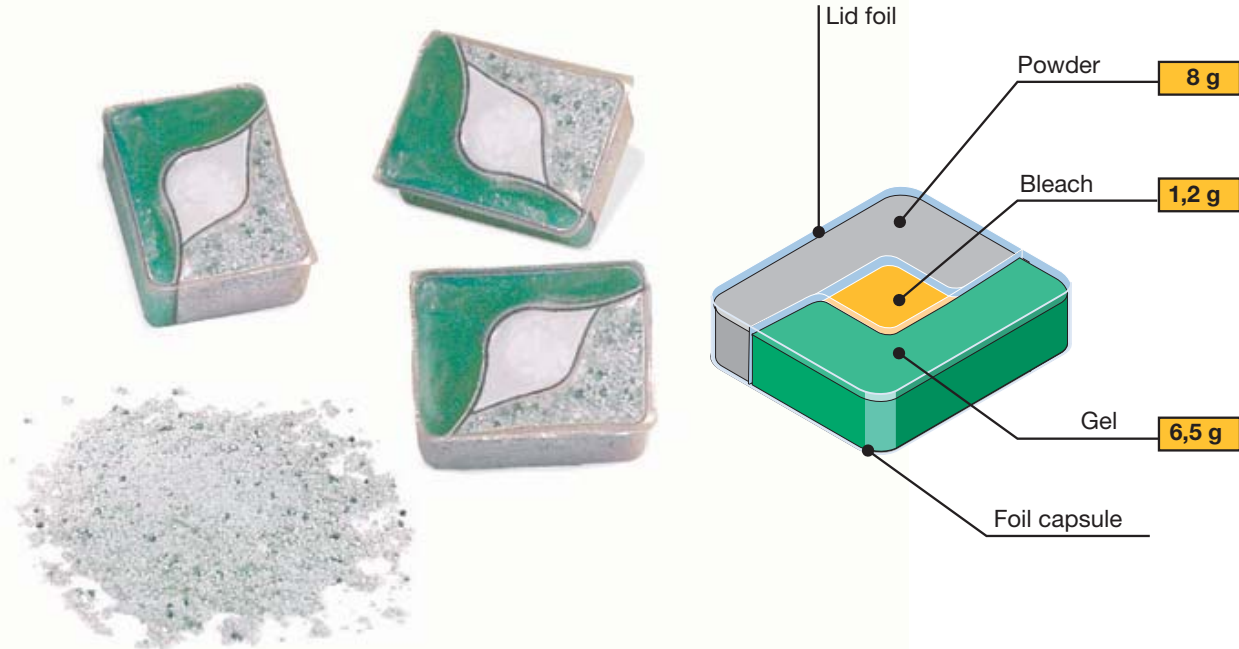


# Production of dishwasher tabs

The clean solution for the filling of liquid to pulverous substances.



## The production of dishwasher tabs on the basis of PVOH films:

PVOH films are self-dissolving upon contact with water. Manufacturers of cleaning agents use this chemical process to package portioned quantities ready for use with this film. Brand development is promoted by individual pack shapes. The product has a positive effect, because although it is visible, it is usable without skin contact.

## This special machine is designed for very high outputs of dishwasher tabs – with processes such as:

- Filling with fill media
- Sealing the formed packages
- Piercing the lid web
- Die-cutting the contour

## This technology can be used for the filling of a wide range of media:

- Liquids
- Paste-type media
- Powders/granulates

A special requirements for this is the clean filling of media with consistencies that are difficult to handle.

## Product-compliant processing is guaranteed by the:

- excellent accessibility due to the linear machine structure
- temperature control with short reaction times – due to which a narrow temperature range results with the sealing
- sealing station with plate-type sealing

## The flexible principle – the free-flowing tray conveyance:

The free-flowing size tray offers another principle. This is suitable in particular for prefabricated film capsules, which are subdivided into several chambers. The tray approaches the individual dosing stations and is sealed with a lidding foil. The free-flowing tray concept is ideal for a production solution that comprises frequent product or size changes and with a small quantity.



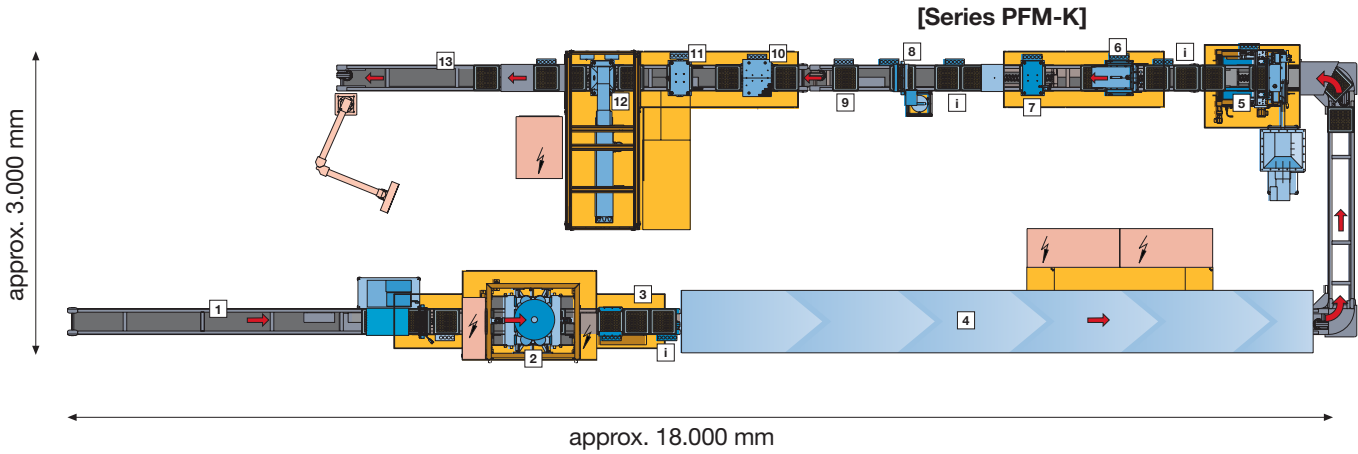
Filling the tabs with powder using the dosator



Gel filling of tabs



Hot sealing of the lidding foil onto the molded film pack



**Technical data**

**Free-flowing tray transfer  
intermittent operation mode**

**Output:** 384 products / minute  
8 trays / minute

**Production sequence**

- |                          |                                 |
|--------------------------|---------------------------------|
| <b>1</b> Infeed of trays | <b>9</b> Humidifying            |
| <b>2</b> Gel dosing      | <b>10</b> Applying lid foil     |
| <b>3</b> Leveling of gel | <b>11</b> Lid foil sealing      |
| <b>4</b> Cooling section | <b>12</b> Piercing of lid foil  |
| <b>5</b> Bleach dosing   | <b>13</b> Laser contour cutting |
| <b>6</b> Powder dosing   | <b>14</b> Discharge of trays    |
| <b>7</b> Leveling powder |                                 |
| <b>i</b> Inspection      |                                 |