



MERZ SYSTEM
Verpackungsmaschinen

VERTICAL FORMING-, FILLING- AND SEALING MACHINE FOR THREE- AND FOUR-SIDE-SEALED SACHETS

MP4

The small machine with the high flexibility



RANGE OF PRODUCTS



LIQUIDS

0.5 – 180 ML

e.g. shampoo, cosmetics samples, bath extracts, ice lollies, oil, coffee cream, vaccines,...



POWDER & GRANULES

0.2 – 250 ML

e.g. pharmaceutical products, salts, sugar, spices, pudding, soups, milk powder, cappuccino, instant coffee, coffee creamer, baker's yeast, tobacco,...



CREAMS

0.5 – 180 ML

e.g. skin cream samples, mustard, mayonnaise, ketchup, grease, gel,...



SMALL PIECE GOODS

SMALL SIZES

e.g. sweets, nuts, saccharine tablets, ball point pen cartridges, test stripes, medical suture,...



TISSUE-PACKAGING

ALL SIZES

e.g. swabs, refreshing tissues, glass cleaning tissues, spectacles cleaning tissues, double bags, cotton tissues,...

AREAS OF APPLICATION



MERZ SYSTEM
Verpackungsmaschinen

Phone: +49 6404 9172-0

Mail: mail@merz-system.de

Website: www.merz-system.de

MERZ Verpackungsmaschinen GmbH

Carl-Benz-Ring 42

35423 Lich, Germany



Since 1971
Made in Germany

DESCRIPTION OF OPERATION

The MP4 is a vertically operating, fully automatic forming-, filling- and sealing machine for the production of three- and four-side sealed sachets.

The machine processes flexible, laminated foils from one reel or alternatively from two reels. In a sequence of single operations, the film is drawn off from the reel, cut lengthwise in the middle, then the two halves are guided face to face by a deviation triangle and sealed in U-form.

The ready-made empty sachet is filled then, conveyed vertically by one sachet length, closed at the top and cut off.

At the same time, a photocell control assures the exact positioning of the print.

The MP4 is a universal basic machine for the bag production. In combination with different product supply systems and dosing units, a wide range of products can be packed.

TECHNICAL DETAILS

- constructed in the building block system
- compact small size design
- PLC – control Siemens S7
- robust long-life construction
- balcony construction according to GMP
- product saving due to short drop distance
- sealing station 90° moveable to both sides
- quick format change
- easy to operate
- very low noise-level
- seal pressure monitoring and sealing time adjustable via HMI
- easy to maintain – low maintenance
- powerful, high output

TECHNICAL DATA

Sachet width standard	up to 240 mm
Sachet length	up to 200 mm
Filling volume per sachet	0.2 – 250 ml
Capacity cycles/min	0 – 100/min
Output sachets/min	up to 100 per lane
Number of lanes	1 – 6
Diameter of film reel	max. 500 mm
Width of film reel	max. 520 mm
Diameter of film reel core	76 (152) mm
Sealing pressure	up to 15000 N
Air connection	6 bar
Wattage	approx. 5.5 KW
Voltage supply standard	400V/3/N/PE/50Hz
Protection class	IP 54
Weight	approx. 1300 kg
Colour standard	stainless steel - alu
Packaging material	all current, heat-sealable composite foils

OPTIONS

- special electric voltage/transformer
- punching device for tear notch or tearing groove
- coding cold embossing in sealing seam
- coding hot embossing, Thermo, Ink-Jet
- contour punching, European standard perforation
- automatic foil edge control
- chain packages
- gas flushing device
- dust absorption system
- bag collecting- and bag transfer-devices
- subsequent packaging semi- or fully automatic
- product supply systems
- pharmaceutical construction
- different types of feeding and dosing systems which can be changed easily are available for each range of use
- complete packaging lines

