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 €.
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

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

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
- 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

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

ES7411WT/C711WT
ES9420WT/C920WT
ES9541DN/C941DN
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.

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

WEIGHT & SIZES
- 136 g/m²
- DIN A4R, DIN A3, A4XL
- 8.5 x 11 inches, 11 x 17 inches

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

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!**

**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!
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 A4: 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

TRANSFER RIP
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 transfer-printed 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

ITEMNUMBER
DIN A4R: 95 000 300 03
DIN A3: 95 000 300 00

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 seperation of both papers, the toner transfers to the Waterslide Paper, which brings white under the colors. Now, the image can be slipped over any colored substrate as usual.

PRINTABLE MATERIALS
Ceramic, glass, candles and cardboard

CHARACTERISTICS
Cold transfer, Transparent foil

WEIGHT & SIZES
130 g/m²
DIN A4R, DIN A3

ITEMNUMBER
DIN A4R: 95 000 500 04
DIN A3: 95 000 500 03
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.

FOREVER is the choice of the experts!

WORLDS LEADING MANUFACTURER OF
HEAT TRANSFER MEDIA FOR

• 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

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