Perfectly bound books with Melt-on-Demand technology
Precise, Efficient and Highest Quality

The flexible and cost-efficient bookbinding solution with Melt-on-Demand (MOD) technology for highest quality.

Challenges
New technologies, digitalization and new customer demands like Book-on-Demand with variable book dimensions challenge the industry. Customers are looking for flexible, safe and cost efficient solutions, while maintaining their quality. Using less adhesive, more safety in operation, less production interruptions, quick filling and easy conversion to a new order are the expectations of today. Thanks to our strong and long-standing partnership to the market leader Müller Martini, Robatech has acquired comprehensive and proven expertise to be prepared for current and future demands.

Our Solution
SpineCoat and SideBead are two powerful gluing systems for a complete bookbinding solution suitable for new machines as well as retrofits. Choose the right solution from small, medium to high performance for up to 16'000 books per hour. The spine gluing solution has been based on PUR adhesive and ensures clean gluing form the first to the last page and thus prevents these from tearing out. The side bead is done by a fine bead application of EVA hot melt adhesive on both sides of the book spine. The bead length can be set easily for any book length. The flexible system solutions guarantee a precise and consistent application from the first book to the last.

Your benefits
- Your benefits
- A precise application and high performance for top quality – perfectly bound books
- Flexible and economic solution even applicable for Book-on-Demand
- Up to 50% adhesive savings (retrofit spine gluing from EVA to PUR adhesive)
- Optimized energy consumption
- Melt-on-Demand (MOD) technology – less waste, less charring, consistent viscosity
- Increased productivity due to short start up, adhesive filling without production interruption, quick format changing and less maintenance
- Closed system – safe tank filling and easy to clean

SpineCoat 65 – Application Head
SideBead – Application Heads
SpineCoat 80RB
BOOKBINDING SOLUTIONS FOR PERFECT BINDER SOFT COVER

SMALL VOLUMES
(200 TO 2’000 BOOKS / H)
Application
• Very small editions
• Softcover and book block production
• Digital and offset printing
• Unbound book blocks fed manually

MEDIUM VOLUMES
(2’000 TO 6’000 BOOKS / H)
Application
• Small to medium editions
• Softcover and book block production
• Digital and offset printing
• Unbound books manually or automatically fed, gathering machine and conveying

HIGH VOLUMES
(2’000 TO 16’000 BOOKS / H)
Anwendung
• Softcover, rarely book block production
• Offset and rotogravure printing, rarely digital printing
• Gathering machine and conveying, unbound book blocks automatically fed (rarely manually)
## TECHNICAL DATA

### TECHNICAL DATA – MELTERS

<table>
<thead>
<tr>
<th></th>
<th>RobaPUR 2 MOD</th>
<th>RobaPUR 35 MOD</th>
<th>RobaPUR 40 MOD</th>
<th>Concept Diamond 5 / 8</th>
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<tbody>
<tr>
<td>Adhesive</td>
<td>PUR</td>
<td>EVA</td>
<td></td>
<td></td>
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<tr>
<td>Melting capacity</td>
<td>10 kg/h</td>
<td>35 kg/h</td>
<td>40 kg/h</td>
<td>5 / 8 kg/h</td>
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<tr>
<td>Delivery pump</td>
<td>Gear pump ZP 3 S</td>
<td>Piston pump KPC 12</td>
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<tr>
<td>Pump rate</td>
<td>50 kg/h</td>
<td>5 - 50 kg/h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delivery pressure</td>
<td>Max 100 bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>1 000 to 10 000 mPas</td>
<td>100 to 20 000 mPas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PUR hot melt inert gas flushing</td>
<td>Integrated membrane compressed air dryer</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Return system</td>
<td>–</td>
<td>–</td>
<td>integrated</td>
<td>–</td>
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</table>

*Reference value, melting capacity depends on adhesive used, ρ = 1 kg/dm³*

### TECHNICAL DATA – APPLICATION HEADS

<table>
<thead>
<tr>
<th></th>
<th>SpineCoat 65</th>
<th>SpineCoat 80</th>
<th>SideBead</th>
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<tbody>
<tr>
<td>Adhesive</td>
<td>PUR</td>
<td>PUR</td>
<td>EVA</td>
</tr>
<tr>
<td>Viscosity *</td>
<td>1 000 to 10 000 mPas</td>
<td>1 000 to 10 000 mPas</td>
<td>–</td>
</tr>
<tr>
<td>Book block length</td>
<td>100 to 500 mm</td>
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<td>–</td>
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<tr>
<td>Book block thickness</td>
<td>2 to 65 mm</td>
<td>2 to 80 mm</td>
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</tr>
<tr>
<td>Number of books</td>
<td>5 000 b/h</td>
<td>Max 16 000 b/h at 24° clamp distance (with return system)</td>
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<tr>
<td>Adhesive application thickness</td>
<td>0.3, 0.4 and 0.5 mm</td>
<td>–</td>
<td>–</td>
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*Process-dependent*