

Information on Print Material

Note: Individual handling instructions are representative for other print materials with identical handling. The graphics in these instructions only show the print material associated with this information.

These handling instructions are also valid for print materials with the following item numbers:

210-702	210-873		210-880
210-870	210-874	210-876	210-880/000-002
210-871	210-874/000-002	210-876/000-002	210-882
210-872	210-875	210-877	210-882/000-002

Item No.	2009-110
Print material	Marking Strips
Print Material Intake	External unwinder
Material	
Color	white



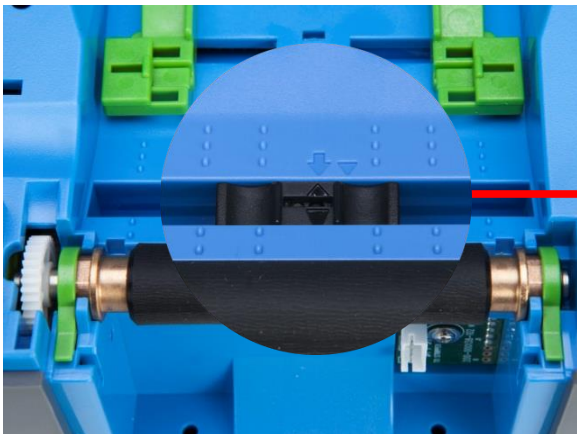
1. Hardware Preparation

1.1 Roller



Use roller **258-5006**.

1.2 Sensor Settings



The point of the arrow in the housing in the point of the triangle on the sensor must point directly at one another.

1.3 Load the Print Material and Align It

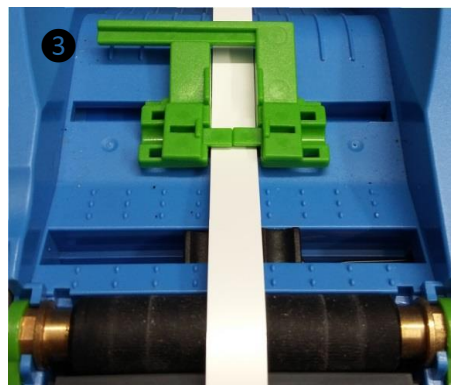
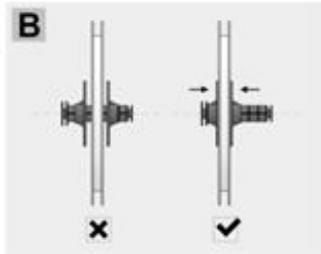
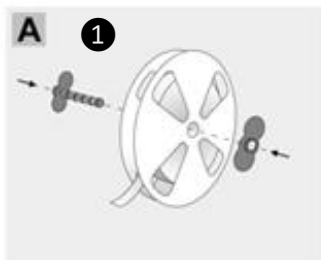
1 Insert the print media roll into the external unroller. Follow steps A, B und C of the application instructions. Important! Unrolling direction to the left!

The print material is fed into the printer in a counter-clockwise direction.

2 Feed the print material through the feed hole on the back of the printer.

3 Adjust the guide to the width of the print material.

Optimum setting: 1 mm + print material width + 1 mm



2. Smart Script – Creating Project Files

Smart Script

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/smartprinter

Start Smart Script and select the following at the **[Projects]** level.

- 1 Specify a storage location for the project file.
- 2 Press the **[+ New project]** button.

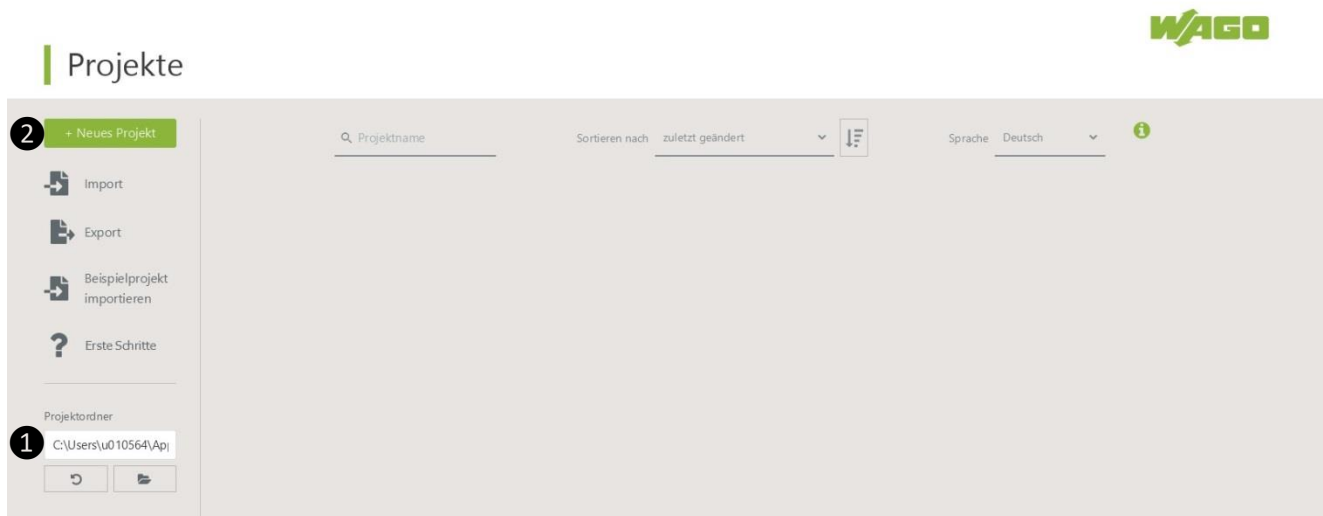


Figure 2.1

Enter a project name in the **[Project name]** box at the **[New project]** level.

