### Available Machine Types

<table>
<thead>
<tr>
<th>Machine Name</th>
<th>PAB</th>
<th>HotSpeed</th>
<th>Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Premium design for pinch</td>
<td>HotSpeed flexibility for high-precision drilling</td>
<td>Premium design for pinch</td>
</tr>
<tr>
<td>Working width</td>
<td>Up to 350 °C</td>
<td>Up to 1'600 mm</td>
<td>Up to 100 °C</td>
</tr>
<tr>
<td>Perforating roller</td>
<td>Core Ø 125–150 mm</td>
<td>Perforating segments according to customer’s specification</td>
<td>HotSpeed core Ø 200–500 mm</td>
</tr>
<tr>
<td>Heating system</td>
<td>External high-performance infrared heating with mid-infrared frequency radiators</td>
<td>Heating power: up to 5 kW</td>
<td>Up to 500 °C</td>
</tr>
<tr>
<td>Drive systems</td>
<td>2.2 kW, DC-motor, 50 Hz, 400 V</td>
<td>2.2 kW, DC-motor, 50 Hz, 400 V</td>
<td>1-2 kW, Ø over pin tips: 130–200 mm</td>
</tr>
<tr>
<td>Counter Roller</td>
<td>Cabinet with push buttons, temperature display and control display</td>
<td>Silicone on wheels with 4 m connection to cabinet</td>
<td>Cabinet for electronic components</td>
</tr>
<tr>
<td>Energy connection</td>
<td>15 VA</td>
<td>15 VA</td>
<td>15 VA</td>
</tr>
<tr>
<td>Exterior dimensions</td>
<td>Total length = working width + 522 mm (without drive +300 mm)</td>
<td>Total length = working width + 800 mm (drive 320–500 mm)</td>
<td>Total length = working width + 522 mm (without drive + 300 mm)</td>
</tr>
<tr>
<td>Additional options</td>
<td>Unit can be integrated in horizontal position</td>
<td>Optical electronics monitoring for printed film perforation</td>
<td>Optical electronics monitoring for printed film perforation</td>
</tr>
</tbody>
</table>

For all machine types we are able to adapt to customer's requirements to ensure an optimal end-result.

For all leaflets, measure sheets and inquiry forms can be downloaded at [www.burckhardt.com](http://www.burckhardt.com).

**Engineering, Design and Manufacture of Perforating Units**

According to your needs, we design and compose the tailor made solution for your application. We build machines with various options as well as units with new components to solve your specific problems.
Product Properties
Many products can get an added value through the treatment with pin rollers. We help you to develop new products and applications which may
- improve your process efficiency
- refine your products
- enlarge the application field of your products

Possible Applications of Pin Rollers
- Steam- and water permeability
- Ventilation and breathing activity
- Tear-off lines for packaging
- Sound and heat insulation materials
- Higher absorption capacity
- Filtration
- Adhesive power
- Controlled material transport
- Improved acoustics

Processed materials
Basically any material that may be deformed with hot or cold steel pins, mostly roll goods like:
- Plastic films
- Non wovens
- Laminated foils
- Rubber
- Paper
- Foamed plastics
- Metal foils and sheets up to 0.5 mm thickness
- Leather / artificial leather
- Textiles
- Compound materials

Technical possibilities
Burckhardt pinning and perforating tools are high precision parts, produced in numerous versions. For information about the technical feasibility of your specific request, please see our measure sheets or consult our contact person which you can find on our website.