA 0091
Blade fastener	E1 AI 0139
Precision adjustment knob	K9 KN 0015
Transformer	K9 TF 0045
Countersunk screw (blades)	K7 SI 0044

Fuse 2 AT (Filter module)	K9 FS 0017
Fuse 4 AmT (Control board)	K9 FS 0012
Disc spring	K1 FD 0026
V-blades (set)	V1 AI 0003
Toothed belt	K1 AI 0006



**10. Declaration of conformity**

The firm

Zoller+Fröhlich GmbH  
Simoniusstraße 22  
D-88239 Wangen im Allgäu

attests, in sole-responsibility, that the product

**Stripping machine  
5002**

Fabrication number:

fabricated in Wangen/Allgäu to which this declaration refers, agrees to the following standards and guidelines:

Machinery Directive	98/37/EC
EMC Directive	89/336/EEC
Low Voltage Directive	73/23/EEC
Safety of the machine	DIN EN 292
Electrical equipment of machines	DIN EN 60 204-1
Emission	DIN EN 55 014
Immunity	DIN EN 55 014-2