The project name is assigned by Smart Script and consists of the word “Unnamed”, the creation date and the time when the project is created.

You can either accept the Smart Script project name, or enter your own project name here.

Position the mouse cursor in the input box **[Project name]** and click to enter your own project name.

- 1 Press the **[Select template]** button.

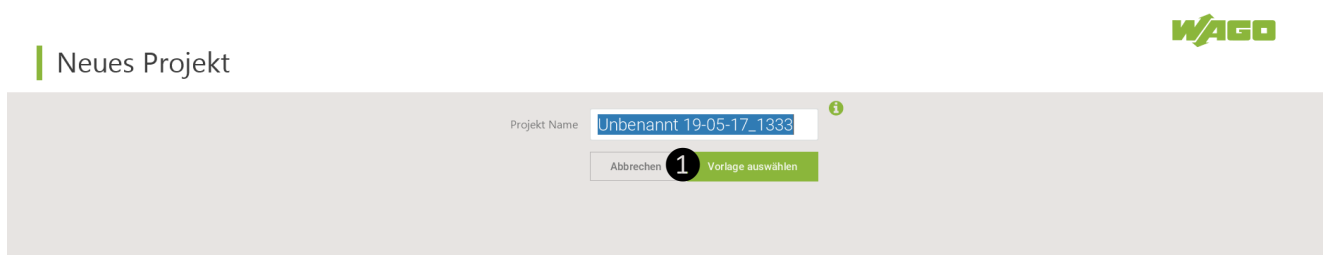


Figure 2.2



Figure 2.3

Select the Smart-Script template for your print material on the **[Templates]** level.

- 1 Enter the item number for the print material in the input box **[Template item number]**.
- 2 Select the template for the print material.

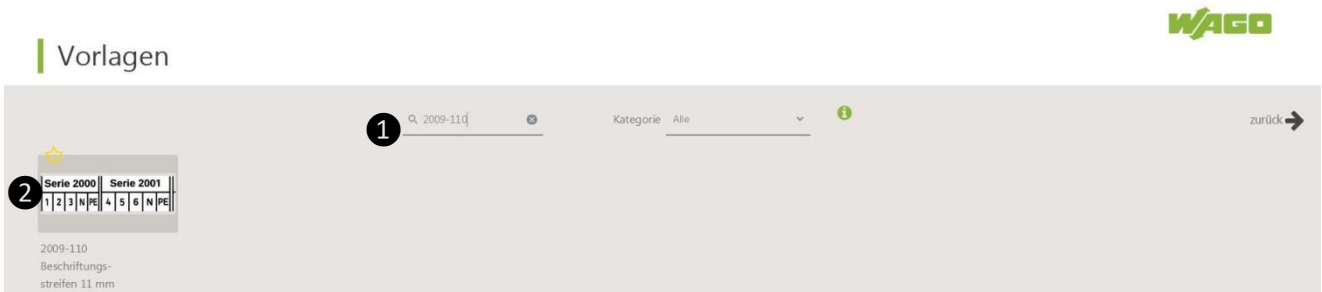


Figure 2.4

At the **[New project]** level

- 1 Press the **[Continue creating project]** button.



Figure 2.5

You are in the Smart Script work space. Your project is displayed.

The wand tool [] is active in the sidebar. It provides automatic length adjustment for the project.

- 1 In the menu bar select **[Format block]**.

You can now begin with the layout and labeling.

- 2 Click on **[Select series]** and choose a series. The series that is selected determines the **[Cell width(mm)]**.

You can also enter a value directly, without choosing a series.



Figure 2.6

- 3 Add lines. Divide the lines into cells.
- 4 Add cells to take into account spacing that is required when you use end plates, partitions or other areas.

