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1 Getting Started

Print white designs on colored paper – quick and easy at home!

First of all: Congratulations on purchasing Ghost White Toner! With Ghost White Toner you can print in white on dark paper simply by replacing the black toner cartridge by the white toner cartridge. Generally speaking, achieving excellent printing results with Ghost White Toner is quite easy. Nevertheless, for complex designs and printed matters you will need to experiment with the printer settings. This guide is designed to help you with finding the best settings for your purposes. Enjoy discovering Ghost!

We support you!

You are at your wits' end? Don't despair! For any questions or problems, do not hesitate to contact us and we will help you with finding a solution.



+49 211-370 6755

support@ghost-white-toner.com

QUICK START GUIDE



Remove the black toner cartridge and insert the white toner cartridge.



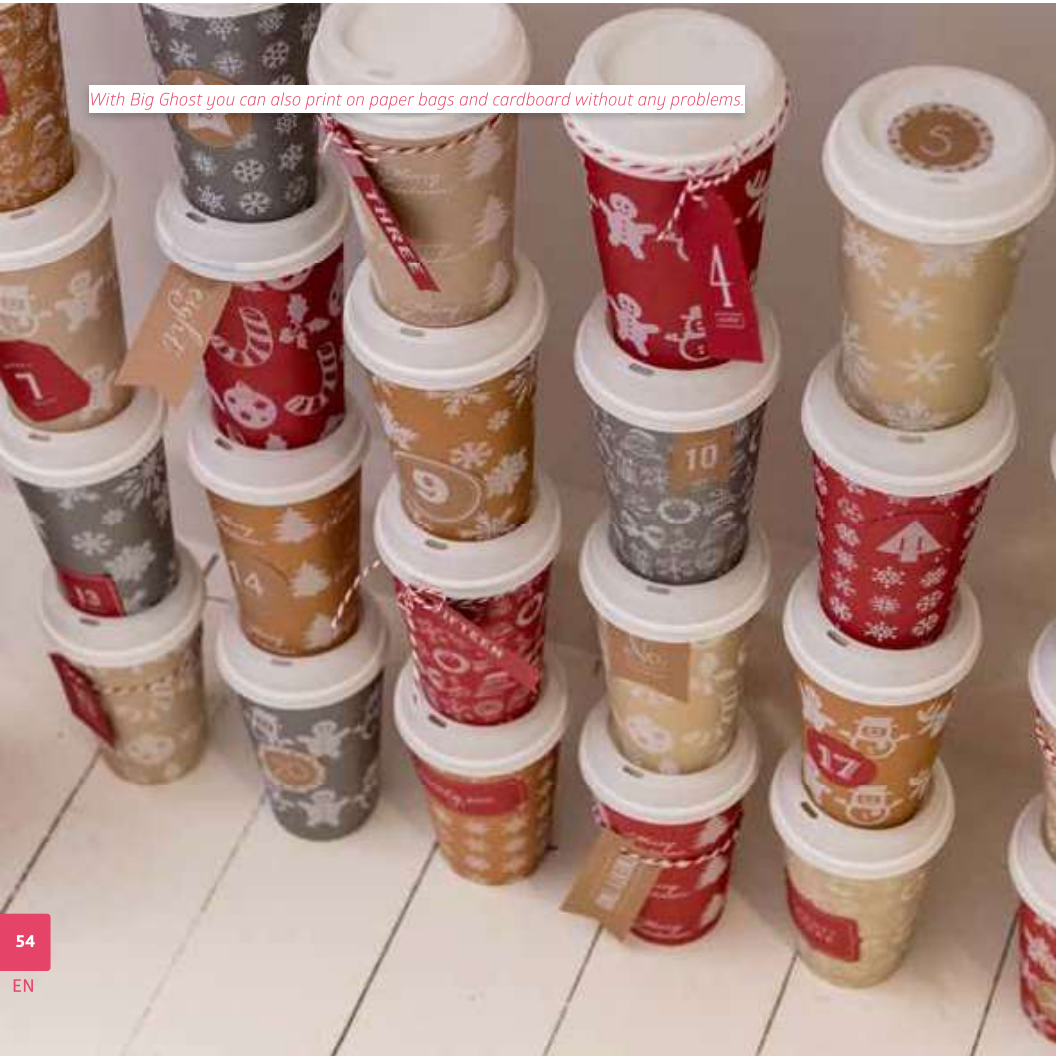
Create a file and set everything that is to be printed in white to 100 % k.



Important! Designs in white together with any secondary colors must be printed in two steps. For designs in white and 100% magenta or 100% cyan, for example, only one printing step is required.



Now you're ready to print! Don't forget to adjust printer settings to the thickness of the paper. There you go!



