Cutter

The cutter was developed to cut WAGO print material.
The cutter is a Smart Printer accessory and is for use with this material only. The following information will support you in operating the cutter. Only use print material approved to cut by WAGO. The cutter does not contain any parts that need to be serviced by the user. Do not open the enclosure. Do not insert objects through the labels bay in the cutter unit.

Danger

Warning against high voltage
There is a risk of electric shock.
Disconnect the printer from the power supply before starting any installation work.

Warning against hand injuries
The fingers can be crushed or otherwise injured.
Do not put your fingers in the cutter.

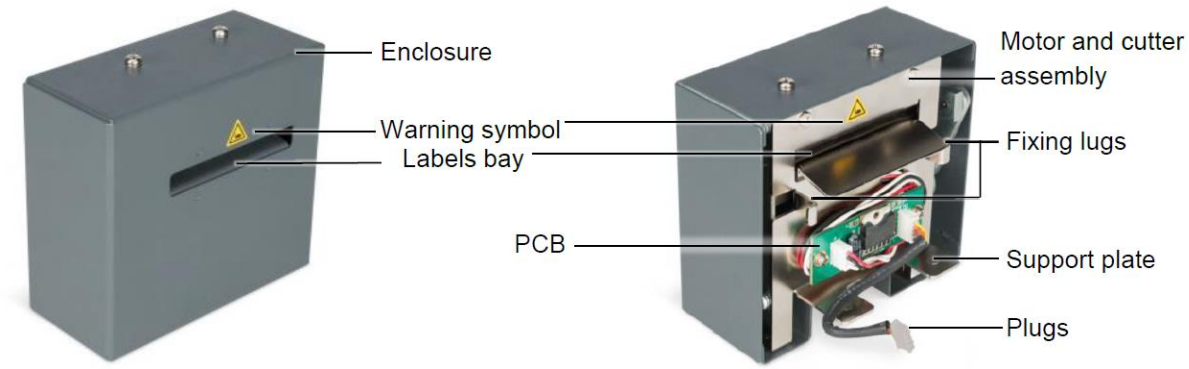
Notice

The increasing number of built-in products on a DIN rail leads to tolerance-related deviations in the overall length.
Cuttings should not exceed a length of 39,37” (1000 mm).

Cuttings should not below a length of 1,18” (30 mm).

If printer/accessories and operating software are operated in separate rooms, check the printer for errors after each print job.

Description



Type plate information

Item No. : 258-5030
Serial number: GWA0010716

- Year of manufacture
- Month of manufacture
- Serial production number
- Manufacturer's label

Manufacturer and support address

Technical data

Dimensions	Altitude	4,20“
	Length	5,15“
	Width	2,40“
Weight		1,060 kg
Nominal Voltage		24 DCV
Ambient operating temperature	During operation	+32°F … +104°F
	During transport/storage	+14°F … +140°F
Ambient humidity	During operation	20 to 85 %, relative humidity, non-condensing
	During transport/storage	10 to 90 %, relative humidity, non-condensing
Print material	Max. width	1,81“
	Max. thickness	250 µm

Hard- und Software requirements

Smart Printer requirements		
	Printer type	Smart Printer
	From month/year of manufacture	0814 – August 2014
	Firmware version	1.UW7u

Software requirements		
	smartSCRIPT	Version 3.88.9.0 or higher
	WAGO Printer-Settings	Version 2.4.0.0 or higher

Always use the most up-to-date version of the software. Check your existing installation to make sure that it is up to date, or download the newest version:
Link: www.wago.com/Smart Printer

Connection to the printer

Open the Smart Printer. Fold out of the printer (print mechanism and enclosure cover) until it locks firmly in place.

Remove the front panel of the printer.

1. Insert a small screwdriver into the gap between the blue enclosure and the spindle surface of the front panel.
2. Press the screwdriver downwards and using a light lever movement, loosen and remove the front panel.

Fig. C1

3. Pay attention to the correct orientation of the connector.
4. Plug the cutter connector into the board connector on the printer.

Fig. C2

5. Lift the cutter unit and insert the fixing lungs into the guiding grooves on the printer.
6. Lower the cutter until it rests on the support plate.

