

## Optical check for powder dosing into blisters

### Quality control for inhalation products with multiple functions.

The highest requirements are made of the control system for the filling of inhalation powders in blister cavities. The very small amount of powder, mainly white powder in a low-contrast blister, has to be acquired by means of high resolution color camera systems. In this process the open blister strip is in a closed (protected) system.

In addition the sealing surface of the blister must be 100 % residue free to ensure optimal sealing with the lidding foil.

The range of highly developed camera systems covers far more than the optical detection of a dosed amount of powder:

- Presence control of the amount of powder in the blister cavity.
- Verification of a particle-free seal surface of the blister mold film.
- Mass detection on the basis of the projected surface of the filled blister cavity.



Quality control during ongoing production via an inline vision check

### Functions of the optical camera control system:

- 1 Presence check
- 2 Mass control
- 3 Checking the sealed surface for powder residue

