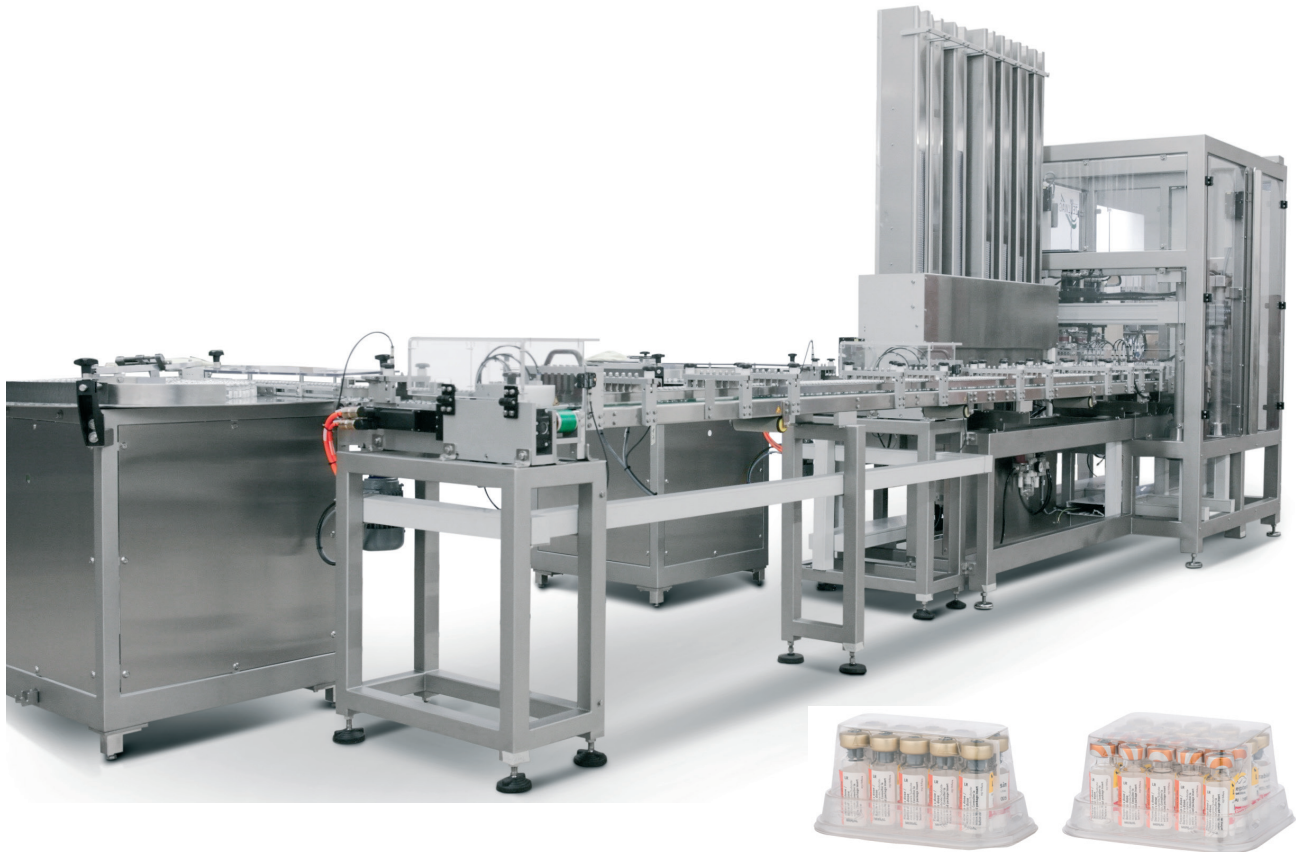


# SPM 200 Tray loader / Vial packaging machine



## Footprint

4800 x 1200 mm (according to configuration)

## Output

Package of 10: 200 units/min

Package of 20: 400 units/min

Package of 50: 1000 units/min etc.

