

The proven system for blister control

# POLYPHEM wt





## Reaching new dimensions

### POLYPHEM wt

The exceptional POLYPHEM wt camera system for blister inspection checks a wide variety of inspection criteria with a single shot system to help ensure quality and product safety.

Installed on blister lines, the POLYPHEM wt inspects and detects defects within the blisters and consistently ejects faulty ones from the production process. Due to its stereoscopic technology, the POLYPHEM wt can detect missing or damaged content, as well as color defects even in difficult, low-contrast applications.

The POLYPHEM wt supports all common machine types including all available blister feeding systems and multiple fillers in a laser-free environment to help provide a clean and safe environment at the production site. By using format templates for automatic teach-in, the POLYPHEM wt helps to reduce changeover times and keep production lines running.

#### Testing a variety of products

- Tablets
- Capsules and dragees
- Applicators

#### Recognizing diverse errors

- Color, form, size
- Contamination, damage, foreign object
- Faulty positioning, presence, overfilling
- Shape
- Height (3D)
- Low contrast between content und packaging (3D)
- Missing layers of multilayer tablets (3D)



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

## POLYPHEM wt Applications – Standard



### PRESENCE

Missing content is unacceptable and gets identified immediately.



### COLOR

Solid-colored products that have a wrong color are recognised. For multi-colored products, the system recognises the respective color 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 where uniform appearance is a sign of quality.



### CONTAMINATION

Even the slightest contamination gets detected by POLYPHEM wt.



### FOREIGN OBJECTS / COLOR MIX-UP

Undesired mixing with foreign objects is not acceptable in terms of quality and product safety.



### DAMAGE / FAULTY POSITIONING

Damaged products, even if outside a blister, can be clearly identified and removed before the sealing process.



### 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 recognizes 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 color mistakes are certain to be identified, even in difficult, low-contrast surroundings.

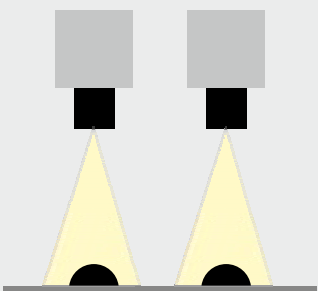
# POLYPHEM wt – Modules

## POLYPHEM WT PRO

Color evaluation module with extensive shape and colour evaluation for blister fill inspection (2D).

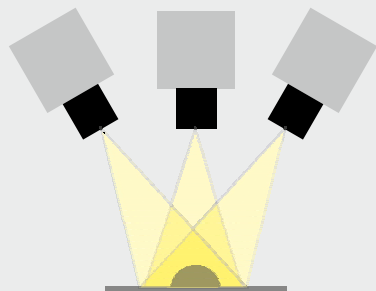
## POLYPHEM WT PRO CAM+

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 (2D).



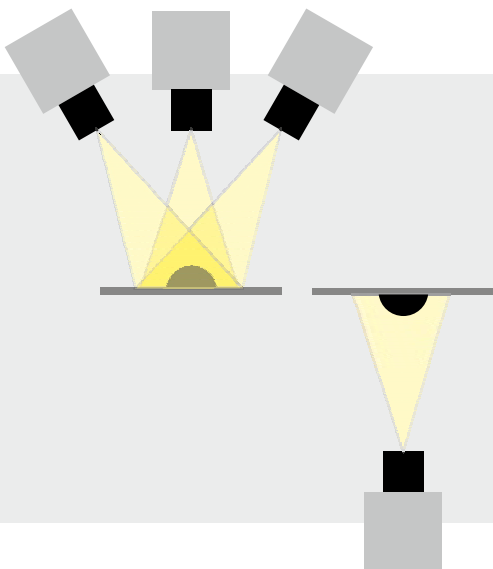
## POLYPHEM WT 3D

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



## POLYPHEM WT PRO TWIN+ 3D

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.



Laetus GmbH  
Sandwiesenstraße 27  
64665 Alsbach-Hähnlein  
Germany  
T (+49) 6257-5009-0  
F (+49) 6257-3119  
contact@laetus.com  
www.laetus.com



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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

