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13.0.26275 Hohenstein  
PRODUCT CLASS 1  
SUITABLE FOR  
BABY- & CHILDWEAR



DIGITAL TRANSFER MEDIA FOR PRINTERS WITH  
**CMYWHITE TONER**



# DIGITAL TRANSFER MEDIA FOR PRINTERS WITH WHITE TONER

## REVOLUTIONARY TECHNOLOGY

### A Dream Came True

It has been 25 years since the first laser copier was launched and almost that long since people started to use laser copiers and printers as a digital transfer manufacturing tool for garments. Printing and pressing a full-color image or photograph onto a t-shirt using laser printed heat transfers is a simple and inexpensive way for businesses like printers/copiers, t-shirt shops, screen printers and others to decorate all types of garments and promotional items. Unfortunately this simple and inexpensive way was up to now only limited to white or light colored garments. Printing on dark garments has always been a challenge. Even products with excellent washability and color, such as FOREVER's "Laser-Dark", have satisfied customer needs with the ability to print photographic images, the application of letters, numbers and logos have needed an additional cutting and weeding process. As a result, people have always dreamed about transfer printing on dark garments in an easier way.

### White Toner Made it Possible

The revolutionary White toner printers from OKI remove the last barrier in creativity and design. The new transfer papers from FOREVER for white toner technology make transfer printing on dark garments as easy as on white garments. The images are soft, bright and t-shirts can be washed over 15 - 20 times without seeing a significant degrade of the transfer. The color black is achieved through a blend of the other three colors (CMY) and white toner covers the complete image except black printed areas. The printer software automatically places more white toner on light colors and less white toner on dark colors, performing the desired, optimal color reproduction.

### Low Investment Costs

The printers are quite economical especially when compared to direct to garment and screen printing machines. The A3 printer cost less than 5.700 € and the A4 printer is available for less than 2.500 €.

## TRANSFER PAPERS FOR **OKI** WHITE TONER PRINTERS

**HARD SURFACES**  
GLASS, METAL, CERAMIC

**TEXTILES**  
COTTON  
POLYESTER  
NYLON  
SILK

**PAPERS & BOXES**

**...LEATHER**



### Low Production Cost

Even though the cost of the white toner is higher than the other toners, the average cost of printing a full-color A4 image is less than 0,50 €. The high-quality transfer papers from FOREVER are quite economical, making the total cost of an A4 Digital Laser Transfer less than 1,80 € including the 0,50 € printing cost.

### Attractive for All Sizes of Business

The applications where white toner can be used is extremely broad. From small business printing single t-shirts on demand to large screen printers looking for a fast and effective alternative, utilizing the white toner printer allows almost anything to print on dark colored garments or other dark colored substrates without any cutting required. This versatile system can also be used in industrial production for items such as printing on wood, ceramics, metal, glass, carton or other colored substrates.

### Easy Application

Digital transfer printing with white toner is much like printing with a regular color laser. A half a day's training and practice is all that is required to learn how best to utilize it effectively. The primary design programs of Corel Draw, Photo Shop and Illustrator are still used as normal.

### High Speed Production

The OKI can produce 500 - 1,000 prints an hour. The transfer application on garments takes around one minute for light colored garments and around 2 minutes for dark colored garments, allowing a worker to transfer print approximately 30/60 shirts per hour and per heat press. A worker can operate two heat presses simultaneously. Six workers can easily handle 4,000 t-shirts in an eight hour shift. Total investment cost of such an operation including two white toner printers and 12 transfer presses is 15,000 - 30,000 €, depending on the size of the printer and the quality of the heat press.