With Big Ghost you can also print on paper bags and cardboard without any problems.

2 General Information

Hot tips for the best printing results.

2.1 File Formats

For printing with Ghost White Toner on paper or transfer media you can use any common file format.

We recommend that you create your files with a graphics software such as Adobe InDesign or CorelDraw. Everything displayed in black on your screen will be printed in white, when the white toner cartridge is inserted into the printer.

.EPS

.PSD

.TIFF

.PDF

.JPG

2.2 Preparations before Printing

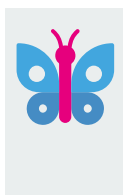
- Turn the printer on.
- Make sure that the right toner cartridge is inserted. If you want to print in white, remove the black toner cartridge and insert the Ghost White Toner cartridge.
- Always print out a test page to check the layout before carrying out large volume print jobs. Thus, you ensure that you have made the right settings and avoid any waste of paper or toner.

2.3 File Creation

- Use 100% k for all areas/elements you want to print in white.
- If you want to print in white and color in only one printing step, create you colors using a CMY mix only – without k.
- Please note that some colors may look totally different or less brilliant when printed on dark paper. For printing in pink on black paper, for example, proceed as follows:



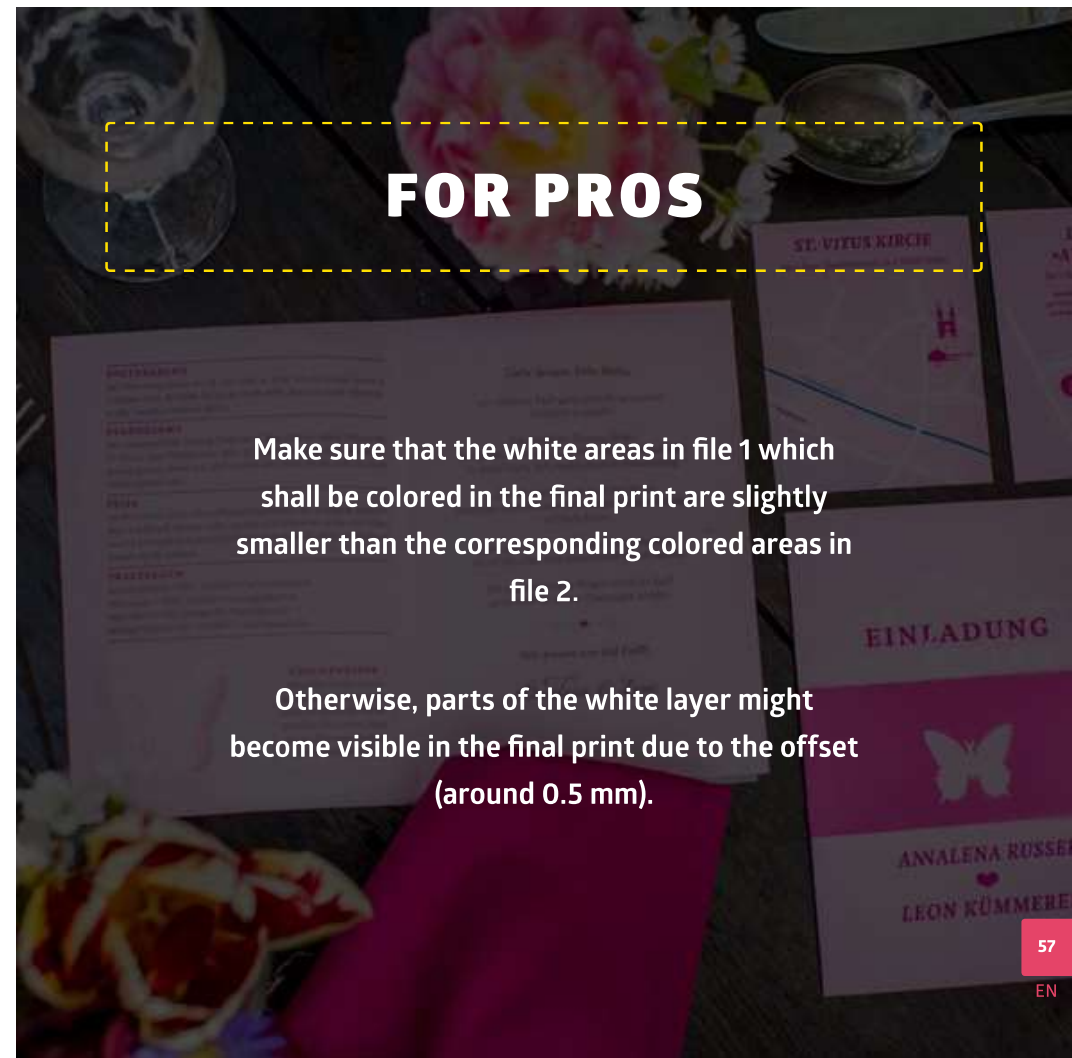
FILE 1:
Contains all white and colored areas, all set to 100% black.



