WHEN PAPER MEETS...

- Digital Sublimation Transfer Paper
COLDENHOVE SUBLIMATION PAPER

The global paper standard for digital transfer
Digital sublimation transfer printing is probably the most spectacular innovation in the digital graphic industry over the last decade. The possibilities of this technology stimulate a variety of new applications. This and the fact that more and more global brand owners demand shorter supply chain cycles while maintaining quality and color consistency is why printing suppliers rely on Coldenhove Papier in order to fulfill their customers’ needs.

See with your own eyes what Coldenhove Papier can do for you and your business
Impressive reliability of the color rendering and the sharpness of the geometric or organic patterns makes it possible to meet the customer requirements nowadays. Lowering waste of precious fabric and expensive inks already pays for this paper and makes it possible to bring runability and transfer yield to a higher level. Coldenhove sublimation paper allows for easier printing on more types of polyester or blends without the use of pre- or post-treatment. It allows printing companies to achieve consistent quality, brilliant colors, flawless blotches and geometric or organic patterns for their collections – resulting in satisfied end consumers.

ABOUT COLDENHOVE PAPIER

Coldenhove Papier is the product leader in the Digital Transfer Paper industry and one of the oldest paper mills in the Netherlands. It has been founded in 1661, still family owned and has operated its’ business for over three centuries. Since the advent of digital sublimation paper in 1998, Coldenhove Papier has played a leading role in the digital sublimation industry where innovation is crucial.
**COLDENHOVE TRANSFER PAPER ADVANTAGES**

**Highest ink transfer % for brilliant colors**
Coldenhove Papier uses the most advanced coating available and is worldwide patented. The paper is designed to release the dyestuff from the ink as much as possible during sublimation process, resulting in brilliant colors. This makes the high ink load possible that is needed to meet the specific requirements of the business. Based on the knowledge of coatings, application specific paper have been developed to support your printing needs.

**Highest runability for higher production efficiency**
Coldenhove Papier has been there from the outset of digital sublimation paper. This is why we have more in depth knowledge of the whole printing process and interaction with the paper than anyone. The support and service we can give to printers worldwide is unmatched and makes your printer productivity go up. This results in less waste and the lowest costs per meter.

**Consistent product quality for color calibration**
Coldenhove’s sublimation papers are produced in FSC quality from 100% recyclable pulp to end roll in one process in a factory on our own premises. The coating is applied inline. Therefore Coldenhove Papier can guarantee an unravelled consistency leading to calibrated color for each different run.

**Most sustainable printing solution to achieve sustainable collections**
Ultra-light weight paper with special coatings enable you to transfer 97% of the ink on to polyester textiles. This results in a substantial ink reduction. The paper products of Coldenhove have been approved by well-respected companies to be used for Blue Sign and OEKO TEX certified collections.
The innovation and development department is working continuously on the optimization of the portfolio of Coldenhove Papier creating new and optimized products. Coldenhove Papier complies with all Dutch and European environmental legislation and requirements for paper production.

THE COLDENHOVE TECHNOLOGY

The dye sublimation process allows dye particles to transform from a solid state into a gaseous state and sublimes a printed image from the transfer paper onto a substrate while in the transfer press. This results in the molecular chains of the polyester opening. The dye particles, in gaseous form, can now permeate the polyester or mixed polyester textile. Thanks to this high-tech process, printing can take place in a variety of applications such as fashion, sportswear, home furnishing and signage. It enhances trends as short run production and customisation and lets the textiles shine with brilliant, long-lasting colors.

OUR PRODUCTS

Jetcol® The original
The Coldenhove “Original” dye sublimation paper assortment can be characterized by its diversity. Diversity in paper thickness, diversity in the ability to handle ink quantities without cockling, diversity in roll widths but only characteristic always remains; a consistent quality. You know what you can expect from a Coldenhove “Original” and this paper will do exactly where you purchased it for!

- Widest range of grades and sizes
- Highest quality

Jetcol® Industrial
The industrialization of the dye sublimation market led to the introduction of high speed industrial plotters and single pass printers with Kyocera heads and matching sublimation inks. It resulted into new technological demands for sublimation papers. In answer to these needs, a tailor made assortment has been developed. In close cooperation with leading printer- and ink producers in the market, we developed the Jetcol® Industrial sublimation papers. The Jetcol® Industrial papers are dedicated to high speed production and higher glycol inks. With more meters on a roll, you will be able to generate a perfect quality, at lowest cost of use.

- Jumbo reels
- High speed

Jetcol® Special
The Coldenhove “Specialties” are developed to face the challenges that all printjobs sometimes have. The “Specialties” can contribute if you are looking for a faster drying paper, if you want the textile and paper to adhere during the sublimation process, if you are sublimating on a very closely knitted/stretchy textile which may cause some issues, if you sublimate on rigid materials or you just have to use a lot of ink to reach the required colours. Coldenhove has a dedicated paper grade for all applications which will make you live as a paper printer much easier.

- One paper fits all
- Lowered total cost of ownership
Signage
Production
Coldenhove Papier is a paper mill that produces digital sublimation transfer paper, from pulp to end roll.

Coating
A durable coating is applied inline. Because we oversee the entire process in our own factory, we have total control over every aspect of the production process, virtually guaranteeing flawless rolls of paper.

