

The proven system for blister control

# POLYPHEM wt





## POLYPHEM wt

The exceptional camera system for blister fill inspection on blister machines convinces with a wide variety of control options. The goal is to recognise very different product materials and their errors and to consequently eject them from the production process. Coloured tablets, capsules of different consistency and content (solid, loose or liquid), smooth and dull surfaces, syringes, and applicators: as diverse as the inspection requirements might be, POLYPHEM wt has been mastering them for many years in thousands of applications.

### Testing a variety of products

- Tablets
- Capsules and dragees
- Syringes and vials
- Applicators

### Recognising diverse errors

- Colour, form, size
- Contamination, damage, foreign object
- Faulty positioning, presence, overfilling
- Height (3D)
- Shape (3D)
- Low contrast (3D) between content and packaging

POLYPHEM wt is intended for testing of a variety of products as well as for recognising diverse errors.

## POLYPHEM wt Applications – Standard



### PRESENCE

Missing content is unacceptable and gets identified immediately.



### COLOUR

Solid-coloured products that have a wrong colour are recognised. For multi-coloured products, the system recognises the respective colour or the mixture.



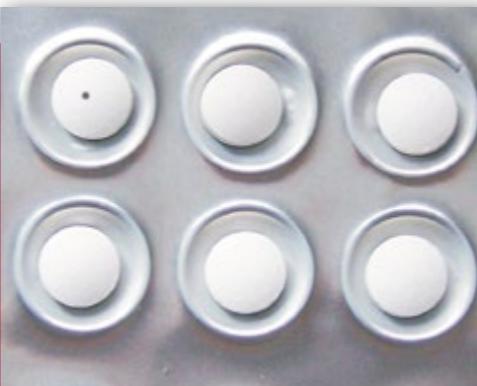
### OVERFILLING

Double content can lead to overmedication and has to be taken out of the process.



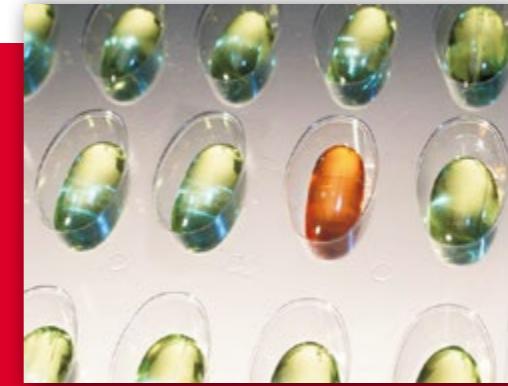
### ALIGNMENT

This option can be used for products for which appearance is a sign of quality.



### CONTAMINATION

Even the slightest contamination gets detected by POLYPHEM wt.



### FOREIGN OBJECTS / COLOUR MIX-UP

Undesired mixing with foreign objects is unacceptable for qualitative and product safety reasons.



### DAMAGE / FAULTY POSITIONING

After damaged products are positively identified, they get ejected. Objects that are outside of a blister also get identified and removed before the sealing process begins.



### MEASUREMENTS

The measurement detects if e.g. capsules have been compressed, which might lead to damaging or incorrect amounts of filling.



### SHAPE CONTROL

The shape control capability positively identifies deformed products.

## POLYPHEM wt Applications – 3D



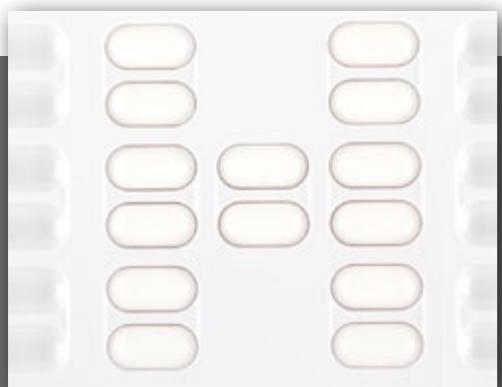
### HEIGHT ANALYSIS

3D POLYPHEM reliably recognises double tablets that are stacked on top of each other. Under normal circumstances, this error would not be visible; it is only detectable by analysing the height. Even the smallest of defects are identified.



### HEIGHT ANALYSIS

Tablets which are horizontally broken on the bottom side appear undamaged from the top, but due to their lesser height the error gets detected.



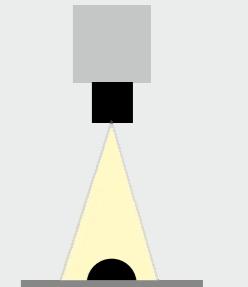
### LOW-CONTRAST SURROUNDING

Missing content, damage and colour mistakes are certain to be identified, even in difficult, low-contrast surroundings.

## POLYPHEM wt Modules

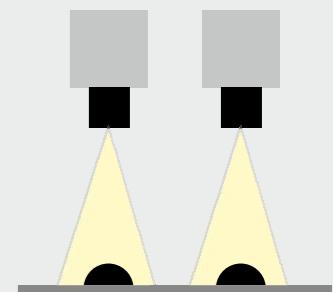
### POLYPHEM WT PRO

Colour evaluation module with extensive shape and colour evaluation for blister fill inspection.



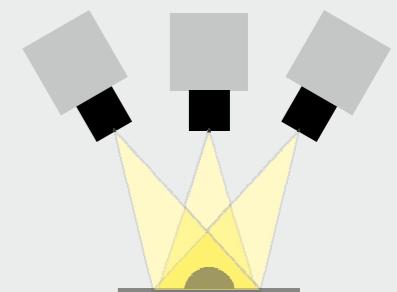
### POLYPHEM WT PRO CAM+

The control is carried out by two cameras within a lighting unit. The user sees a picture that is composed of the images taken by both cameras. Advantage: bigger field and less distortion along the sides.



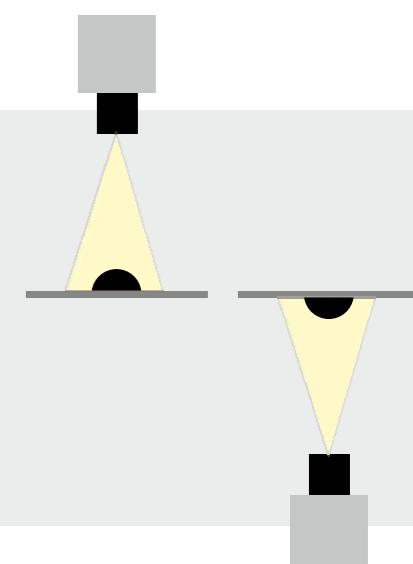
### POLYPHEM WT PRO LIGHT+

The intelligent light control, in conjunction with a suitable lighting module, allows for an automatic adjustment of critical areas / products, leading to an improved testing result.



### POLYPHEM WT 3D

The 3D module accomplishes height and colour evaluations with its stereoscopic technology. The height evaluation recognises deviations from the norm. The 3D evaluation can also be performed in low-contrast surroundings and integrates the proven colour evaluation.



### POLYPHEM WT PRO TWIN+

Blister control with two systems at different positions that test independently before and after the sealing process. Both systems are controlled by a common administration. POLYPHEM wt Pro TWIN+ can be combined with 3D.

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## Why Laetus

- 45 years of experience in optical quality control ensures reliable solutions
- Track & Trace expert supporting small, medium and global companies
- Flexibility in integrating solutions due to a modular approach
- 24/7 hotline
- Worldwide technical service
- Project management from initial consultation to final implementation
- Quality management through validation
- Training academy with a multitude of individual training courses