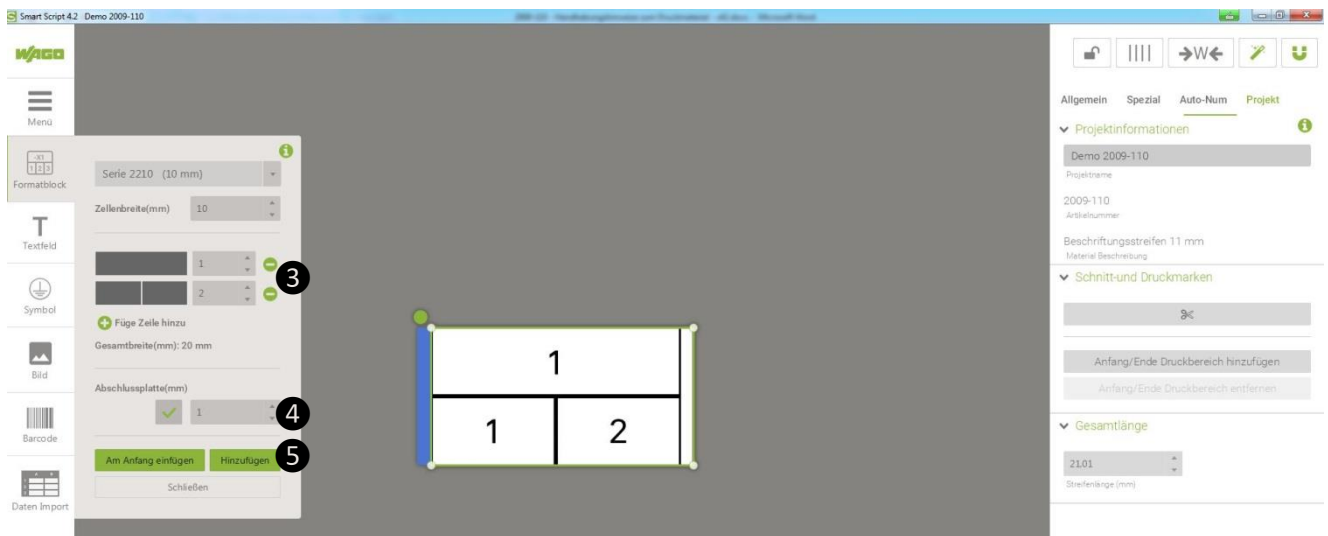


Figure 2.7

Custom Marking

1 Double-click in a marking box. In the active marking box the text is highlighted with a green background. Enter the label/caption text.

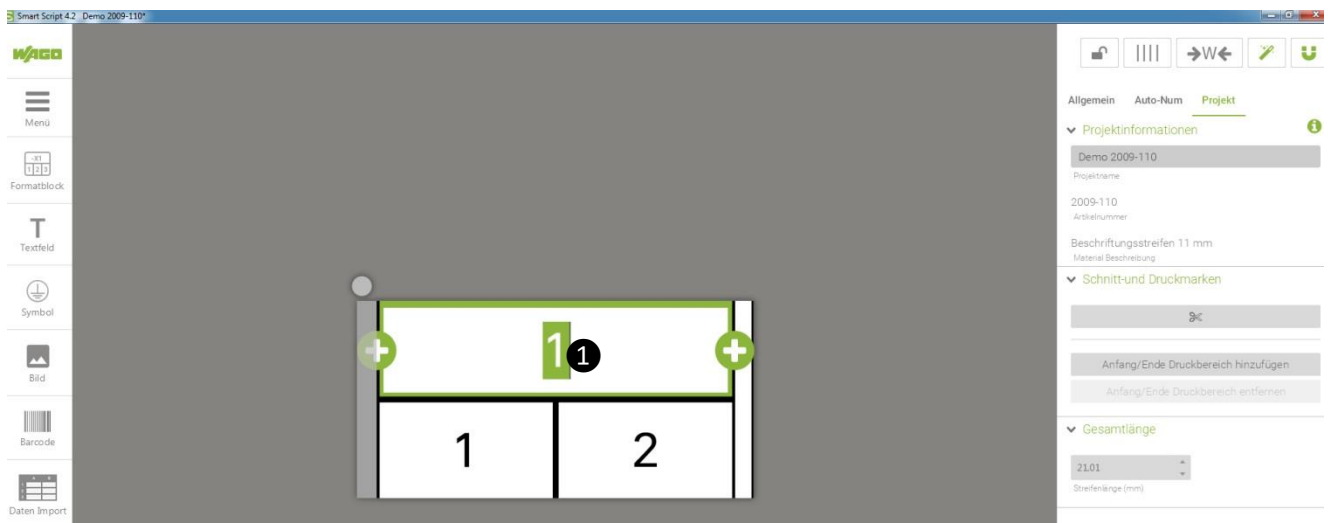


Figure 2.8

2 Click outside the marking box to accept the newly added text.

or


3 Double-click in a different cell to mark it.



Press the ? button to call up the Smart Script online Help function.

You can get more information about Smart Script functions in detailed tutorials.

Copying Marking Elements

The wand tool [] is active in the sidebar. It provides automatic length adjustment for the project.

- 1 Press **[Ctrl + A]** on your keyboard. This marks all the marking boxes.