## COMPARISON WITH OTHER SYSTEMS

### SCREEN PRINTING

- No set-up cost
- Much lower investment cost
- Much higher resolution
- Flexibility

### PRINTABLE FLEX

- Much faster printing speed (20 - 30 times faster)
- No Cutting and Weeding
- Small fine details are also realizable
- Softer image quality

### DIRECT-TO-GARMENT PRINTERS

### FLEX

- No Cutting and Weeding
- Not limited to single color designs
- Lower inventory cost and less stock space
- Soft touch

- Much faster application
- Much lower investment
- Not limited to cotton
- Much more dependable, less service intensive system
- No daily cleaning, no problems with white ink
- No pre-treatment

## CMYW LED-PRINTER FROM OKI



ES7411WT/C711WT



ES9420WT/C920WT



ES9541DN/C941DN



Description:	DIN A4 printer	DIN A4/A3 printer	DIN A4/A3 printer
Print Speed:	A4 normal paper: 34 pp./min. A4 transparent: 8 pp./min.	A4 normal paper: 31 pp./min. A3 normal paper: 16 pp./min.	A4 normal paper: 50 pp./min A3 normal paper: 28 pp./min
Processor:	533 MHz	800 MHz	1,2 GHz
RAM:	Standard: 256 MB Max.: 768 MB	Standard: 512 MB Max.: 1024 MB	Standard: 2 GB Max.: 2 GB
Paper formats:	A4, A5, B5, A6	A3, SRA3, A4, A5, A6	A3, SRA3, A4, A5, A6
Size:	435 x 604 x 389 mm	654,5 x 625 x 471 mm	640 x 699 x 625 mm



# DIGITAL TRANSFER MEDIA FOR PRINTERS WITH WHITE TONER

## FOREVER LASER-DARK (NO-CUT) LowTemp



### DESCRIPTION

**FOREVER Laser-Dark (No-Cut) LowTemp** - Achieve amazing brilliant colors and outstanding wash resistance without cutting and weeding! Print your design on the A-Foil then press it together with the B-Paper LowTemp (the printed image facing the coating of the B-Paper LowTemp). Upon peeling, the white coating on the B-Paper LowTemp is transferred only to the toner on the A-Foil. Now, the design is completely weeded and

ready for transferring. The bright white coating of the B-Paper improves the opacity and vibrancy of colors on dark fabrics and it also greatly enhances adhesion for better durability and wash-ability. As an additional benefit, the no cut no weed means there is no unwanted background on the garment! Just the areas with toner are transferred. The result can be compared to screen printing - only faster, cheaper and more efficient!

### A-FOIL:

This is the transfer media on which you print your image. The transparent material has a special top-coating that protects the toner. This improves durability and washing resistance, even when applied at low transfer temperatures (300-320°F). **No more guessing where the transfer is applied! The transparent foil gives precise placement on your garment.**

### B-PAPER LowTemp:

The B-Paper LowTemp was developed specifically for the A-Foil. It is finely tuned to ensure optimal processing. The special coating of the B-Paper develops its adhesive power starting at 212°F (100°C), allowing a variety of different materials or surfaces to be transfer printed.

### APPLICATION

The application on cotton is done at 300-320°F. The process of applying the white backing is a hot peel and due to the heat storing capacity of the A-Foil, the separation of A & B media is very easy. Both, step one, pressing the A & B media together and step two, transferring onto cotton garments can be done at the

same temperature. In order to protect the material and to prevent color migration, polyester garments are pressed at lower temperatures of 275-290°F. Depending on the composition and heat tolerance of the material transfer temperatures on different materials vary between 212-390°F (see below).

### CHARACTERISTICS

- No Cutting - No Weeding
- Very Soft Touch
- High Washability
- Vibrant, Brilliant, Colors

### PRINTABLE MATERIALS

Cotton, Polyester, Mixed Fabric, Nylon, Silk, Leather, Denim, Paper, Bookcover, Wood, Metal, etc.

### WEIGHT & SIZES

- 136 g/m<sup>2</sup>
- DIN A4R, DIN A3, A4XL
- 8.5 x 11 inches, 11 x 17 inches



### ITEMNUMBER

A-Foil Finishing DIN A4:	95 000 950 29
A-Foil Finishing DIN A4XL:	95 000 950 42
A-Foil Finishing DIN A3:	95 000 950 30
A-Foil Finishing 8.5 x 11 in.:	95 000 950 32
A-Foil Finishing 11 x 17 in.:	95 000 950 31

