Film wrapping machine VMC 105 CD2

Wrapping machine for optical media

Function sample of blank CD/DVD in simple sleeve:

- Feeding of the CD from the spindle onto the transversal transport with air-cushioned guidance
- Synchronized product infeed from the transversal transport into a semi-tubular film, 90° arrangement, relative to the film feed direction.
- Sleeve finishing by means of electrically heated sealing knife for cut-welding the packages, equipped with water cooled downholders for permanently good welding quality.

Machine control:

- Industrial PC with movable operator panel
- Operator guidance via graphical user interface
- Editing and input of values with touchscreen in dialog windows
- Operating keys for START, STOP, RESET and EMERGENCY STOP
- Operating mode JOG MODE, SINGLE CYCLE and AUTO
- Display or modification of operating parameters
- Choice of 2 operator languages (Standard German/English)
- Status diagnosis and fault messages
- Fault message display by way of signal lamp and error message
- Electric and electronic plug-type connections.

Field of application:

a. **Sleeve manufacturing + sleeving of:**
   - blank CDs/DVDs, CD cards, booklets, etc.

b. **Overwrapping of:**
   - paper or cardboard sleeves, software kits, etc.

c. **High-quality shrink overwrapping:**
   - Jewel cases, digipacks, DVD boxes, etc.

Possible sleeve types and packaging types:

- Sleeve open on top
- Sleeve with resealable adhesive flap
- Simple sleeve with tear-open perforation on one or both sides
- Simple sleeve with perforated, resealable safety flap
- Sleeve with storage spine and perforated tear-open flap
- Multiple product packing (e.g., CD/DVD + brochures)
- Shrink overwrapping

- Feeding of the CD from the spindle onto the transversal transport with air-cushioned guidance
- Synchronized product infeed from the transversal transport into a semi-tubular film, 90° arrangement, relative to the film feed direction.
- Sleeve finishing by means of electrically heated sealing knife for cut-welding the packages, equipped with water cooled downholders for permanently good welding quality.
Technical data:

VMC 105 CD2

Formats (depending on product height):
- Min. 85 x 55 mm, Max. 240 x 170 mm
- Min. 1 mm, max. 30 mm

Cycle speed (depending on product and film):
- Up to 100 products/min.

Wrapping film:
- Polypropylene (BOPP, CPP/PET-PP): film thickness 25 to 120 µm, shrink film: film thickness 15 µm, Tyvek material in semi-tubular form from the role, max. 280 mm wide / flat film from the role, max. 560 mm wide (prerequisite: opt. film folding module)

Drive:
- Infinitely variable servo geared motor

Supply voltage:
- 3 x 400 V / 50 Hz, approx. 4 kVA

Compressed air supply:
- 6 bar, dry, oil-free air, connection 1/4", air consumption 320 l/min. (according to machine configuration)

Dimensions (W x D x H) / Weight:
- 3,950 x 3,700 x 1,850 mm (configuration example) / approx. 1,150 kg (according to machine configuration)

Options:

- Print register control:
  - For use of pre-printed film
- Tear-open perforation:
  - Various versions
- Film folding triangle:
  - For folding of film
  - Thermal film edge forming unit
  - With web edge control and sealing unit
  - For sealing of the storage spine
- Film folding module for sleeve storage spines
- Film feeding, punching and printing module:
  - For punching the safety flap from flat film
  - For printing the film with thermal printer
  - For cutting of a tear-off perforation
- Perforating knife:
  - Product discharge
- Shingling outfeed conveyor:
  - Product discharge with or without shingling stream separation
- Overwrapping:
  - Overwrapping machine VRM 25 / VRM 30 for over-wrapping of product stacks
  - With 2 up to 6 stations
  - Different versions, depending on the product
  - Feeding of CDs/DVDs by means of vacuum grippers directly from the spindle

Special accessories:

- Image processing:
  - On request
- Labelling:
  - On request
- Euro hole Punch:
  - Integrated in film guide (FFM/-H)
  - After the outfeed conveyor
- Shrink tunnel:
  - For shrink overwrapping of products
- Thermal printer:
  - For printing on the film

Subject to technical modifications