FILE 2:
Contains only the colored areas. This file is printed in a second step.



RESULT:
Vibrant colors and brilliant white on dark paper.



2.4 Printer Settings

There are a number of printer settings that will help you to optimize your white toner printing results. As a general rule, you can increase the opacity of your white prints by selecting the paper type settings for heavy or rough paper.

	Little Ghost	Big Ghost
Color mode	CMYK	CMYK
Color settings:		
● cyan	0	0
● neon magenta	0	0
● neon yellow	0	0
○ white / black	+5	+5
Transfer foil	multipurpose tray, foil opaque	multipurpose tray, foil opaque
Card A6 220g/m²	multipurpose tray, heavy 176-220g/m ²	cut-sheet feed, heavy 176-220g/m ²
Uncoated paper 100 g/m²	multipurpose tray, rough	cut-sheet feed, rough
Envelope C6	Multipurpose tray, envelope or heavy envelope	cut-sheet feed, envelope or heavy envelope

FOR PROS

On the website of your Ghost printer, accessible through the IP address, you can adjust the color settings. For pros only!

Every Ghost comes with good standard settings. Nevertheless, you will need to experiment a little in order to find the right settings.

FOR PROS

For printing in color and white without having to exchange cartridges, limit your color selection and just use 100% magenta, cyan and/or yellow.

You can also use mixed colors, but you need to make sure that no black color is added.

3 Print in Color and White

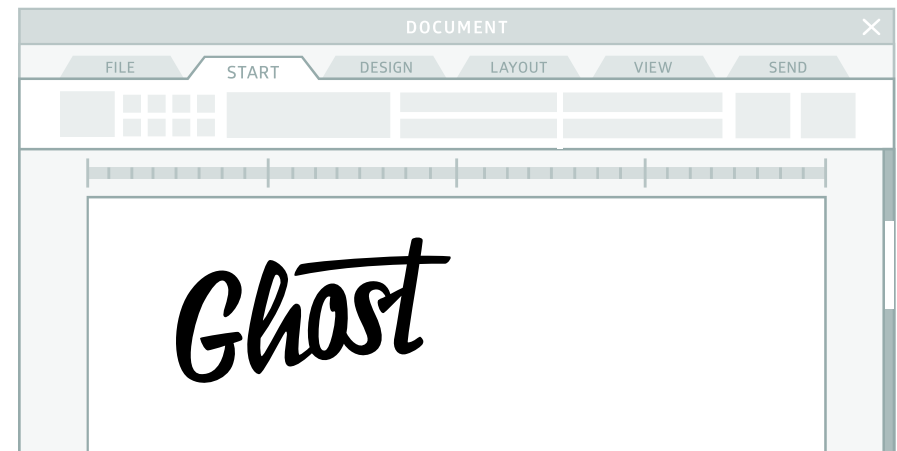
Overview over the settings for perfect printing results.

3.1 Open File

- Open your file, then open the print dialog window (CTRL-P).

3.2 Printer Settings

- Select your Ghost printer.
- Click PROPERTIES, then ADVANCED to access the advanced printer settings.



3.3 Paper Settings

- Select paper size and paper source.
- Select a paper type that resembles the quality and grammage of the paper you use.

We recommend that you always select a grammage of around 20g/m² over the actual grammage of the paper you use.

3.4 Color Settings

- Go to PROPERTIES, then COLOR.
- Deactivate HP EASY COLOR.
- Activate GRAYSCALE
- Set the color to BLACK in all of the select fields.

3.5 Printing

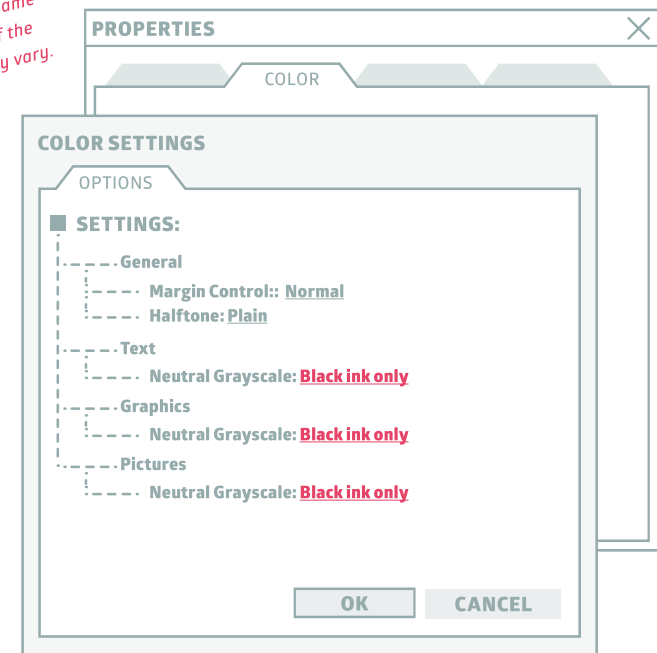
- Close all windows and save the new settings.
- Send the print job to your printer.