A-Foil DIN A4:	95 000 950 11
A-Foil DIN A4XL:	95 000 950 37
A-Foil DIN A3:	95 000 950 10
A-Foil 8.5 x 11 in.:	95 000 950 09
A-Foil 11 x 17 in.:	95 000 950 12

B-Paper LowTemp DIN A4:	95 000 950 21
B-Paper LowTemp DIN A4XL:	95 000 950 38
B-Paper LowTemp DIN A3:	95 000 950 20
B-Paper LowTemp 8.5 x 11 in.:	95 000 950 19
B-Paper LowTemp 11 x 17 in.:	95 000 950 22



## FOREVER LASER-DARK (NO-CUT) FINISHING

### FINISHING WITH HOT STAMPING FOILS AND TRANSFER FLOCK

Until now, the finishing of textiles with metallic foils and flock fibers could only be achieved with a standard flex or flock material and was limited in the options. Only large logos and lettering could be plotted and transferred. **FOREVER Laser Dark (No-Cut) FINISHING** transfer can easily be metallized or flocked, with the advantage that even the finest details can be transferred. In the first step, a single color design is transferred onto the fabric. The application is identical to the normal LASER DARK (No-Cut) LowTemp application,

except that, instead of the standard A-Foil you have to use the **A-Foil FINISHING**. In an additional step the design can be metallized or flocked with a hot stamping foil or a flock transfer sheet.

With a choice of 52 different hot stamping foils and 9 flock colors, detailed or even rasterized designs (see page 6, TransferRIP) can be easily decorated.

**The typical limitations of heat transfers process with flex and flock are now a thing of the past!**



Laser-Dark (No-Cut)  
Finishing



### FINISHING WITH TRANSFER FLOCK SHEETS

First, decide which Flock Color you want to transfer on the garment. Then, print your design in the same color on the A-Foil FINISHING and press together with the B-Paper LowTemp at 300-320°F. Now the prepared transfer is pressed at a low temperature, with a short press time and low pressure to the fabric or other surfaces. In the last step, the finishing with the flock sheets have to be done at 390°F, with a long press time and high pressure to achieve a perfect transfer result and a high wash resistance. If you desire to decorate surfaces which don't require wash resistance, you can process as low as 250°F. The flock fibers attach only to the design, so **no cutting** and **weeding** is required.



### FINISHING WITH HOT STAMPING FOILS

After you have printed your design in black color on the A-Foil FINISHING, it will be pressed together with the B-Paper LowTemp at 300-320°F. Next the prepared transfer will be pressed at the same temperature onto the fabric or other surfaces. In the last step, the Hot Stamping Foil will be transferred onto your design. The foil sticks only on your design and not on the fabric!



## DIGITAL TRANSFER MEDIA FOR PRINTERS WITH WHITE TONER

### FOREVER LASER-LIGHT (NO-CUT)



#### DESCRIPTION

Self-Weeding Transfer Paper for Light Colored Garments. The application of this product is quite easy to understand, fast and provides consistent results. It is a 1-Paper-System for printing onto light colored textiles. The white toner enriches the color spectrum and the white toner coverage under the colors enables extraordinary bright and outstanding results on light colored garments. This product also works on dark colored garments giving a slightly less bright result than on light colored garments.

#### SIZES

DIN A4R, DIN A3,  
8.5 inch x 11 inch, 11 inch x 17 inch

#### PRINTABLE MATERIALS

Cotton, Paper products

#### WASHABILITY

Up to 30°C



#### ITEMNUMBER

DIN A4R: 95 000 959 34  
DIN A3: 95 000 959 33

8.5 inch x 11 inch: 95 000 959 31  
11 inch x 17 inch: 95 000 959 32

### FOREVER TransferRIP



## TRANSFERRIP

COLOR PROFILE • WHITE CONTROL • RASTERIZATION



**FOREVER TransferRIP**, in combination with the FOREVER transfer media and the OKI White Toner printers, opens up incredible opportunities for all users. This Software enables the user to run small productions at high resolution efficiently and with a result that is even softer than screen printing on the textile. Even if it is about producing one single transfer!

