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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 OKI White Toner Printers are quite economical, especially when compared to Direct-to-Garment and screen printing machines. The A3 printer costs less than 5.000 € 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



REVOLUTIONARY TECHNOLOGY

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 two 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

DIRECT-TO-GARMENT PRINTERS

- Much faster application
- Much lower investment
- Not limited to cotton
- No daily cleaning, no problems with white ink
- No pre-treatment

FLEX

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

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

CMYW LED-PRINTER FROM OKI



ES7411WT/C711WT



ES9420WT/C920WT



ES9541WT/C941WT



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. 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 LowTemp improves the opacity and vibrancy of colors on dark fabrics and it also greatly enhances adhesion for better durability and washability. 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 255-275°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/m²
- DIN A4R, DIN A3, A4XL
- 8.5 x 11 inches, 11 x 17 inches, 8.5 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 FINISHING 8.5 x 17 in.: **95 000 950 59**

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**
 A-Foil 8.5 x 17 in.: **95 000 950 57**

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**
 B-Paper LowTemp 8.5 x 17 in.: **95 000 950 58**



FOREVER LASER-DARK (NO-CUT)

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) LowTemp** 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 with the A-Foil FINISHING onto the fabric. 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 15 flock colors, detailed or even rasterized designs (see page 6, TransferRIP) can be easily decorated.

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



15 DIFFERENT COLORS



52 DIFFERENT COLORS & TEXTURES

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 and press together with the B-Paper LowTemp at 300-320°F. Now the prepared transfer is pressed 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, 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!

COLOR METALIZING WITH HOT STAMPING FOILS

With this technique FOREVER has raised the bar in digital transfer technology. The process is easy, but requires one more step. A second printout „without white“ will be placed and pressed exactly in the same position as your metallized design. Guaranteed to impress!

Laser-Dark (No-Cut)
FINISHING



DIGITAL TRANSFER MEDIA FOR PRINTERS WITH
WHITE TONER

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

ABSOLUTELY IMPRESSIVE! RASTERIZING!

*Laser-Dark (No-Cut) introduces more new things. From now on you can create designs with a soft touch like screen printing. It looks great, increases the wash fastness, but do not forget the economic view, **it saves toner and your money!***



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 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.

PRINTABLE MATERIALS

Cotton, Paper products

CHARACTERISTICS

- Washable up to 30°C
- Very Easy Application

SIZES

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



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

ITEMNUMBER

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/m²
- DIN A4R, DIN A3
- 8.5 x 11 inches, 11 x 17 inches



DIN A4R: 95 000 970 05
DIN A3: 95 000 970 10

8.5 inch x 11 inch: 95 000 970 14
11 inch x 17 inch: 95 000 971 00

ITEMNUMBER





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 **DIGITAL TRANSFER MEDIA FOR**



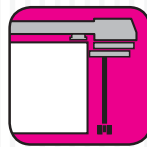
WHITE TONER
PRINTER



LASER
PRINTER



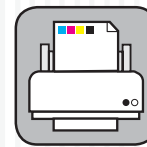
SUBLIMATION
PRINTER



SOLVENT
PRINTER



PLOTTER/
CUTTER



INK-JET
PRINTER



HP
INDIGO