3.6 Printing in color

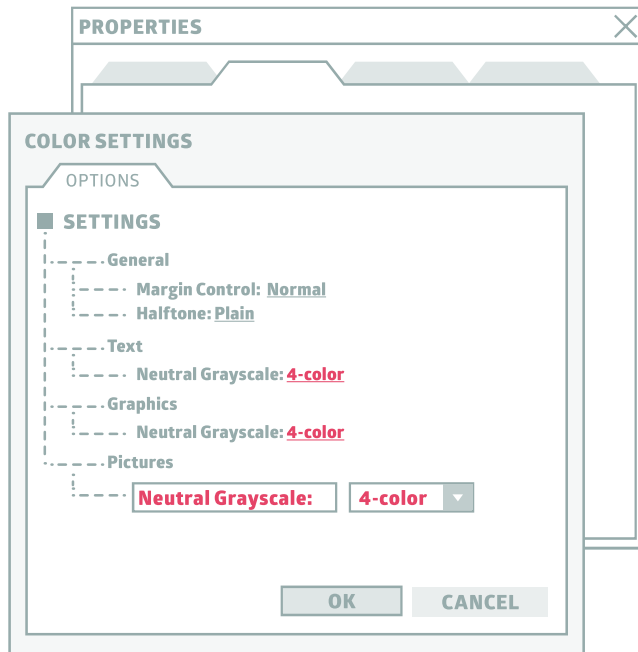
- Firstly, print all white areas as described above.
- Secondly, insert the black toner cartridge and print all colored areas.

We recommend that your create two separate files: one with the white under print layer and all the white areas of the design, the other one with all the colored areas.

Depending on the operating system, name and positioning of the setting options may vary.

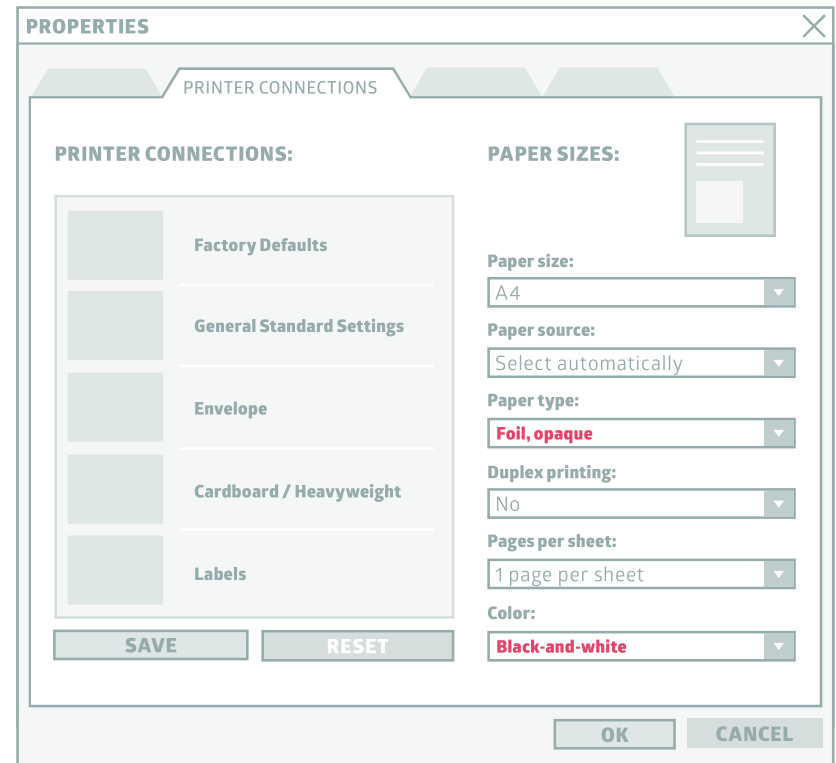


For perfect white printing results, set the color to BLACK in all of the select fields to avoid the addition of other colors.



2

For printing in color and white in one step, set NEUTRAL GRAYSCALE to 4-color printing.



3










Always ensure that you select the right paper type including grammage and quality. For printing on transfer media, always select FOIL. For printing in white, always select BLACK-AND-WHITE in the COLOR select field.