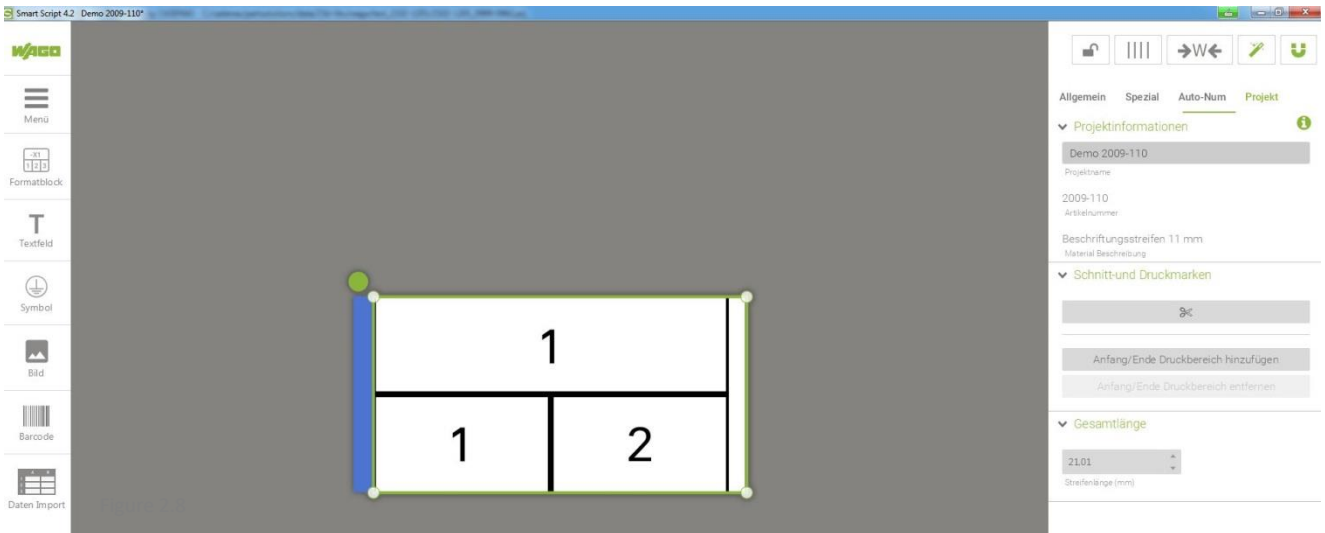


Figure 2.9

- 2 Press **[Ctrl + C]** on your keyboard.
- 3 Press **[Ctrl + V]** on your keyboard. A further, identical format block is attached.

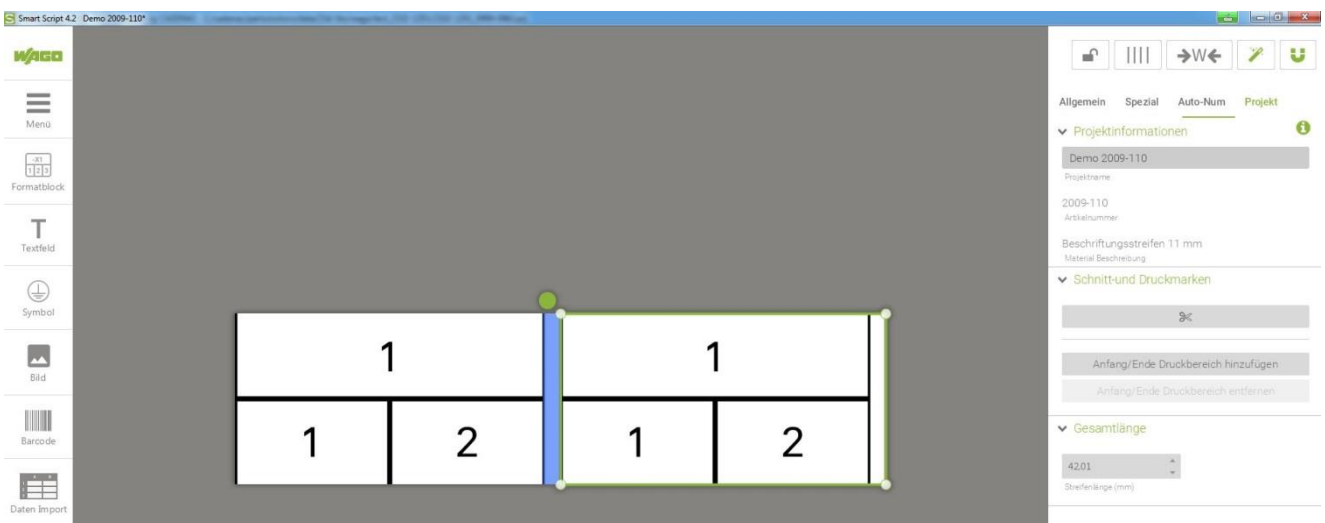



Figure 2.10

Importing Markings

Smart Script supports importing of *.xls, *.xlsx, *.txt, *.csv and *.dat files.

-  Press the ? button to call up the Smart Script online Help function.
You can get more information about Smart Script functions in detailed tutorials.

Setting crop and print marks

If you use the printer with the cutting unit you must set crop marks.

Crop marks are the positions in the project at which Smart Script evaluates a cut as logical.

When you select the template material at the beginning of your project, **[Crop and print marks]** will be available for use in the sidebar.

- 1 Click the button with the scissors icon to activate the application.

