

# Film wrapping machine VMC 100

Wrapping machine for phone cards and products having identical formats



## Applications:

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

## Types of wrapping:

- Forgery-proof packaging of single cards or bag chains of up to 25 cards per pile
- With or without a brochure: Max. pack height 4 mm
- Individual cards completely sealed or open on the narrow side (sleeve)

## Function:

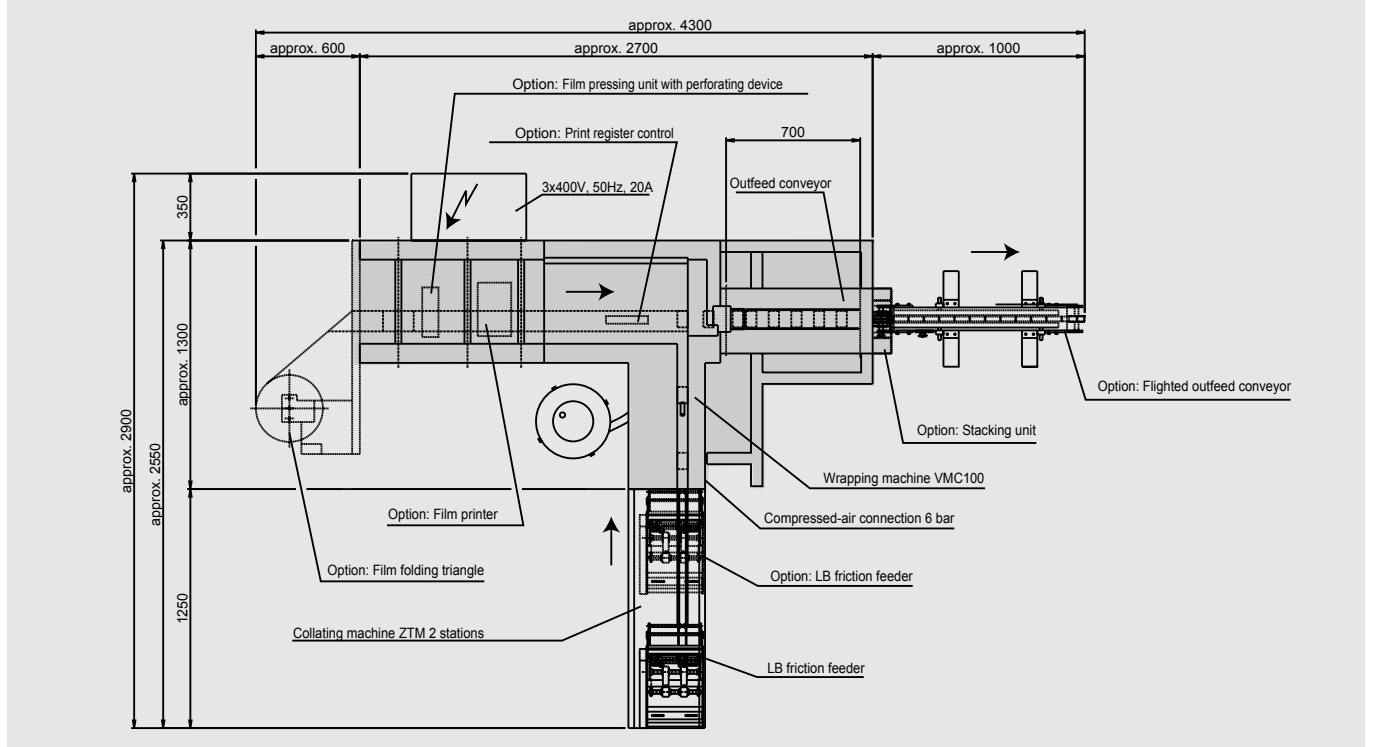
- Pulsed product feed to a semi-tubular film, 90° arrangement, relative to the film feed direction.
- Collating the cards and brochures on a collating machine with feeders
- electrically heated sealing knife for sealing and separating the packages, equipped with water cooled holding down devices for permanently good sealing quality.
- Piling of single cards or bag chains by means of a piling module followed by a flighted belt conveyor

## 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:	
	<b>VMC 100</b>
<b>Formats:</b> <b>Product height:</b>	85 x 55 mm max. 4 mm
<b>Cycle speed:</b>	Max. 120 products/minute
<b>Wrapping film:</b>	Polypropylene (BOPP/CPP), film thickness 20 to 100 µm, semi tubular film on a roll, 110 mm wide / flat film on a roll, 220 mm wide (film folding triangle)
<b>Drive:</b>	Geared motor, infinitely variable
<b>Control:</b>	PLC control SIEMENS S7 with control panel OP17
<b>Supply voltage:</b> <b>Power consumption:</b>	3 x 400 V / 50 Hz, ca. 3 kVA
<b>Compressed-air connection</b>	6 bar dry, oil-free air, connection ¼", air consumption max. 320 l/min.
<b>Dimensions (W x D x H) / Weight:</b>	4300 x 2900 x 1850 mm (standard configuration ZTM with 2 stations, film folding triangle and flighted belt conveyor)/ approx. 1150 kg, depending on the design

**Standard configuration layout:**



**Options:**

<b>Tear-off perforation:</b>	<ul style="list-style-type: none"> <li>With perforation knife for producing the tear-off perforation</li> </ul>	<b>Product discharge by flighted belt conveyor:</b>	<ul style="list-style-type: none"> <li>With pneumatic discharge unit</li> </ul>
<b>Print register control:</b>	<ul style="list-style-type: none"> <li>For wrapping of pre-printed film (max. 100 cycles/min.)</li> </ul>	<b>Banding machine:</b>	<ul style="list-style-type: none"> <li>Overwrapping of card stacks with film band</li> </ul>
<b>Outfeed conveyor:</b>	<ul style="list-style-type: none"> <li>Special length greater than 750 mm on request</li> </ul>	<b>Overwrapping:</b>	<ul style="list-style-type: none"> <li>VRM 30 wrapping machine up to a pack height of 30 mm for overwrapping card stacks</li> </ul>
<b>Stacking unit:</b>	<ul style="list-style-type: none"> <li>With pneumatic buffer rake for stacking 5 to 25 cards and flighted belt conveyor</li> </ul>	<b>Special accessories:</b>	
<b>Film folding device:</b>	<ul style="list-style-type: none"> <li>Film folding triangle for folding flat film</li> <li>With pressing unit to stabilize the film fold</li> </ul>	<b>Scanner / camera:</b>	<ul style="list-style-type: none"> <li>For detecting barcodes and serial numbers</li> </ul>
<b>Collating machine:</b>	<ul style="list-style-type: none"> <li>ZTM with 2 to 7 stations on request</li> </ul>	<b>Labelling device:</b>	<ul style="list-style-type: none"> <li>Several solutions on request</li> </ul>
<b>Feeder on ZTM:</b>	<ul style="list-style-type: none"> <li>In-line, with tilting device (longitudinal feed) or</li> <li>transversely to ZTM, with docking station (lateral feed),</li> </ul>	<b>Film printing:</b>	<ul style="list-style-type: none"> <li>Printer for printing on film</li> </ul>
<b>Perforation sealing knife:</b>	<ul style="list-style-type: none"> <li>For bag chains, for generating a perforated tearing line between single packages.</li> </ul>	<b>Special solutions:</b>	<ul style="list-style-type: none"> <li>Upon request</li> </ul>

*Subject to technical modifications*