Ghost White Toner is perfect for toner transfer to fabrics.



4 Toner Transfer to Textiles

No-cut toner transfer with Ghost and Laser-Dark A-Foil.

- | | | |
|---|--|---|
|  Ghost printer |  B paper |  Scissors |
|  Transfer press |  Matte Finish paper |  Fabric |
|  Laser Dark A foil |  Copy paper A3 |  Ruler for alignment |

MATERIAL

You will find everything you need for toner transfer in our online store.



4.1 Printing

- Print a **mirror** image of your design onto the A foil.



4.2 Transfer Preparation

- Preheat the transfer press.
- Position the A foil in the center of the base plate with the printed side facing upwards.
- Cover the A foil with the B paper, coated side facing downwards.
- Cover A foil and B paper with Matt Finish Paper.
- Advice: Cut off the edges of the B paper in order to prevent soiling of the base plate.



4.3 Transfer B paper to A foil

- Press A foil and B paper together for 90 sec. at 130°C to 160°C and a pressure of 2-3 bar (medium pressure).
- Extend the pressing time to 120 seconds for transferring solid graphic designs or CMYK designs (see table 1).
- Remove the B paper from the A foil directly after the pressing procedure without lifting the A foil from the base plate. Remove it slowly by an even movement.
- Cut off the edges of the A foil to remove any B paper coating residues.



4.4 Transfer to Textiles

- Place a piece of fabric on the base plate of the transfer press.
- Properly position and align the design to be transferred on top of it.
- Press for 30 seconds at a medium pressure (parameters depending on the material, see table 2).
- **Let the fabric cool down completely before removing the A foil.**

4.5 Finishing

- For giving the print a mat finish and washing resistance, you must perform a last pressing procedure. Place a sheet of Matte Finish Economy on the print and press for 5 to 10 seconds (parameters see table 3).

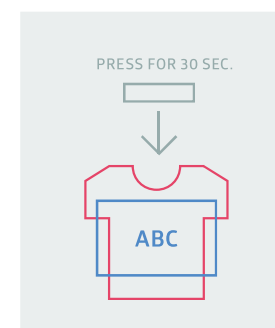
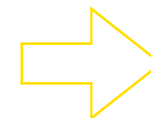
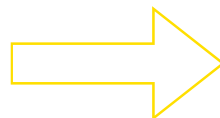
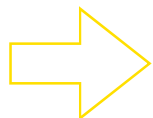
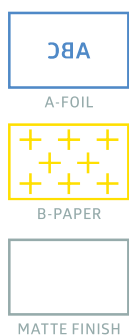


TABLE 1:

	Temperature	Time	Pressure
White (+ Color)	160° C	A4: 120 Sec. / A3: 120 Sec.	2-3 Bar
CMYK	150-160° C	120 seconds	2-3 Bar

TABLE 2:

Material	Temperature	Time	Pressure
Cotton	135-150° C	30 seconds	3-4 bar
Polyester	135° C	30 seconds	3 bar
Polypropylene	100° C	20 seconds	2 bar
Blended Fabrics	130-160° C	30 seconds	3-4 bar
Paper / Cardboard	100° C	15 seconds	1-2 bar
Book Cover	110° C	15 seconds	1-2 bar

TABLE 3:

Finishing		
Cotton (solid graphics)	150-200°C	10 seconds
Cotton (raster/vector graphics)	150-160°C	10 seconds
Polyester	125-135°C	10 seconds

Laser: Dark foils are especially suitable for soft, so-called porous materials such as felt, jute and other fabrics as well as wood.

FOR PROS










Cover the A foil and the B paper with 3-7 DIN A3 sheets of copy paper during the first pressing procedure. Thus, you ensure an even distribution of heat and pressure.

Rub the A foil and B paper with a soft cloth before separating them. Thus, you evenly cool the papers and avoid burning your fingers.



5 Print on Effect Foils

Create thrilling designs with neon, metallic, gold or silver Flex-Soft (No-cut) Foil!

- | | | |
|---|--|---|
|  Ghost printer |  B-Paper |  Scissors |
|  Transfer press |  Matte Finish paper |  Fabric |
|  Laser Dark A foil |  Copy paper A3 |  Ruler for aligning the design |

MATERIAL

5.1 Printing

- Print a mirror image of your design onto the A foil.

5.2 Transfer Preparation

- Preheat the transfer press.
- Position the A foil in the center of the base plate with the printed side facing upwards.
- Cover the A foil with the B paper, coated side facing downwards.
- Cover A foil and B paper with Matt Finish Paper.
- Advice: Cut off the edges of the B paper LowTemp in order to prevent soiling of the base plate.

You will find everything you need for toner transfer in our online store.



