Your Line for Premium Quality Combination Offset
With our innovative technology, we offer you the competitive advantage. We continue to develop solutions that create value, optimise your production efficiency, and provide you with great opportunities in new markets.

Your Challenge is Our Commitment
The MO-4 is the advanced platform-based press with sleeve technology, delivering state-of-the-art offset combination printing.
The revolutionary MO-4, based on lightweight sleeve technology, delivers state-of-the-art offset combination printing.

You can configure your MO-4 according to your requirements, and future applications can be integrated seamlessly.

When it comes to short runs, this servo-driven press features a broad range of printing options and the flexibility to handle tomorrow’s printing and converting technologies. The MO-4 is loaded with the latest computer-aided technology available, including water balance control, ink key CIP3 control, and advanced register control.

The MO-4 integrates proven easy-load sleeves for both offset and flexo printing. Printing technologies can be changed quickly, and embellishment modules added easily, in any desired combination.

In short, with the MO-platform, you can configure your press to fit any job – and with reduced tooling and pre-press costs, it expands the market opportunities for labels and flexible packaging.
State-of-the-Art Combination Offset Features
FEATURES

State-of-the-Art Combination Offset

- State-of-the-art patented platform system
- Easy-load sleeve technology
- Designed for short and long runs
- Superior, consistent printing quality
- Multi-substrate capability
- Designed for future market requirements
FEATURES

**Designed for Maximum Flexibility**

- Unique open platform architecture
- The MO-platform handles offset, flexo, screen, gravure, hot foil, and cold foil
- Optimum levels of flexibility
- Proven Nilpeter aluminium lightweight sleeves
In Full Control

- Press Management Center (PMC) for optimum print management
- Central press control unit
- Integrated register control Point-to-Mark (P2M)
- Advanced, dot-to-dot (D2D) camera register system
- Advanced register control
- CIP3 automatic and remote ink key settings
Global Brand Owners' Choice

Benefits

Global
Brand
Owners’ Choice
Benefit from Innovation

- Takes advantage of all the benefits of combination printing
- Enables the quickest job change and fastest job setup in the industry
- Guarantees superior and consistent printing quality
- Provides unique values for product decorations
- Low offset tooling costs
QUICK-CHANGE DICE FOR CONSISTENT SUPPLY
VALUE-ADDING UNITS

Nilpeter Quick-Change Die

FEATURES
- New and innovative QC-Die unit
- Quick-lock release of flexible dies
- Preparation of die during production
- Integrated GAP-Master system
- Designed for all Nilpeter presses

BENEFITS
- Easy handling of tooling
- Magnetic die - extremely fast changeovers
- Zero downtime
- Less material waste
THE FP-4 IS CHANGING THE SCORE
The FP-4 - Flatbed Unit for Hot Foil and Embossing

**BENEFITS**

- Superior hot foil and embossing quality
- Fast setup time
- Minimum waste
- Lowest foil and tooling costs

**FEATURES**

- The flatbed technology for optimum foil and embossing performance
- Individual or simultaneous foiling and embossing capabilities
- The FP-4 is available as an embossing unit or as a combined foiling and embossing unit
- Integrated foil saving system
- Optimised design for short runs
THE G-4 IS ADDING EVEN MORE
The G-4 - Gravure Unit for Inline Integration

**VALUE-ADDING UNITS**

**BENEFITS**
- Value-adding gravure technology in combination printing
- Designed especially for printing metallic inks, opaque white, and special coatings
- Decorative and security options

**FEATURES**
- Easy-load inner-cassette system
- State-of-the-art inking technology
- Explosion-proof design for solvent inks
- Reversible ink-head for front or reverse side printing
- High capacity dryer for high speed converting
THE NILPETER SCREEN CASSETTE IS A VERY SAFE BET
NILSCREEN

BENEFITS
• No boundaries: All screen types apply
• No replacement of existing flat exposing unit, wash-up booth, or dryers
• Fast installation
• Fits any MO-Line or FA-Line printing unit
• Brilliant, high-grade pictorial effects
• High coverage and colour strength

FEATURES
• Universal screen system
• Easy-Load UV-screen cassette
• Prepared for cylindrical or flat screen material
• Repeat length 12” to 25”
• Print on substrates of any shape, thickness, and size
• Brilliant, high-grade pictorial effects
• High coverage and colour strength
THE CROSS-OVER INLINE IS SURE TO COMBINE
CROSS-OVER UNIT

BENEFITS

- Delamination of liner at laminating point
- Individual lateral register for laminating section and cross-over section
- Length register setting between webs
- Setup with two laminating sections and one cross-over is possible
- Use of multi-purpose winding towers for liner rewind

FEATURES

- Handles flexible substrates
- Easy setup
- Coupons with 4 pages in half web width
- Coupons with 4 pages in full web width (presses configured for dual web)
## Technical Specifications MO-4

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press speed</td>
<td>0-175 m/min. mechanical speed</td>
</tr>
<tr>
<td>Web</td>
<td></td>
</tr>
<tr>
<td>Unwind diameter</td>
<td>1.016 mm (40”), max. 350 kg</td>
</tr>
<tr>
<td>Rewind diameter</td>
<td>1.016 mm (40”), max. 350 kg</td>
</tr>
<tr>
<td>Waste rewind diameter</td>
<td>1.016 mm (40”), max. 40 kg</td>
</tr>
<tr>
<td>Rail-mounted unwind/rewind diameter</td>
<td>603,3 mm (23 ¾”), max. 40 kg</td>
</tr>
<tr>
<td>Printing</td>
<td></td>
</tr>
<tr>
<td>Web width, max.</td>
<td>420 mm (16 ½”)</td>
</tr>
<tr>
<td>Printing width, max.</td>
<td>410 mm (16”)</td>
</tr>
<tr>
<td>Offset, repeat length</td>
<td>469,9-635 mm (18 ½ -25”)</td>
</tr>
<tr>
<td>Flexo, repeat length</td>
<td>469,9-635 mm (18 ½ -25”)</td>
</tr>
<tr>
<td>Screen, repeat length</td>
<td>469,9-635 mm (18 ½ -25”)</td>
</tr>
<tr>
<td>Hot foil, repeat length</td>
<td>469,9-635 mm (18 ½ -25”)</td>
</tr>
<tr>
<td>Die-cutting, repeat length</td>
<td>469,9-635 mm (18 ½ -25”)</td>
</tr>
</tbody>
</table>

**Legend:** mm (feet/inches)
...your printing partner