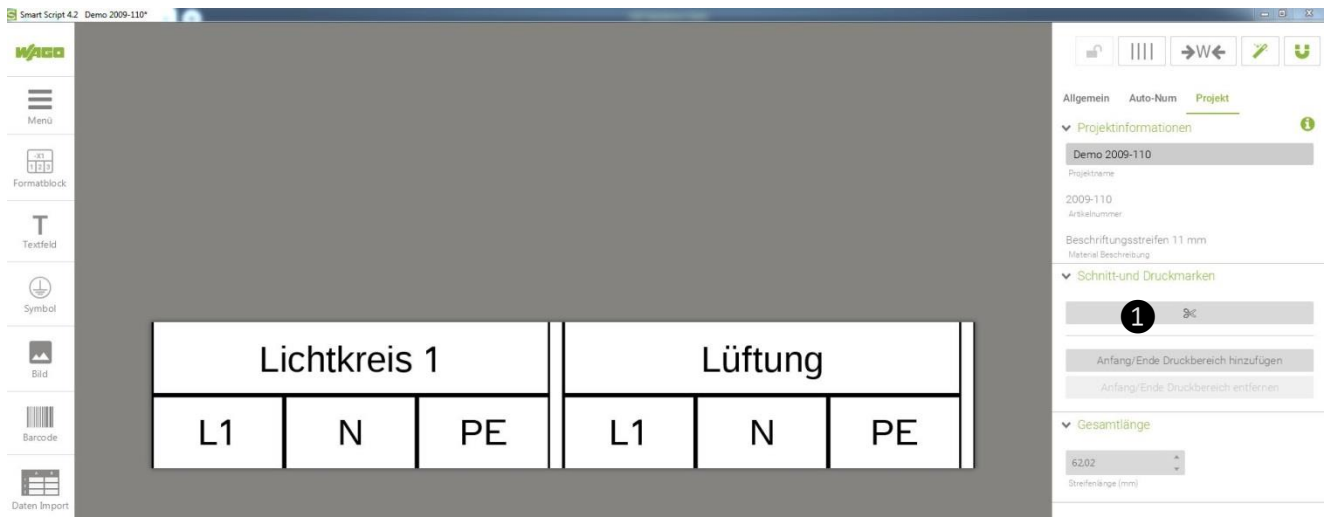


Figure 2.19

The button with the scissors symbol is green. These features can be used.

- 2 Click **[Add crop mark]**.

In figure xy this button was clicked two times.

Smart Script places the first crop mark at the end of the project.

Crop mark position is correct = Crop mark is green.

- 3 Click on the red crop mark and keep the mouse button pressed.

Drag the crop mark to the beginning/end position of a format block.

The color of the crop mark turns green. You reached the correct/valid crop mark position.

- 4 Release the mouse button.

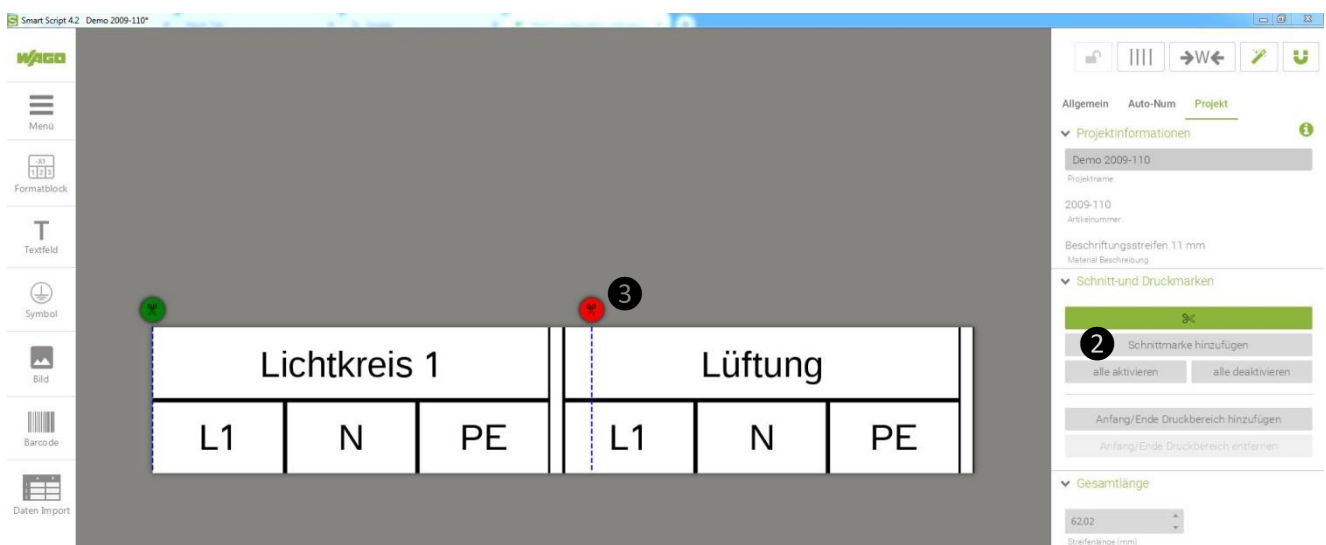


Figure 2.20

The second crop mark has been placed correctly.

The cut area (light circuit 1) and the other cut area (ventilation) is what you obtain as the result.

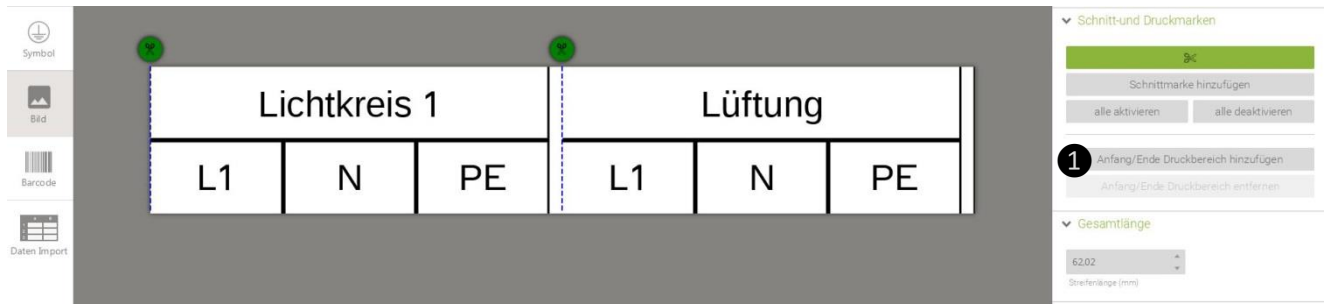


Figure 2.21

Use print marks to print areas of a project.