5.3 Transfer B paper to Flex Soft A Foil

- Press A foil and B paper together for 90 sec. at 130°C to 160°C and a pressure of 2-3 bar (medium pressure).
- Extend the pressing time to 120 seconds for transferring solid graphic designs or CMYK designs (see table 1).
- Remove the B paper from the A foil directly after the pressing procedure without lifting the A foil from the base plate. Remove it slowly by an even movement.
- Cut off the edges of the A foil to remove any B paper coating residues.



5.4 Transfer to Textiles

- Place a piece of fabric on the base plate of the transfer press.
- Properly position and align the design to be transferred on top of it.
- Press for 30 seconds at a medium pressure (parameters depending on the material, see table 2).
- **Let the fabric cool down completely before removing the A foil.**

5.5 Finishing

- For giving the print a mat finish and washing resistance, you must perform a last pressing procedure. Place a sheet of Matte Finish Economy on the print and press for 5 to 10 seconds (parameters see table 3).

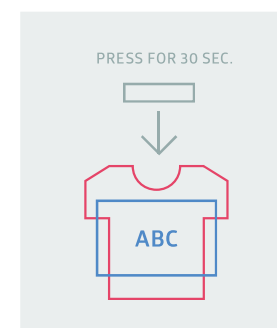
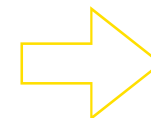
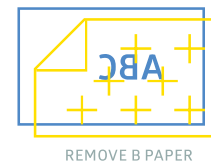
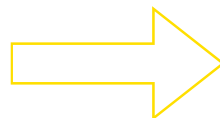
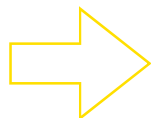
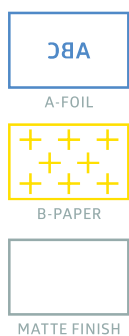


TABLE 1:

	Temperature	Time	Pressure
White (+ Color)	160° C	A4: 120 Sec. / A3: 120 Sec.	2-3 Bar / 30-40 PSI
Metallic & Neon Colors	140-160° C	A4: 120 Sec. / A3: 120 Sec.	2-3 Bar / 30-40 PSI

TABLE 2:

Material	Temperature	Time	Pressure
Cotton	135-150° C	30 seconds	3-4 bar
Polyester	135° C	30 seconds	3 bar
Polypropylene	100° C	20 seconds	2 bar
Blended Fabrics	130-160° C	30 seconds	3-4 bar
Paper / Cardboard	100° C	15 seconds	1-2 bar
Book Cover	110° C	15 seconds	1-2 bar

TABLE 3:

Finishing		
All Colors	10 seconds	Temperature corresponds to transfer temperature.



Flex Soft foils are available in a number of different colors in our online store.

FOR PROS

Cover the A foil and the B paper with 3-7 DIN A3 sheets of copy paper during the first pressing procedure. Thus, you ensure an even distribution of heat and pressure.

Rub the A foil and B paper with a soft cloth before separating them. Thus, you avoid burning your fingers and ensure cooling of the papers.

Design created with Ghost and toner transfer by
www.im-sew-happy.blogspot.de



6 Toner Transfer Troubleshooting

*Not totally satisfied with your toner transfer result?
Find some useful tips that will help you to improve toner transfer here.*

Suitable for all techniques of tonertransfer!



6.1 Fabric Selection

- For toner transfer to cotton, choose a less elastic fabric (without elastane or Lycra).

REASON:

Designs transferred to elastic fabrics tend to crack or peel off more easily than from non-elastic fabrics.



6.2 Transfer Press

- In case that the heat plate or base plate is covered with a teflon cover, remove it from your press.

REASON:

The teflon cover absorbs the heat causing toner transfer defects.

- Make sure that the rubber mat on the base plate is properly taped to the plate and not damaged.

REASON:

If the heat plate and the base plate are horizontally displaced and not properly aligned when closing the press, this can lead to an incomplete and improper transfer of the B paper coating to the A foil especially when transferring large designs. It can cause a defect, wear or loosening of screws at the closing unit of the press.

- Make sure that the temperature of the heat plate has reached the preset temperature. Wait until the base plate underneath the rubber mat is so hot that it can only be touched very briefly.

REASON:

Good transfer results can only be obtained, if the base plate is preheated sufficiently. In order to avoid a reduction of the temperature, keep the press closed, even when not using it.

- The rubber mat on the base plate must not be too soft.

REASON:

If the rubber mat is too soft, this can cause problems when separating A foil and B paper.

- Always position any transfer media or material in the center of the base plate.

REASON:

A lot of transfer presses do not evenly distribute the pressure. In such case, transfer errors can occur especially at the edges of the transfer press.



