Newton-I Series
Intermittent Motion Packaging Machine

NEWTON-I series

Highest Packaging Speeds
> All motions by servo technology
> Pillow bags up to 120 bpm
> 3 Kg & corner seal & air deflation & zip at 50 bpm
> Guaranteed output

Highest Packaging Flexibility
> Ten bag styles on one machine
> Multiple film types per machine

Highest Quality and Efficiency
> Design and manufacturing by UVA Packaging
> All parts and components from A-brands

World Service Program
> 24/7 technical support
> Optional service contract including maintenance

Contact Details
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Detailed Machine Specifications

**NEWTON-I series**

**Machine Design**
- Anti-corrosive version with solid stainless steel housing
- Stainless steel frame; height to application
- Sanitary, stainless steel, closed housing, low profile machine design
- Easy floor clean up due to unique design and concept

**Controls**
- Machine control through Siemens PLC or Rockwell
- Touch screen for production information and fault display
- 200 production program memory for quick changeovers
- Servo motors for cross seal unit and film draw off belts
- Slip compensation for film transport through film encoder
- Continuous motion power film reel unwind motor; controlled by dancer unit

**Efficiency Management**
- Efficiency Statistics monitor with “reason code” interface
- Drop time adjustment on screen
- Production counter with reset button at control panel
- Pressure sensor for low air pressure detection with machine stop
- Easy and quick change of sealing jaws and sealing system
- Program selectable cross jaw opening for maximum output with different bag sizes
- Optional Integrated Auto Splicer
- Vacuum film draw off system with dry vane vacuum pump
- Vacuum belts with “gentle” motion film draw off, acceleration / deceleration of belts
- 3 Extra inputs for synchronisation
- RTD temperature probes (PT 100)

**Ease of Use**
- Vertical seal bar for long seals
- Automatic vertical seal bar retraction by machine stop to avoid heat build up at tube
- Temperature controllers with precise, separate control for front, rear and long seal jaws
- Film reel for easy roll change (expansion shaft), self centering and positioning

**Application Options**
- Machine Heating-Pack for Deep-frozen environment
- Machine Wet-Pack for extra machine protection in wet environment
- Machine Dust-Pack for extra machine protection in dusty environment

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**Machine Specification**

<table>
<thead>
<tr>
<th>Technology</th>
<th>Intermittent Motion</th>
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<tbody>
<tr>
<td><strong>Bag width</strong></td>
<td>Newton 250: 50-250 mm, Newton 400: 100-400 mm</td>
</tr>
<tr>
<td><strong>Bag width, block bottom</strong></td>
<td>Newton 250: 40-170 mm, Newton 400: 60-270 mm</td>
</tr>
<tr>
<td><strong>Front to back, block bottom</strong></td>
<td>Newton 250: 30-100 mm, Newton 400: 50-140 mm</td>
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<tr>
<td><strong>Bag length</strong></td>
<td>Newton 250: 400 mm, Newton 400: 600 mm</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>10/12.5 kVA</td>
</tr>
<tr>
<td><strong>Air requirements</strong></td>
<td>6 bar</td>
</tr>
<tr>
<td><strong>Maximum film reel roll width</strong></td>
<td>Newton 250: 530 mm, Newton 400: 840 mm (XL 1040)</td>
</tr>
<tr>
<td><strong>Maximum film reel diameter (D)</strong></td>
<td>Newton 250: 450 mm or 700 mm, Newton 400: 76 mm or 156 mm</td>
</tr>
<tr>
<td><strong>Maximum machine output</strong></td>
<td>Newton 250: 120 bags/min.</td>
</tr>
<tr>
<td><strong>Dimensions (stand.) HxWxL in mm</strong></td>
<td>1745x1000x2390</td>
</tr>
</tbody>
</table>

**Bag Styles**

<table>
<thead>
<tr>
<th>Bag Styles</th>
<th>max. Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pillow</td>
<td>120 bpm</td>
</tr>
<tr>
<td>Block Bottom</td>
<td>80 bpm</td>
</tr>
<tr>
<td>Gusseted</td>
<td>80 bpm</td>
</tr>
<tr>
<td>Corner Crease</td>
<td>80 bpm</td>
</tr>
<tr>
<td>Corner Seal</td>
<td>80 bpm</td>
</tr>
<tr>
<td>Day-Style</td>
<td>80 bpm</td>
</tr>
<tr>
<td>Push Pop</td>
<td>70 bpm</td>
</tr>
<tr>
<td>Multi-bag</td>
<td>70 bpm</td>
</tr>
<tr>
<td>Cone bag</td>
<td>70 bpm</td>
</tr>
</tbody>
</table>

**Ease of Use**

- Easy opening
- Slider zipper
- P2C zipper
- Carry handle
- Euro log

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*Note: All specification on this leaflet can be subject to change without prior notification from VDL PMB-UVA bv.*