Film wrapping machine VRM 30

Overwrapping machine for phone cards and similar products

Applications:
- Phone cards, chip cards, CD card, and other flat products in the credit card format (85 x 55 mm)

Types of wrapping:
- Overwrapping of phone cards as individual cards or bag chains from an upstream VMC 100/105 machine.
- Phone cards with or without brochure
- Individual cards completely sealed or open on the narrow side (sleeve)

Function:
- Pulsed product feed to a semi-tubular film, 90° arrangement, relative to the film feed direction.
- In-line operation with VMC 100/105 or stand-alone operation with manual stack feed to the flighted belt conveyor
- Electrically heated sealing knife for sealing, closing and separating the packages, equipped with water-cooled holding down devices for permanently good sealing quality.
- Discharge of the overwrapped packages via an outfeed belt to a system for further processing or to storage
- Product monitoring during the entire process

Programmable Logic Control:
- Operator guidance and status display by 4-line LC display
- Editing and input keys for entering values into operator menus or for acknowledging messages
- Operating keys for START, STOP, RESET and EMERGENCY STOP
- Operating mode MANUAL, JOG, CYCLE and AUTO
- Display or modification of operating parameters
- Choice of 2 operator languages
- Status diagnosis and fault messages
- Fault message indication by way of signal lamp and plain text message
- Electric and electronic plug-type connections.
**Technical data:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>VRM 30</th>
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<tr>
<td><strong>Formats:</strong></td>
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<tr>
<td><strong>Product height:</strong></td>
<td>85 x 55 mm; special formats on request max. 30 mm, (special design up to 60 mm)</td>
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<td><strong>Cycle speed (depending on the product):</strong></td>
<td>Max. 30 products/minute</td>
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<td><strong>Wrapping film:</strong></td>
<td>Polyethylene, film thickness 15 to 40 µm, semi-tubular film on roll (with film folding triangle), / flat film on roll (film width depending on packet height)</td>
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<td><strong>Drive:</strong></td>
<td>Servo geared motor, infinitely variable</td>
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<td><strong>Control:</strong></td>
<td>PLC control SIEMENS S7 with control panel OP17</td>
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<td><strong>Supply voltage:</strong></td>
<td>3 x 400 V / 50 Hz, 4.5 kVA</td>
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<td><strong>Compressed-air connection:</strong></td>
<td>6 bar dry, oil-free air, connection ¼&quot;, air consumption about 200 l/min</td>
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<tr>
<td><strong>Dimensions (W x D x H) / Weight:</strong></td>
<td>3900 x 1750 x 1850 mm (standard configuration with film folding triangle and outfeed conveyor 1.500 mm)/ about 450 kg, depending on design</td>
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**Standard configuration layout:**

**Options:**

- **Tear-off perforation:**  
  - With a heating unit to stabilize the film fold (only in conjunction with a film folding triangle)  
  - With perforating knife for producing a tear-off perforation  
- **Outfeed conveyor:**  
  - Special length greater than 1500 mm on request  
- **Film folding device:**  
  - Film folding triangle for folding flat film  
- **In-line interface with VMC 100/105:**  
  - Flighted belt conveyor connected to the stacking unit of the upstream machine  
  - Start/Stop of the upstream machine from the VRM 30 control panel

**Special accessories:**

- **Scanner:**  
  - Integrated into outfeed conveyor, for scanning barcode prints
- **Labelling device:**  
  - Integrated into outfeed conveyor, several solutions on request

Subject to technical modifications