6.3 Separation of A Foil and B Paper

- Do not remove the transfer media from the base plate during separation.

REASON:

Lifting the transfer media from the base plate causes the media to cool down too quickly. This leads to parts of the design being removed from the A foil to the B paper.

- Do not separate the transfer media too quickly.

REASON:

Separating the transfer media too quickly can cause the toner to crack or peel off, especially on the edges and corners of the design.

- Separate the media by a flat movement.

REASON:

The transfer media remains on the press and a proper separation can be ensured.



6.4 Toner Transfer to Material

- Mask all edges of the transfer foil to the fabric/material using our heat-resistant thermal tape.

REASON:

Taping the transfer foil to the material will prevent an accidental lifting of the foil when opening the press..

- Cover the transfer foil with a sheet of Matte Finish Economy.

REASON:

Covering the transfer foil will prevent an accidental lifting of the foil when opening the press or when removing the material from the press. If the transfer foil is removed before having cooled, this can lead to an incomplete transfer of the design.



6.5 Removing The Transfer Foil

- After pressing the transfer media to the material, let the toner cool down completely.

REASON:

The toner must cure completely. Removing the transfer foil while it is still warm leads to an incomplete transfer of the design.

6.6 Finishing

- For making the design resistant to washing, cover the print with a sheet of Matte Finish Economy or Glossy Finish and press for 5 to 10 seconds.



FOR PROS









If you are already familiar with toner transfer, experiment a little with materials, designs and transfer parameters.

Discover new ways to enhance products with your designs. With Ghost you can print on almost every material imaginable. Just try it!



7 Toner Transfer to Uneven Surfaces

Print on decals and transfer your designs to candles, ceramics and glass.

-  Ghost printer
-  Material to print on
-  Tweezers
-  DECAL foil
-  Bowl with water
-  Dry cloth
-  Scissors
-  Ruler for aligning the design

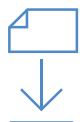
MATERIAL

You will find everything you need for toner transfer in our online store.



7.1 Printer settings:

- Paper type: Labels/Foils
- Paper source: multipurpose tray



7.2 Toner Transfer:

- Print your design on a DECAL foil..
- Ensure that the material to transfer the print to is even, dry and free from dust.
- Cut out the design as exactly as possible.
- Soak the decal in water for around 30 seconds. The decal will start to slightly curl.
- Gently rub the decal between the fingers so that the foil will peel off from the backing paper.
- Position the foil on the material.
- For preventing the formation of bubbles, smooth out the decal with your fingers or a rubber scraper.
- Remove most of the water from the decal in order to achieve an optimal quality.
- Let the decal dry for around 3 hours.

FOR PROS









Seal your design with a layer of clear varnish for making it long-lasting, resistant to humidity and more resistant to scratching as well. That also makes the design more resistant to scratching.

Diese Weinflasche kommt von www.wearebreadandjam.co.uk



8 Toner Transfer to Bottles & Mugs

Transfer your designs to bottles and glasses quick and easy with Multitrans foil. Also available in gold and silver!

- | | | |
|---|--|---|
|  Ghost printer |  Masking tape |  Ruler for aligning the design |
|  Mug heat press |  Scissors |  water for cooling off |
|  Multitrans foil |  Mug | |

MATERIAL



8.1 Printer Settings

- Paper type: Foil
- Paper source: multipurpose tray
- Settings: mirror image, CMYK mode (not RGB), color print



8.2 Transfer Press Settings

- Manual transfer press: 140°C / 180 Sec. / **high pressure**

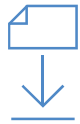
You will find everything you need for toner transfer in our online store.

91

EN

90

EN



8.3 Toner Transfer:

- Preheat the mug press.!
- Position the design and tape it to the mug.
- Put the mug into the mug press.
- Set the temperature to 140°C and the pressure to high.
- Press for 180 seconds.
- Let the mug cool down completely before removing the transfer foil



8.4 Transfer Tips:

- You can speed up the cooling of the mug by placing it into a bowl with cold water.
- Any undesired white toner residues on dark bottles can be removed easily with our hard-surface cleaner (Isopropanol).
- Place the silicon ring inside the mug press to ensure an even distribution of heat.
- Remove the transfer foil under running water.



9 Toner Transfer to Hard Surfaces

Use Multitrans foil to transfer toner to hard surfaces like glass, wood, plastic and much more.

- | | | |
|-----------------|----------------------|-------------------------------|
| Ghost printer | Masking tape | Ruler for aligning the design |
| Transfer press | Scissors | Water |
| Multitrans foil | Material to print on | |

MATERIAL

You will find everything you need for toner transfer in our online store.