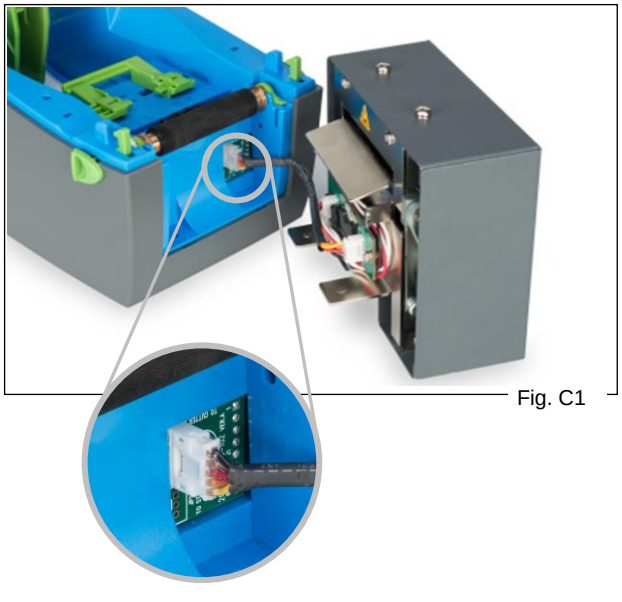


Fig. C1

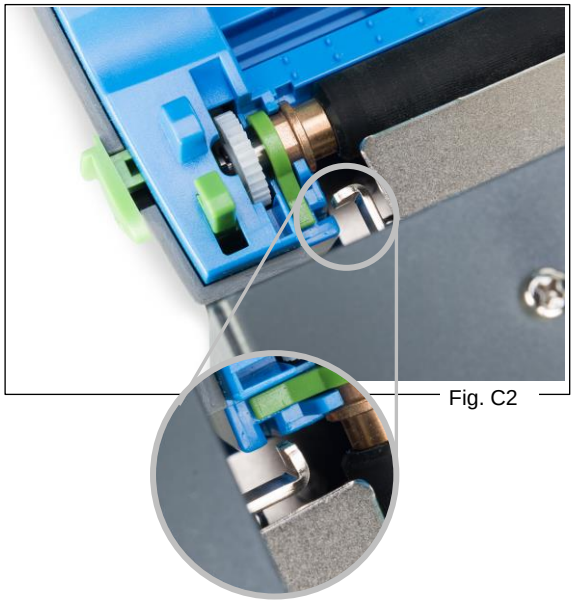


Fig. C2

Fig. C3

Printer and installed cutter. Guide the print material through the cutter.

Close the printer.

Fig. C3

WAGO Printer Settings - Activate the cutter

The use of the cutter is transferred to the ***smart***PRINTER via the Software WAGO Printer-Settings.

Start the WAGO Printer Settings:

Select directory ❶.
Select print material ❷.
Select gear icon ❸ for print material.
Activate [Cutter active] in the selection window.

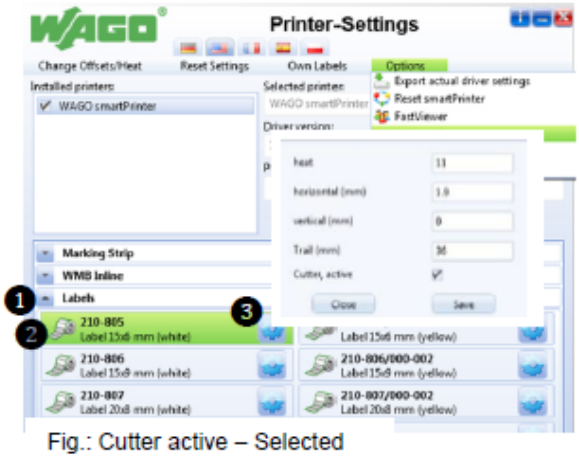


Fig.: Cutter active – Selected

Note:
The **[Cutter active]** and **[Overrun (mm)]** options are only available to you for print materials that are approved for cutting with the cutter.

[Cutter active] = Selected
The value entered in **[Overrun (mm)]** defines the feed path of the print material to the knife position of the cutter.
Notice: Increase or decrease the overrun value stepwise in one tenth (1/10) increments. The overrun value may not exceed 38 mm!

Changing the values **[Save]** then **[Close].**
Now perform several test printouts.
The printer needs the test printouts to adjust and implement the correction values.