- 1 Click **[Add beginning/end of print area]**.

Smart Script places the print marks at the beginning and the end of the project.

- 2 Click on a print mark and hold down the left mouse button.

Drag the crop mark to the beginning/end position of a format block that you wish to print.

The color of the crop mark turns green. You reached the correct/valid print mark position.

- 3 Release the mouse button.

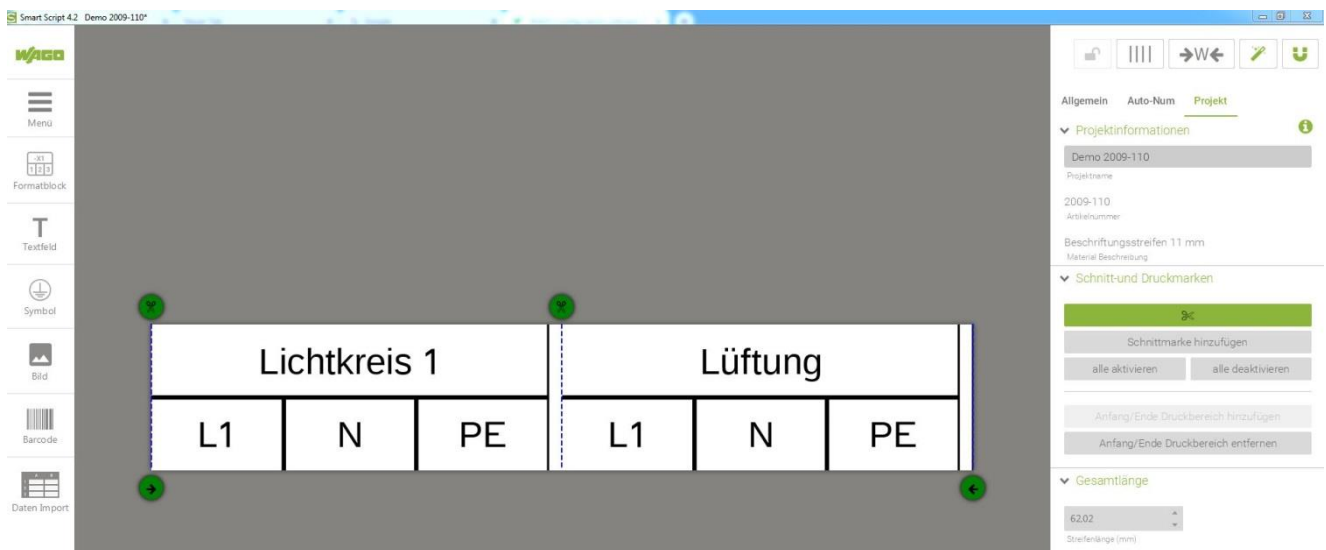


Figure 2.22

The print mark has been placed correctly.

The cut area (light circuit 1) is what you obtain as the result.

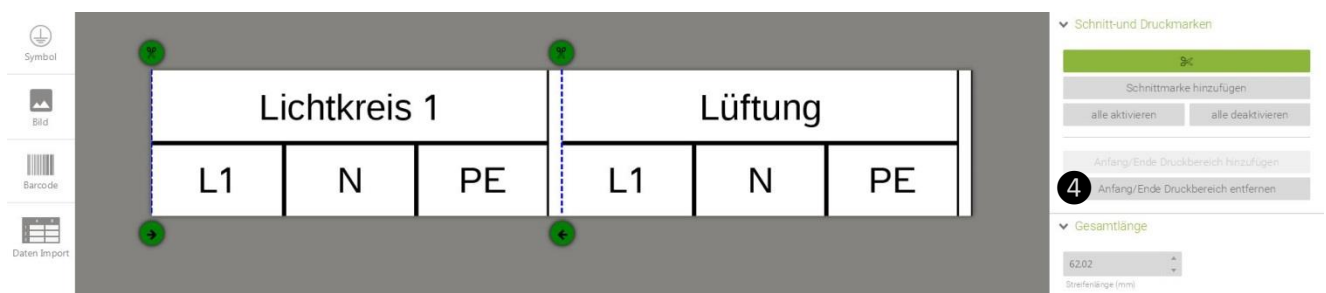


Figure 2.23

- 4 Click **[Remove beginning/end of print area]** to cancel your selection.

3. Print

Start the print job from Smart Script.

- In the menu bar select **[Menu]**.

Then select menu item **[Print]**. The Print window opens.

Tip: Press **[Ctrl + P]** on your keyboard to open the Print window directly.