## Technical Data

GMP-Design

3 x 400 VAC, N, PE, 32 AT

> 6 bar air

1800 kg

PLC / HMI Siemens

Servo drives Bosch Rexroth / Linmot

## Format range

2 ml vials, other vial sizes, bottles or ampoules optional

Different container types can be mixed to one package  
(e.g. lyo- and serum vials)

Different types of preformed trays and lids

## Configurations

Connection to one or two upstream labelers or vial buffers

Servomotoric splitter from 1 to several feeding rows

Internal vial buffer (linear / multiple rows)

Grouping station

Pick and place unit (1 or 2)

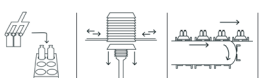
Tray denester for various tray and lid sizes

Package insert applicator

Camera control with reject of non-conform products

Lid applicator

Labeler



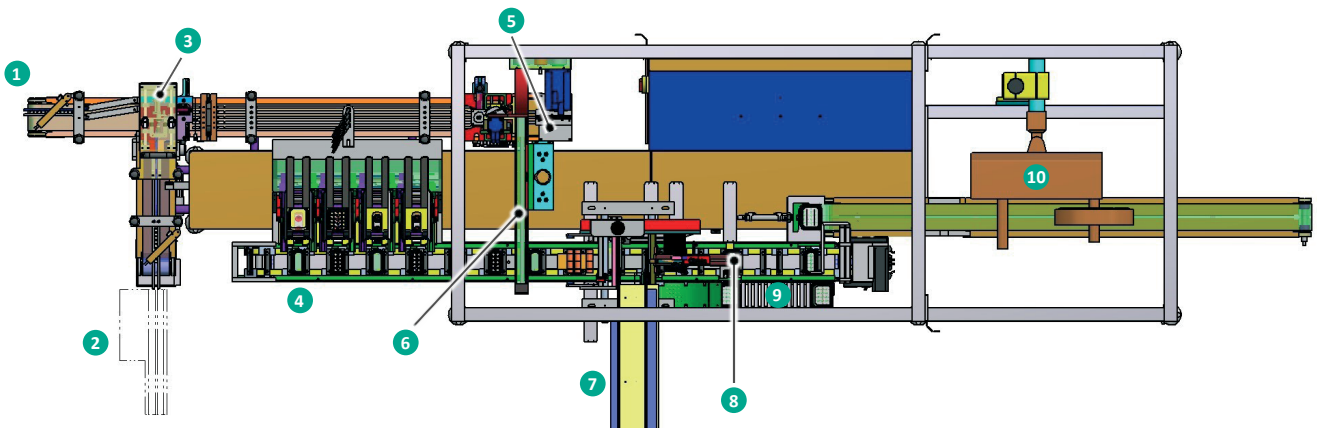
## Features

- Fully automatic vial packaging in a monobloc design
- Modular design
- Guided vials throughout the whole process
- Vial buffer integrated into the machine
- Servomotoric splitter to split vials from 1 to x rows
- IPC with camera
- Magazine for different sizes of trays and lids
- Multifunctional pick and place head with mechanical gripper

## Customer benefit

- Compact and space saving design
- Addition of modules after installation possible
- No fallen vials that block the system
- No scratched or damaged vials
- High overall line efficiency due to intermediate buffer
- Various package sizes with short change over time on one system
- Combined packages of different products in same tray possible
- Full process control and automated sort out of non-conform packages

## PROCESS (CONFIGURATION EXAMPLE)



- |   |   |    |  |
|---|---|----|--|
| 1 | Upstream connection (labeler 1 / buffer 1)            | 6  | Pick und place head                                |
| 2 | Upstream connection (labeler 2 / buffer 2)            | 7  | Package insert applicator                          |
| 3 | Servomotoric splitter to split vials from 1 to x rows | 8  | In process camera control with non conformity exit |
| 4 | Tray and optional lid denester                        | 9  | Lid applicator                                     |
| 5 | Grouping station for pick                             | 10 | Labeler and exit conveyor                          |