Sublimation paper
Coldenhove Papier has a worldwide network of official distributors and agents supplying printed textile in every region.

System Integrator

Sublimation process
Coldenhove papers allow for easier, more consistent printing of colors and patterns without the use of pre- or post treatment.

Data Preparation (RIP)

Print on transfer paper
Paper is designed to support a smooth run for both plotters and high-speed industrial printers.

Heat press transfer
Paper includes a special coating, which results in less ink use.

Applications
Fashion
Signage
Home Furnishing
Hard Substrates
Sportswear
Your Markets

Fashion

The fashion market is mainly focusing on ladies wear for the well-known international fashion brands. The “fast-fashion” is a fast growing part of digital sublimation paper printing where production is done only on demand. This “fast-fashion” market arose by the new generation of superfast digital printers which allows companies worldwide to produce at competitive total cost of use in comparison with the cost for analogue printing because the cost structure for digital printing is totally different. Coldenhove offers special developed paper grades to meet the demands of these digital paper printers worldwide. This will allow you to service this fashion market where competitive pricing and high consistency are key words.

- Jetcol® HTR 1000
- Jetcol® HTR 3000
- Jetcol® HTR 3500
- Jet-X®
- Xtreme®
- Xtreme® Light

Sportswear

Sportswear is the traditional market for digital dye sublimation paper printing. When Coldenhove introduced their sublimation paper in 1998, the main application was sportswear. Even now, the digital sublimation paper printing is the optimal solution for sportswear. The colours and contour sharpness are optimal and the digital sublimation paper printing is perfect for the personalization of sports garments. The improvement of textiles with the introduction of mixed fibres contributes to a fast growing market. Coldenhove has met the demands of sportswear printers with dedicated paper grades from day one.

- Jetcol® HTR 3000
- Jetcol® HTR 4000
- Xtreme®
- Jetcol® TA
- Jetcol® High Speed

Home Furnishing

This market is a fast growing part of the digital dye sublimation paper printing with end app applications like pillows, blankets and curtains. The remarkable things of this market is that order quantity can go as low as one piece or up to thousands of pieces and that the printing widths have a lot of variations. Coldenhove has developed tailor-made paper grades which will give you, depending on the printer- and ink type and the end application, the best results.

- Jetcol® HTR 1000
- Jetcol® HTR 3000
- Jetcol® HTR 3500
- Jetcol® HTR 4000
- Jetcol® High Speed

Signage

This high quality market defines itself by vibrant colours, very detailed- and mostly large format prints. Besides visual communication in retail shops and boutiques also textile partition walls, flags and exhibition backdrops are part of this signage market. This market is currently still working with several ink grades like water- and solvent based sublimation inks. Coldenhove offers you dedicated paper grades for any printer/ink combination allowing you to print flawless and with results that will exceed your customers’ expectations.

- Jetcol® HTR 1000
- Jetcol® HTR 3000
- Jetcol® HTR 3500
- Jetcol® High Speed
- Jetcol® OS

Hard Substrates

Driven by the creativity of designers around the world, the market of digital dye sublimation on rigid materials is expanding fast. This market can be divided in the market for personalized consumables like mugs, tiles, phone covers and a separate market for industrial applications like aluminium Chromalux panels. These markets have several different characteristics but also one distinctive similarity: The boundless creativity which results in extraordinary colour full products.

- Jetcol® HTR 4000
- Jetcol® High Speed
- Ask for the latest developments
### CHOOSE YOUR OWN...

<table>
<thead>
<tr>
<th>Product Group</th>
<th>JETCOL® THE ORIGINAL</th>
<th>JETCOL® INDUSTRIAL</th>
<th>JETCOL® SPECIAL</th>
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<tbody>
<tr>
<td>USP</td>
<td>Widest range of grades and sizes</td>
<td>High speed</td>
<td>Special features</td>
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<td></td>
<td>Global standard</td>
<td>Industrial segment</td>
<td>Raises the bar on standards</td>
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<tr>
<td>Compatible printers</td>
<td>Plotter printers, including but not limited to: Epson, Mimaki, Mutoh, Roland, etc.</td>
<td>Industrial printers, including but not limited to EFi Reggiani, MS Italy, DGI, Düst, La Meccanica</td>
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<tr>
<td>Compatible inks</td>
<td>Water based</td>
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<td>Waterbased Oil solvent</td>
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- More meters/yards on a roll
- Good drying speed
- Easy handling on calander
- More meters/yards on a roll
- High transfer yield
- Adhesive paper
- Suitable for various of elastic fabrics
- Avoids ghosting and shadow lines
- Suitable for closely knitted textiles
- Anti-rivering
- Easy handling on printer and calander
- High print stability
- High transfer yield
- Suitable for higher ink volume
- High ink coverage
- Contour sharpness
- More meters/yards on a roll
- High transfer yield
- Low transportation costs of printed paper*
- Excellent drying speed
- High rub resistance of printed paper
- Available in wide range of specifications
- Suitable for solvent inks
- No cockling and no migration
- Available in 3.2 printer width

*Only available under specific terms & conditions.
“SEE WITH YOUR OWN EYES WHAT COLDENHOVE PAPIER CAN DO FOR YOU AND YOUR BUSINESS.”