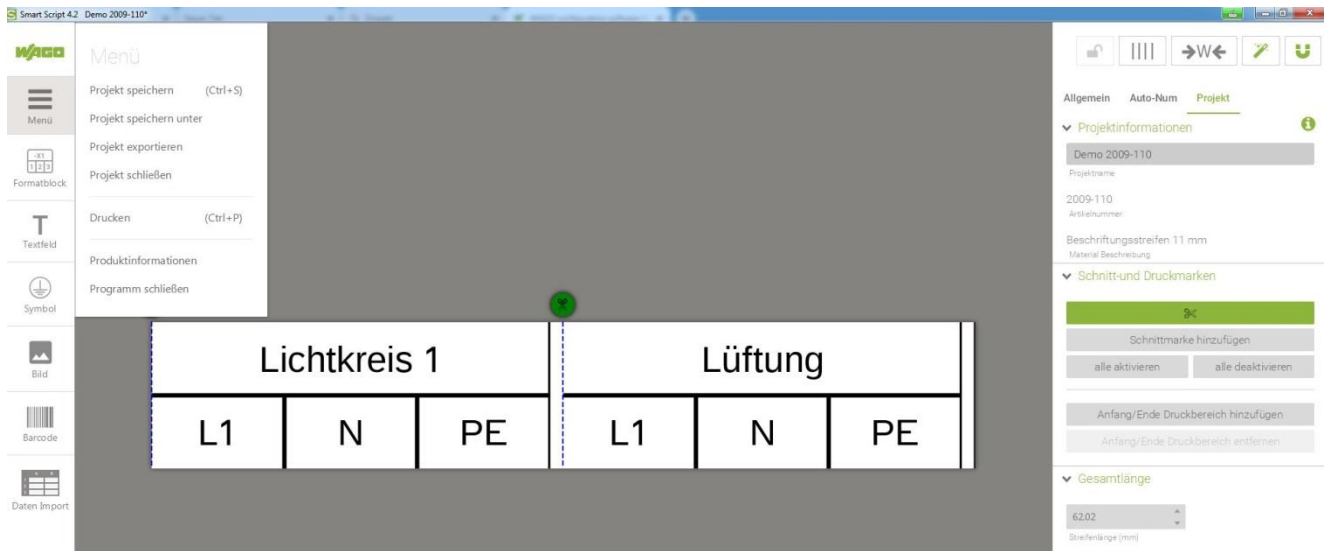


Figure 3.1

In the Smart Script Print window select the printer in the **[Settings]** sidebar and specify the number of print copies.

- Press **[Print]**. Printing of the project then starts.

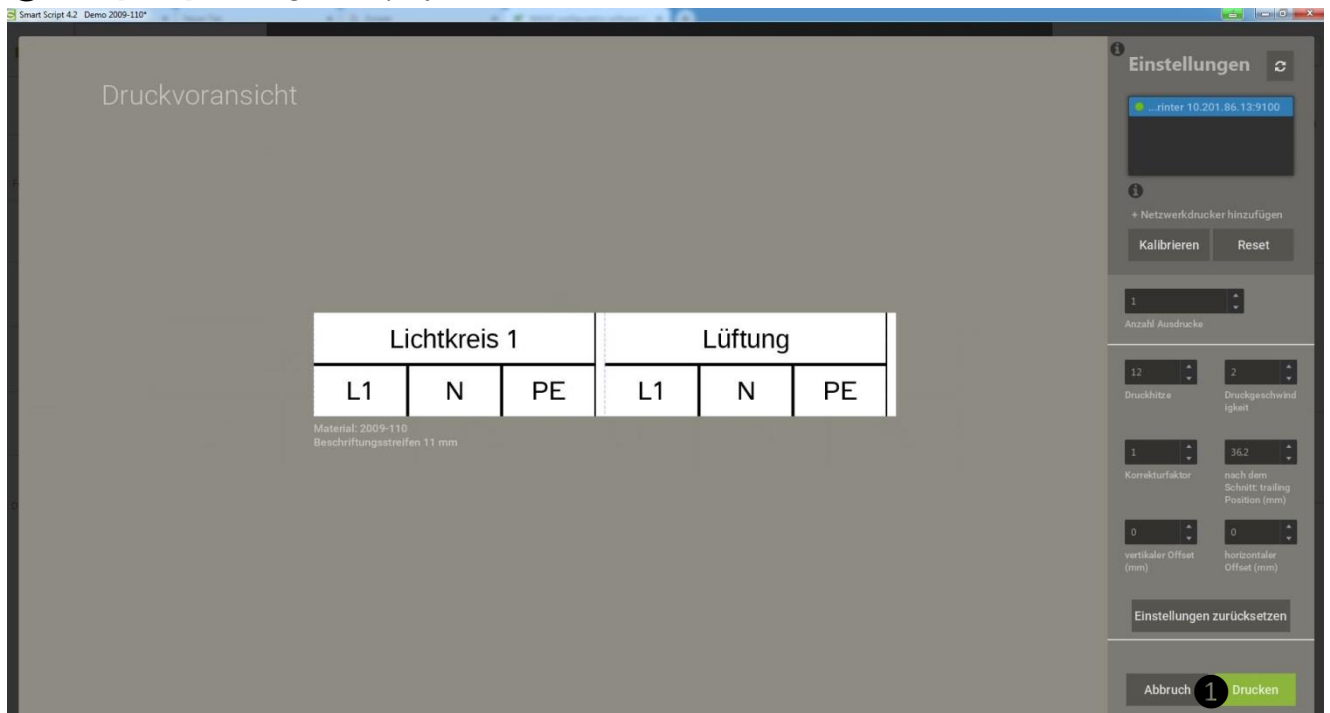
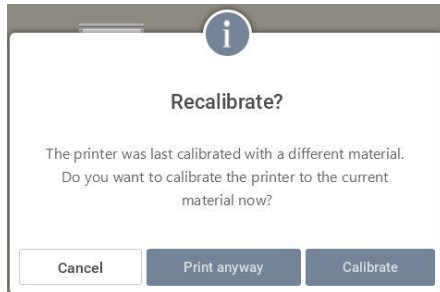


Figure 3.2

Calibrate the Printer

The WAGO Marking Software Smart Script detects if the calibration of the printer matches the marking accessory to be printed. If this is not the case, the print job is stopped.

