



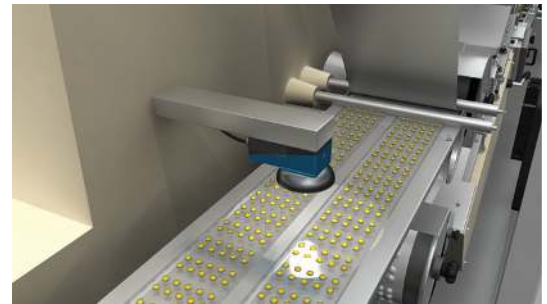
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Industry:	Beverage, Consumer Goods, Pharma & Cosmetics
Industry-Segment:	Primary - Pharma & Cosmetics, Secondary - Beverage, Secondary - Consumer Goods
Task:	Detecting
Product group:	2D vision
With customer reference:	0

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## Short description

Missing pills in a blister pack is an indication of bad quality, and is critical and crucial for pharmaceutical products. Incorrect number of pills or incorrect size of pills may lead to danger to consumer health, and will in every case lead to consumer complaints.



## Task

A camera based solution has to verify if the blister pack is correctly filled with pills in a correct, fast and qualitative way. It will inspect all position where there should be pills, and give a signal when something is missing or faulty. When not ok the system should set a hardware output so the blister machine can remove it later. The solutions should be easy to install, use and maintain, even by not vision specialists. It should communicate in an easy way with the PLC. Changing between different blister packs should be possible without re-programming the system.

## Implementation

The Inspector is an intelligent vision solution in an easy-to-use sensor package.

No matter what blister pack that comes down the line, the Inspector is up to the challenge.

Without programming, but parameterization of predefined tasks, the Inspector is made easy. You don't need to be a vision expert to setup the system.

Solving vision applications is all about getting top-quality images - even with tough targets, such as a detect pills through a glossy blister pack. The Inspector's unique dome concept and variants with interchangeable lenses will optimize the optical needs of your application. The Inspector family offers a pre-defined package for production control including image viewing, recording and off-line support. Using the powerful inspection tools all blister pack pills will be verified on presence and correctness fast and reliable.

Additional, the Ethernet interface makes integration possible in the machine controls. The sensors' robust design and IP 67 metal housing makes it ideal for tough environments present in industrial filling environments.

Need for a stand-alone solution? The Inspector vision sensor in combination with the Inspector Viewer is providing you all functionality needed. Advanced monitoring images, trending, parameter change and multiple Inspector sensor management is possible with the Viewer.

## Customer Benefits

- Avoid unplanned production stops by verifying all blisters after filling
- Avoid consumer complaints and danger to consumer health
- Save installation time by easy and intuitive parameterization of the vision sensor
- Reduce costs by staying on top of production problems through trending and analysis
- Keep track of user events in production by using the Inspector viewer