Print Promotion conferences 2013

Praepen Jangmongkol
Our companies have a global network

With production sites in Europe and North America and a global network of service hubs, our companies are positioned ideally to serve their international clients.
# Overview of our companies’ portfolio

<table>
<thead>
<tr>
<th>Selected products</th>
<th>E.C.H. Will</th>
<th>PEMCO</th>
<th>Kugler-Womako</th>
</tr>
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<tbody>
<tr>
<td>Product portfolio</td>
<td>Cut-size sheeters</td>
<td>Cut-size packaging lines</td>
<td>Double wire forming machines</td>
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<tr>
<td></td>
<td>Folio size sheeters</td>
<td>Folio size sheeters</td>
<td>Wire, plastic &amp; spiral binding machines</td>
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<tr>
<td></td>
<td><strong>Exercise book lines</strong></td>
<td>Folio size wrappers</td>
<td>Passport machines</td>
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<td></td>
<td>Aftermarket services</td>
<td>Aftermarket services</td>
<td>Aftermarket services</td>
</tr>
</tbody>
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- **Flexible production capacities (Germany / USA)**
- **Common sales and aftermarket organization and approach**
- **R&D cooperation (personnel exchange and joint teams)**
- **Joint procurement strategy**
- **Best practice sharing**
E.C.H. Will: Exercise Book Machine Alpha RF

Standard automatic exercise book machine Alpha RF
### Model Alpha RF

#### Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Working width</td>
<td>580 - 960 mm</td>
</tr>
<tr>
<td>Reel diameter</td>
<td>max. 1200 mm</td>
</tr>
<tr>
<td>Printing length</td>
<td>300 - 670 mm (in steps of 5 mm)</td>
</tr>
<tr>
<td>Cutting length</td>
<td>300 - 500 mm (in steps of 5 mm)</td>
</tr>
<tr>
<td>Layer thickness</td>
<td>5 - 50 sheets (max. 5 mm)</td>
</tr>
<tr>
<td>No. of stitching heads</td>
<td>standard: 8 &gt; optional: as required</td>
</tr>
<tr>
<td>No. of books per strip</td>
<td>5</td>
</tr>
<tr>
<td>Speed</td>
<td>max. 300 m/min.</td>
</tr>
<tr>
<td></td>
<td>max. 60 strokes/min.</td>
</tr>
<tr>
<td>Output 3-up production</td>
<td>max. 10,800 books/h</td>
</tr>
<tr>
<td>4-up production</td>
<td>max. 14,400 books/h</td>
</tr>
<tr>
<td>5-up production</td>
<td>max. 18,000 books/h</td>
</tr>
</tbody>
</table>
Product flow through Alpha RF

- Unwind station
- Ruling tower
- Cross cutter
- Counting and collecting unit
- Stitching unit
- Separating and trimming unit
- Folding unit
- Overlapping unit
- Cover feeder
- Square back pressing unit
- Book delivery
Exercise Book Machine Alpha RF

Special exercise book machine with two unwind stations + ruling towers

Options / Features:

- 2nd back stand + ruling tower
- Up to 3 color printing on each web side
- Printing systems (Rubber rollers, stereos, sleeves)
- Longitudinal micro perforation
- 2nd or 3rd feeder
- Corner Rounding Unit
- Book Turning Station
- Inline Packaging Unit
Inkers with inking and transfer rollers

**Standard:**
rubber inking roller and rubber transfer roller

**Optional:**
rubber inking roller and anilox transfer roller (chromium-plated)

**Advantages:**
easy handling, adjustment and cleaning

- Up to 3 colours printing each web side
- All common printing patterns possible
Printing

Roller inkers

- Inking roller
- Transfer roller
- Ruling cylinder
- Counterpressure cylinder
- Inktray
- Paper web
Rubber roller (rubber coated steel roller)

Advantages: long life, low cost

Rubber ruling cylinders are recommended where ruling pattern is rarely changed.

Stereos (rubber plates fixed with double-sided adhesive tape onto steel cylinders)

Advantages: low cost, printing plates widely available in many countries

Sleeves (rubber sleeve on steel core)

Advantages: long life, fast ruling pattern changeover
Kugler-Womako: ProBind

Automatic punching and binding machine

Spiral (wire or plastic) and/or double wire binding machine

- Three binding methods in one machine
ProBind – Hand Feeding Station

Feature

- Manual hand feeding of preprinted and collated books
Features:
- Section Dividing
- Punching
- Section Collector
Spiral Binding Station

Feature:
- Spiral binding station for nylon coated wire or steel wire
Feature:

- Spiral binding station for preformed plastic wire
ProBind – Plastic Spiral Station

Feature:

- Plastic spiral pre forming unit automatic connected to binding station
Double Wire Binding Station

Feature:
- Double wire binding station for preformed double wire
ProBind – Delivery Belt

Feature:

- Delivery station
Thank you very much for your attention!