Approved print material to be cut

Seriess	Item Number
210	210-702
	210-801 … -804
	210-812 …-813
	210-831 … -834
	210-870 … -877
	210-876/000-002
211	211-835 …-836
	211-836/000-002
	211-855 …-857
	211-861 …-863

Seriess	Item Number
709	709-178
757	757-901/000-050
2009	2009-110

Commissioning and Use

Check the label bay before every printing task.
If there are any labels in the bay, remove them with a bristle brush, wooden spatula or other similar instrument.

- Avoid any damage to the coating film.

Short cut-off sections may cling to the label bay due to static discharge.
Check the label bay after each print task.
If there are any labels in the bay, remove them with a bristle brush, wooden spatula or other similar instrument.

Cleaning and Maintenance by the User

Contamination in the label bay or static discharge may impair discharge of the cut print material. Contamination in the cutting unit impair discharge of the cut print material or reduce the quality of the cut-off labels.

Before using the cutting unit, check the label bay and the cutter for contamination.

Recommended Cleaning:

- For visible contamination in the label bay
- When short cut-off material accumulates in the label bay
- When the cut-off material impairs the cutting operation
- Minimum: Every six months

Cleaning Steps:

1. Switch the printer off.
2. Open the housing cover.
3. Lift the cutting unit until the fixing lugs are released from the guiding grooves on the printer.
4. Disconnect the cutting unit connector from the PCB connector on the printer.
5. Unscrew and remove the screws from the top and bottom of the housing (Fig.1).
6. Remove the motor and cutting unit assemblies from the housing (Fig. 2).
7. Unscrew and remove the screws from the motor and cutter assembly (Fig.3).
8. Clean the cutting knife (Fig.4 and Fig.5).

   Use 99% isopropyl alcohol (IPA) and a clean, soft, lint-free cloth without any hard particles to clean the cutting knife.
9. Clean the labels bay (Fig.6).

   Use a clean, soft, lint-free cloth without any hard particles to clean the label bay.
   Moisten the cloth with an oil sprayer to dampen it.

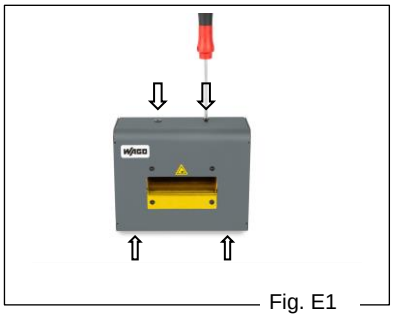


Fig. E1

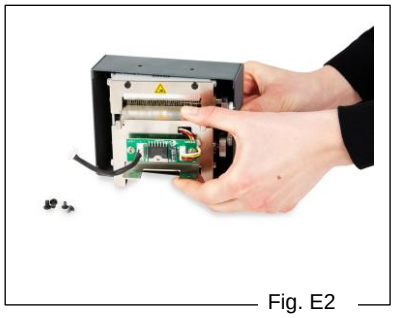


Fig. E2

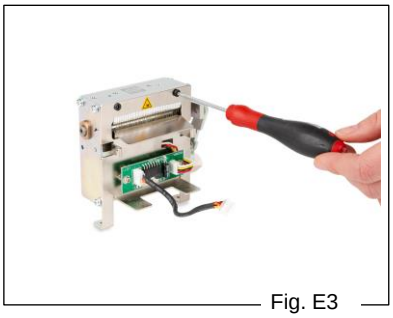


Fig. E3

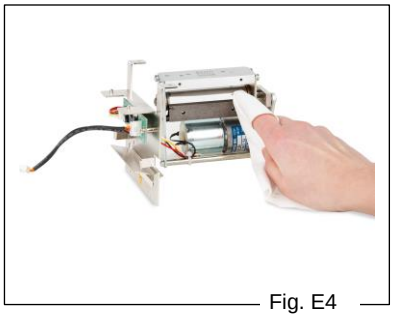


Fig. E4

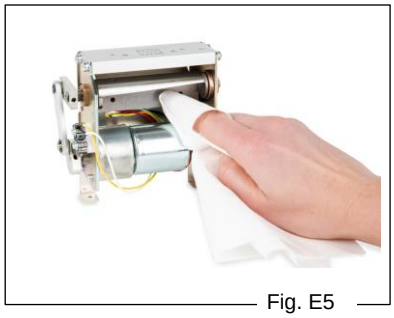


Fig. E5


Fig. E6

Figures E1 to E6 show a newer cutter type.