**Applications:**

- SOHO products, such as paper sheets, cardboard, laser and inkjet labels, special papers, paper assortments, brochures, greetings cards, and the like

**Types of wrapping:**

- Wrapping of individual products or assortments
- With or without cover sheet / envelope:  
Max. pack height 30 mm
- Packages completely sealed, open on the narrow side (sleeve), with header and eurohole or resealable flap

**Function:**

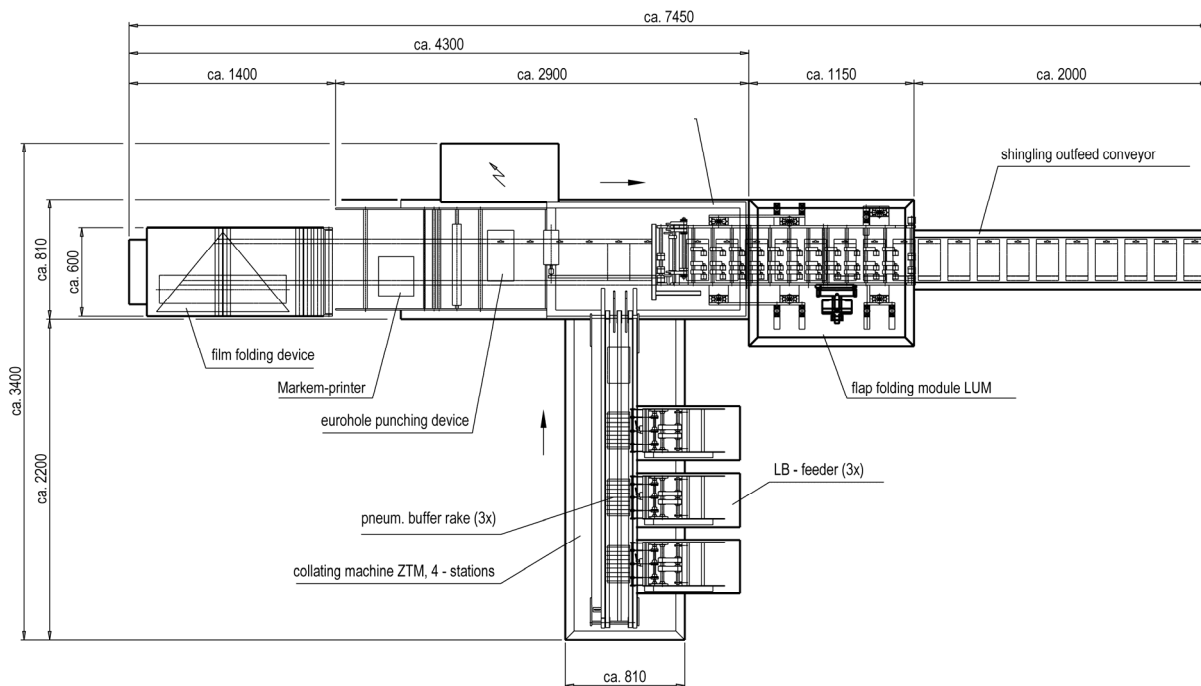
- Pulsed product feed to a semi-tubular film, 90° arrangement relative to the film feed direction.
- Collating the products / assortments on a collating machine equipped with feeders
- Electrically heated sealing knife for heat-sealing the packages, equipped with water-cooled holding-down devices for permanently good sealing quality.

**Programmable Logical 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.

# VM 90 Technical Data (Standard configuration)

VM 90	
• Format range:	105 x 148 mm to 250 x 353 mm
• Package height:	Max. 30 mm
• Performance (depending on product):	Up to 80 products/minute
• Film material:	Polypropylene (BOPP/CPP), 20 to 35 µm folded film on roll, flat film on roll, (optionally film folding module)
• Drive:	Infinitely adjustable geared servo motor
• Control:	PLC control SIEMENS S7 with control panel OP17
• Supply voltage / power consumption:	3 x 400 V / 50 Hz / approx. 6.4 kVA
• Pressure / air supply:	6 bar dry, oil-free air, connection ¼ "/ air consumption approx. 470 l/min
• Dimensions (W x D x H):	4,300 x 2,900 x 1,850 mm (configuration see layout)
• Weight:	Approx. 780 kg



### Options:

Tear-off perforation:	With perforating knife for the tear-off perforation
Print register control:	For wrapping of pre-printed film
Film folding module:	Film folding module for folding flat film, optionally with header module for incorporating and sealing a header strip
Collating machine:	ZTM of 2 to 12 stations on request
Feeder on ZTM:	In-line (longitudinal feed) or transversely to direction of feed (lateral feed), on ZTM or with docking station
Groove embossing unit:	For applying a folding groove
Folding module:	For folding products previously provided with groove (in particular when equipped with groove-embossing unit)
Flap closing module:	For processing packages containing adhesive flaps
Adhesive tape applicator:	For applying an adhesive strip for re-sealable packages (in combination with adhesive flaps)
Eurohole punching unit:	For punching a eurohole (in combination with a header strip)
Air punching unit:	For punching an air hole into the film
Product discharge:	By flighted belt conveyor / By shingling conveyor
Banding machine:	Wrapping of card stacks with film band
Overwrapping:	Wrapping machine VRM 25 for overwrapping product stacks

### Special accessories:

Scanner / camera:	For detecting barcodes and serial numbers
Labelling device:	Different solutions on request
Printing on film :	Printer for printing on film
Special solutions:	Upon request

# VM 90 Technical Data (Standard configuration)

**KÖRA** → ← **PACKMAT**

KÖRA-PACKMAT  
Maschinenbau GmbH  
Gewerbestr. 4  
78667 Villingendorf / Germany  
Phone.: +49 741 9283 0  
Fax: +49 741 9283 30  
sales@koera-packmat.de  
www.koera-packmat.de

KORA-PACKMAT ASIA Pte Ltd  
3 International Business Park  
#04-32 Nordic European Centre  
Singapore 609927 / Singapore  
Phone: +65 6890 6672  
Fax: +65 6890 6674  
sales@kora-packmatasia.com.sg  
www.kora-packmatasia.com.sg