9.1 Printer Settings

We recommend the following printer settings only for printing with Ghost White Toner:

- **Paper type:** Foil
- **Paper source:** multipurpose tray
- **Settings:** mirror image, CMYK mode (not RGB), color print



9.2 Toner Transfer

- Set the temperature of the transfer press to 200°C.
- Place the material onto the base plate of the press.
- Position the Multitrans foil on the material and cover it with the Universal silicon mat
- Place the sensor of the Basic Digital Thermometer between transfer paper and material.
- Open the transfer press when the set temperature (200°C) is displayed and remove the transfer paper as described (see table).
- If necessary, fix the toner onto the material using a wooden frame and applying a low pressure (1-2 bar).



9.3 Transfer Tips

- The pressing time varies depending on the temperature on the surface and the mass of the material.

Material	Pressure	Preheat for	Open at	Remove Foil	Finishing
Aluminum	4-5 bar	-	120°C	warm or cold	60 seconds
Adhesive Foil	4-5 bar	-	130°C	cool for 5-10 sec.	-
Chromolux Card-board	3-4 bar	10 seconds	100-110°C	warm or cold	-
Wood	4-5 bar	20 seconds	130°C	warm or cold	60 seconds
Ceramic tile	4-5 bar	-	130°C	warm or cold	60 seconds
Magnetic Foil	4-5 bar	-	110-120°C	warm or cold	60 seconds
Acrylic glass	4-5 bar	-	100-105°C	cool for 5-10 sec.	-
Mirror Glass	4-5 bar	-	145°C	warm or cold	-
Mouse Pad	4-5 bar	-	110°C	warm or cold	-
Place Mat	4-5 bar	-	110°C	warm or cold	60 seconds



Multitrans foils are especially suitable for hard, so-called non-porous surfaces such as mirror glass, ceramics, glass, metal etc. Transfer Ghost Toner to any material of your choice. Do not hesitate to try it out! Just make sure that the material is heat-resistant.

10 The most common mistakes ...

...and how to avoid them 😊



WRONG GRAMMAGE AND QUALITY SETTINGS:

If you do not properly adjust the printer settings to the grammage and quality of the paper and choose a lower or higher grammage, the toner will not be fixed accurately to the paper.

HOW TO AVOID THAT:

Adjust the grammage and quality to the paper or medium. We recommend that you always choose a slightly higher grammage. Use CARDBOARD for papers with a rough surface.



COLOR SETTINGS TO "COLORED":

If Ghost White Toner is accidentally mixed with other colors (often happens with jpeg or png files), this can lead to a silver-grayish color of the print.

HOW TO AVOID THAT:

In order to achieve opaque and brilliant white prints, make sure that you select **black-and-white** and GRAYSCALE in the settings.



REMOVING THE LASER-DARK FOIL WHEN STILL WARM:

If you do not remove the A foil from the B paper immediately after pressing, parts of the toner will be removed from the A foil to the B paper. This will hinder a clean toner transfer.

HOW TO AVOID THAT:

Separate the A foil from the B paper immediately after pressing (120 sec. at 160°C).

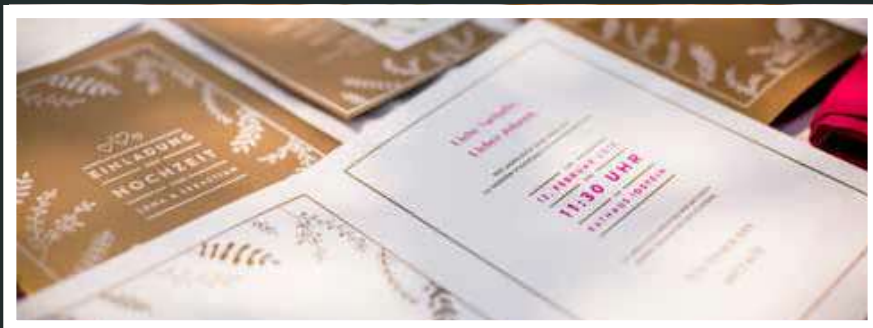


REMOVING THE LASER-DARK FOIL WHEN COLD:

If you remove the A foil from the B paper when the papers have cooled completely, the toner will completely be removed from the A foil to the B paper. In this case, a proper toner transfer is not possible any more.

HOW TO AVOID THAT:

Separate the A foil from the B paper immediately after pressing (120 sec. at 160°C).



Kontaktinformationen

Contact information

Du kannst alle Ghost-Produkte problemlos über unseren Onlineshop oder telefonisch bestellen. Es lohnt sich, regelmäßig reinzuschauen, da die Auswahl von Tonern ständig wächst.

You can buy all our products at ghost-white-toner.com. Check our website regularly, as we update our product portfolio frequently.



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www.ghost-white-toner.com



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