DIGITAL BLANKET PRINTING
WITH CHROMOJET OR COLARIS TECHNOLOGY

CLUB.BLANKETS
LICENSE.BLANKETS
PROMOTION.BLANKETS
BABY.BLANKETS
DECORATIVE.BLANKETS
others ...
CHROMOJET PRINTING is the digital printing method for mink blankets which is overturning the traditional concept in the blanket printing industry.

CHROMOJET PROCESS COLOR PRINTING

- Any color or shade is possible
- No limitation in size of artwork
- Full penetration
- Low dye cost (standard disperse dyes can be used)
- Designs can be nested freely to optimize the usage of raw material
- Samples can be printed at any time with any size, also during normal production and pile weight between 300 and 1,000 g/m²

DYES AND CHEMICALS

The dye is actually mixed on site. The basic ingredients are water, disperse dyestuff, dispersing agent and PP7 powder thickener.

<table>
<thead>
<tr>
<th>Specification and Technical Data of CHROMOJET</th>
<th>CHR&lt;sup&gt;800&lt;/sup&gt; 2600</th>
<th>10 x 1024</th>
<th>CHR&lt;sup&gt;800&lt;/sup&gt; 3400</th>
<th>10 x 1024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print width</td>
<td>up to 2,650 mm</td>
<td>up to 3,450 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pile weight of knitted pile products</td>
<td>300 - 1,000 g/m²</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of base process colors</td>
<td>10 (12 colors optional)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Achievable colors on substrate</td>
<td>&gt; 5000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeat size</td>
<td>Unlimited - restricted by memory size</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jets per color</td>
<td>1,024; type HSV800</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. linear prod. speed 76 x 38 dpi</td>
<td>5.3 - 6.3 m/min</td>
<td>3.7 - 4.4 m/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. linear prod. speed 76 x 50 dpi</td>
<td>4.2 - 5.0 m/min</td>
<td>2.6 - 3.1 m/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applications</td>
<td>Mink blankets with high pile up to 1,000g/m²</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
COLARIS BLANKET PRINTING

COLARIS DIGITAL INKJET PRINTING is used to print polar and coral fleece blankets.

COLARIS INKJET PRINTING

- Any color or shade is possible
- Only 4 base colors
- Best penetration
- High definition
- High performance inks - NO color kitchen
- Samples can be printed at any time with any size, also during normal production
- Best for pile weight from 200 to 500 g/m²

INKS

COLARIS can use disperse inks from various suppliers.

<table>
<thead>
<tr>
<th>Specification and Technical Data of COLARIS</th>
<th>COLARIS.96-2600</th>
<th>4+2 x 16</th>
<th>COLARIS.96-3400</th>
<th>4+2 x 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print width</td>
<td>up to 2,650 mm</td>
<td></td>
<td>up to 3,450 mm</td>
<td></td>
</tr>
<tr>
<td>Pile weight of knitted pile products</td>
<td>200 - 500 g/m²</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of colors</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Print heads</td>
<td>16 FUJIFILM Dimatix StarFire 1024</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Achievable colors on substrate</td>
<td>&gt; 100,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeat size</td>
<td>Unlimited - restricted by memory size</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. prod. speed 400 x 800 dpi</td>
<td>6.0 - 6.9 m/min</td>
<td></td>
<td>5.0 - 6.0 m/min</td>
<td></td>
</tr>
<tr>
<td>Applications</td>
<td>Polar and Coral Fleece blankets with low to medium pile</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ZIMMER AUSTRIA offers customer oriented developments and applications using inkjet and valve jet digital printing and digital functionalization technologies.

**ADVANTAGES**

- Maximum efficiency in short runs
- No screens necessary - no limitation in repeats
- Just in time delivery - lower cost for stock goods
- Design change “on the fly”
- Low paste cost due to standard commercially available dyestuff for high pile with CHROMOJET
- Brilliant shades with best fastness
- Adjustable penetration
- Integration into existing screen printing lines is also possible

... from the leading company for digital carpet & textile printing systems

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