The **[Recalibrate?]** dialog opens.



Press the **[Cancel]** button to cancel the print job.

Press the **[Print anyway]** if you want to override the dialog information. The print job is started.

Press the **[Calibrate]**, if you want to optimize the printer, the inserted marking accessory and your Smart Script project. The print job is canceled and the printer is calibrated.



Press the ? button to call up the Smart Script online Help function.

You can get more information about Smart Script function **[Calibrate]** in detailed tutorials.

4. Correcting Print Quality

WAGO Smart Script marking software allows you to correct the printing quality of the labeling text afterwards. The procedure described in this chapter is representative of all print materials.

Description of defects:

- The labeling text is not printed vertically centered.
The labeling text is moved up or down (Figure 1).
- The labeling text is not printed centered horizontally.
The labeling text is moved to the right (Fig 2).
- The labeling text is faint or has not been completely printed (Fig 3).

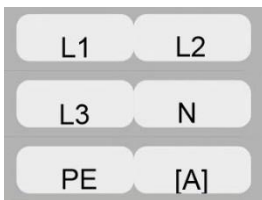


Fig. 1: Moved vertically



Fig. 2: Moved horizontally



Fig. 3: Print-out faint and incomplete

Change the values in the input boxes in the **[Settings]** sidebar of the Smart Script Print window.

Correction option by changing values:

- Increase the **[Vertical Offset(mm)]** value. = The labeling text is moved up.
Decrease the **[Verticaler Offset(mm)]** value. = The labeling text is moved down.
 - Increase the **[Horizontal Offset(mm)]** value. = The labeling text is moved to the right.
Decrease the **[Horizontal Offset(mm)]** value. = The labeling text is moved to the left (Firmware 1.UW7U).
 - Decrease the **[Printing darkness]** value. = Labeling text gets lighter.
- Attention!** A value >12 might damage the color ribbon.

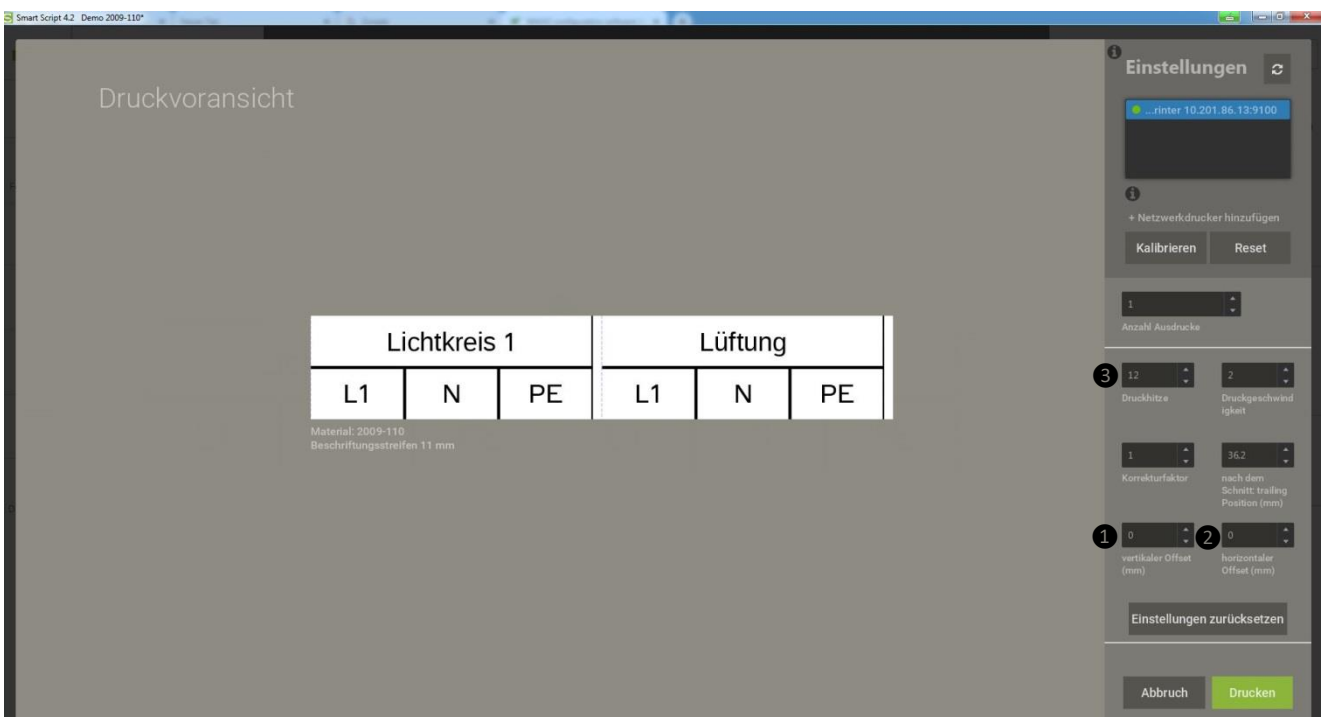


Figure 4.1

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Now perform some test printouts.

The printer needs the test printouts to adjust and implement the correction values.