Specifications

Technical data

<table>
<thead>
<tr>
<th>Printing method</th>
<th>Offset</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printing speed</td>
<td>1 - 10 m/min</td>
</tr>
<tr>
<td>Substrate Width</td>
<td>1,750 - 3,000 mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>20,000 ~ 30,000 mm</td>
</tr>
<tr>
<td>Printing area</td>
<td>1,750 ~ 6,000 mm</td>
</tr>
<tr>
<td>Repeat length</td>
<td>4,350 mm</td>
</tr>
</tbody>
</table>

Alignment system

- Sleeve type plate cylinder
- Chrome plated impression cylinder
- Lateral resister adjustment system (plate cylinder)
- Printing pressure control (plate-blanket) manual
- Printing pressure control (blanket-substrate) automatic
- Sectional control of plate cylinder (servo motor)
- Sectional control of blanket cylinder (servo motor)
- Sectional control of impression cylinder
- Quick clamp doctoring system for plate cylinder
- Komori long run support system

Conveyance system

- 3" winding mandrel (servo motor control)
- 3" rewinding mandrel (servo motor control)
- Web guide system @infeed (Center position control)
- Web guide system @outfeed (Center position control)
- Web connecting table
- Cleaning unit for plastic substrate @infeed
- Cleaning unit for plastic substrate @outfeed
- Precision auto tension control
- Chrome plated guide rollers
- Suction feed roller @infeed (servo motor control)
- Suction feed roller @outfeed (servo motor control)
- Antistatic devices

Other

- Komori sleeve technology
- Sleeve type chrome plated blanket cylinder
- Chrome plated impression cylinder
- Lateral resister adjustment system (plate cylinder)
- Printing pressure control (plate-blanket) manual
- Printing pressure control (blanket-substrate) automatic
- Sectional control of plate cylinder (servo motor)
- Sectional control of blanket cylinder (servo motor)
- Sectional control of impression cylinder
- Quick clamp doctoring system for plate cylinder
- Komori long run support system

Appearance

Note:

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Gravure offset printing enables the deposition of fine lines of L/S=30/30 µm or less that meet the narrow bezel requirements of projected capacitive touchpanels.

The combination of high-precision printing presses integrating Komori's latest technologies and new printing materials that offer optimum matching with devices enables extraordinarily high productivity through continuous roll-to-roll printing.

Komori Sleeve Technology
Plate cylinder changing, which previously took more than 30 minutes, can be completed in less than three minutes thanks to Komori sleeve technology.

Smart Alignment System
Implementing roll-to-roll production requires high-precision tension control of the film and high-precision alignment on the target. The Komori Smart Alignment System combines feedforward and feedback control for high-precision alignment without stoppages of the film.

Other Manufacturing Support Devices

Komori Long Run Support System
Realizing stable printing by gravure offset requires appropriate control of silicone blanket swelling with the correct amount of ink solvent. In Komori’s long run support system, swelling is controlled by irradiating the silicone blanket with IR light. IR radiation output facilitates the appropriate prediction and control of blanket swelling conditions.

Quick Clamp-type High-precision Doctoring System
Correct doctor conditions are an extremely important element in gravure offset printing. Komori's high-precision doctor allows precise setting of the doctor blade angle easily. The angle can be easily reset when changing the blade or cleaning by simply attaching/removing the doctor blade holder.

Center Position Control
The film is constantly controlled to run over the center of the roller by detecting both edges using ultrasonic detectors. Control based on a single edge of the film is also possible.

Blanket Changing Jig (option)
Cleaning units that remove foreign matter on the film before and after printing and a sticking aid tool that enables off-line blanket mounting are among the available options.