MetalDecoJET – Metal decorating goes digital
This is the future of printing. The first industrial solution for digital metal decorating. Developed by the market leader in metal decorating, and tailored to the needs of metal decorators. MetalDecoJET.

The world is becoming increasingly digital. Shorter delivery times, reduced call off quantities and more product variations through mass customisation have reached the packaging sector and determine daily practices in the printing industry in ever increasing proportions.

It was against this background that the idea for the MetalDecoJET was born. The first industrial line solution for digital metal decorating. The concept of the MetalDecoJET is tailored directly to the needs of the metal decorating industry. The infeed, sheet guiding and stacker have been designed specifically for the processing of metal sheets, and thus guarantee both maximum precision and gentle handling. The combination of integrated surface pre-treatment and water-based inks ensures perfect print results on a variety of materials and coatings, and still permits unrestricted further processing, for example deep drawing. The water-based inks are formulated without toxic additives, are practically odourless, and comply with the demands of the “Nestlé Guidance Note on Packaging Inks”.

MetalDecoJET – metal decorating goes digital.

The advantages

- Job changeover without makeready times
- Printing without printing plates, without blankets and without ink changes
- Almost no waste
- Unique water-based ink technology
- Sample printing and production on the same machine
- Increased productivity of conventional printing presses by shifting small orders to MetalDecoJET

Benefits of water-based inks
- Absolutely flat, offset-like ink application
- High-gloss inks
- Inks are free of toxic chemicals and practically odourless
- Flexible ink film
- Nestlé Guidance Note compliance
- Compatibility with commonly used solvent based overvarnishes
- Trouble-free further processing, e.g. deep-drawing and sterilisation
MetalDecoJET Metal Decorating

Product information
- Newly developed feeder specifically for digital printing, with maximum precision and without deformation of the sheets
- Extremely precise sheet transport through the press
- Pre-treatment tailored to the metal decorating process, permitting digital printing on almost every combination of metal sheet and coating
- Thermal drying oven for gentle drying of the ink
- Air-cushioned stacker with dynamic sheet control
- Simple, clearly structured user interface
- Integrated job list, enabling job data to be loaded directly onto the MetalDecoJET from the RIP
- Various automated cleaning programs for the printing heads
- Digital filling-level indicators for consumables
- Automatic print production – press can be run by a single operator

MetalDecoJET: Technical data

<table>
<thead>
<tr>
<th>Material</th>
<th>Sheet format, maximum</th>
<th>1 000 x 1 200 mm</th>
<th>39.37 x 47.24 inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet format, minimum</td>
<td>510 x 710 mm</td>
<td>20.08 x 27.95 inch</td>
<td></td>
</tr>
<tr>
<td>Sheet thickness</td>
<td>0.13 – 0.50 mm</td>
<td>0.0051 – 0.0197 inch</td>
<td></td>
</tr>
<tr>
<td>Sheet material</td>
<td>Tinplate, aluminium</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Printing parameters</th>
<th>Max. production speed</th>
<th>Basic quality</th>
<th>High quality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print resolution</td>
<td>natv. 600 x 600 dpi</td>
<td>1 880 sheets¹</td>
<td>1 500 sheets¹</td>
</tr>
<tr>
<td>Printing mode</td>
<td>Multi-pass</td>
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<td></td>
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<tr>
<td>Colour mode</td>
<td>CMYK</td>
<td></td>
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</tr>
<tr>
<td>Ink system</td>
<td>Water-based</td>
<td></td>
<td></td>
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<tr>
<td>Drying process</td>
<td>Thermal drying</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

.offer added value to your customers!
- Flexible sample creation
- Lower minimum order quantities
- Extremely short delivery times
- Differentiation from competitors

Unleash your potential!

Open up new business fields!
- Web2Print
- Mass customisation
- Event marketing
- Production of special editions, promotions

Turn unprofitable to profitable orders
- Produce short jobs digital
- Increase of productivity of conventional lines
- Economical production of short runs or samples

¹ average sheet size: 1 000 x 830 mm

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