#### Fully Automated Design-Cropping!

The most common formats, such as EPS, PSD, PDF, TIFF, JPG, can be imported easily. At the same time, the software detects alpha channels and cutting paths, creates and saves these for your images automatically.

#### Color Management for Professional Requirements!

With the selective white toner control, as well as the specially for FOREVER Transfer Media tuned color profiles, the user receives optimal color reproduction. Nevertheless, the user has multiple settings such as brightness, contrast, saturation and selective color correction to adjust the image according to his personal needs.

#### Up to 40 % Printing Cost Savings due to Lower Toner Consumption!

This is achieved through selective reduction of white toner, rasterization and the optimal use of the textile color as a toner replacement in the design.

#### Tremendous Improvement of Wash Fastness!

Rasterized designs can be washed better than full scale designs, because the mechanical abrasion of the printed image is minimal in comparison. Excellent results were especially achieved with polyester fabrics that were washed more than 40 times at 40°C without losing image quality.



## FOREVER MULTI-TRANS



### DESCRIPTION

Multi-Trans has been in use with CMYK printers for over 15 years with excellent transferring results. So far, its usage was limited to white or light colored materials. With the introduction of the white toner, there are no limits anymore. The materials underneath and many other heat resistant materials in any color can be transferred with a matt finish.



### PRINTABLE MATERIALS

Mugs, plates, beer steins, magnetic vinyls, wood, place mats, chromolux, tiles, mirror, acrylic glass, metal, nylon, pens, CDs.

### CHARACTERISTICS

Transfer paper for printing onto hard surfaces

### WEIGHT & SIZES

140 g/m<sup>2</sup>  
DIN A4R, DIN A3  
8.5 x 11 inches, 11 x 17 inches



#### ITEMNUMBER

DIN A4R:	<b>95 000 300 03</b>	8.5 inch x 11 inch:	<b>95 000 970 14</b>
DIN A3:	<b>95 000 300 00</b>	11 inch x 17 inch:	<b>95 000 971 00</b>

## FOREVER WATERSLIDE

### DESCRIPTION

Waterslide paper is used by heat sensitive materials and/or materials without a flat surface. The application is different than with CMYK printers. Due to the fact, that the white toner is printed as last on top of the colored toners, the Waterslide paper can only work in a 2-Paper-System. The design is printed on the A-Paper

(see page 5) and the A-Paper is pressed together with the Waterslide Paper under heat. After the separation of both papers, the toner transfers to the Waterslide Paper, which brings white under the colors. Now, the image can be slid over any colored substrate as usual.



### PRINTABLE MATERIALS

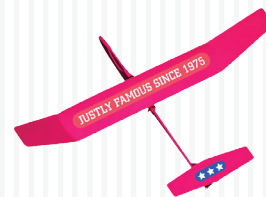
Ceramic, glass, candles and cardboard

### CHARACTERISTICS

Cold transfer, Transparent foil

### WEIGHT & SIZES

130 g/m<sup>2</sup>  
DIN A4R, DIN A3



#### ITEMNUMBER

DIN A4R:	<b>95 000 500 04</b>
DIN A3:	<b>95 000 500 03</b>



FOREVER is the world's leading heat transfer manufacturing company that has been producing transfer media for the digital printing industry since the early 90's. We focus on delivering innovative, high-quality solutions for all kinds of different digital printers and ink systems. FOREVER's products are used in over 100 countries, from small retailers to large industrial manufacturers.

- Contract Coating
- Special Know-How in Multi-Layer Coatings
- Development of Customer Specific Coatings
- Manufacturer of Digitally Printable Media for Desktop, Large Format and Industrial Printers
- Converting of Master Rolls to Sheets or to Small Rolls
- OEM-Packaging

FOREVER is the choice of the experts!

## WORLD'S LEADING MANUFACTURER OF **HEAT TRANSFER MEDIA FOR**



WHITE TONER  
PRINTER



LASER  
PRINTER



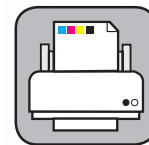
SUBLIMATION  
PRINTER



SOLVENT  
PRINTER



PLOTTER/  
CUTTER



INK-JET  
PRINTER



HP  
INDIGO