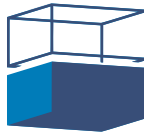




# INLINE QUALITY CONTROL

WITH THE

# N1 MULTISPECTRAL 3D SCANNER



scanrg

The N1 multispectral 3D scanner provides the unique combination of **3D, color and data processing** in one device.

The 3D shape is measured by laser triangulation method. It guarantees highest precision of acquired 3D data and ease of integration into production lines.

The multispectral unit measures target reflectance in RGB and NIR range.

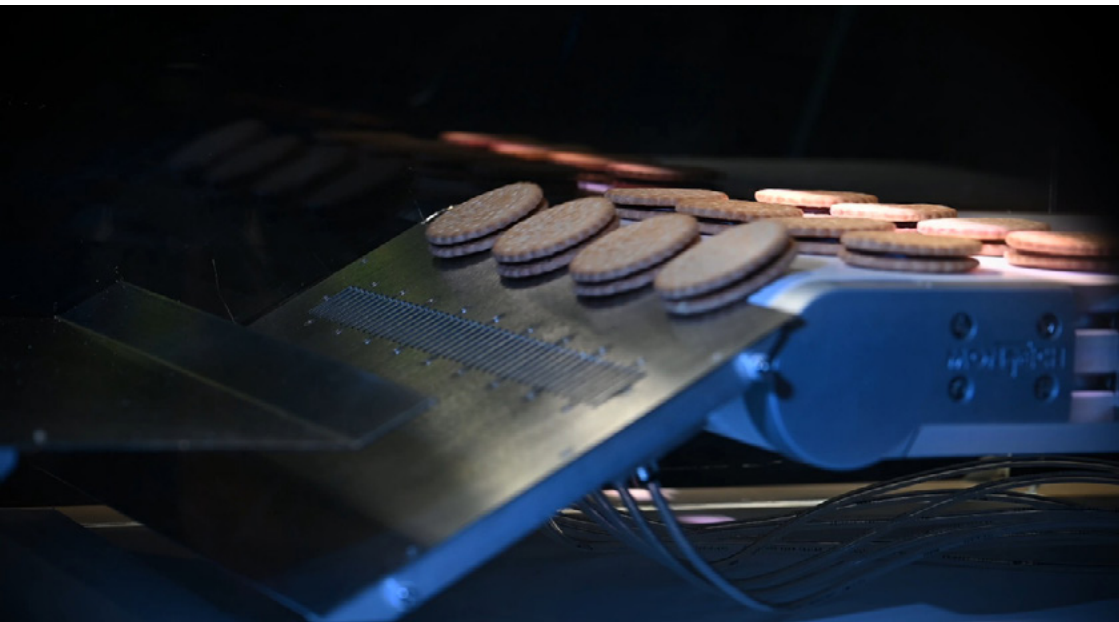
nir730 = 244.000			
X	17.855	R	149
Y	157.430	G	81
Z	297.648	B	22



## **On-board processing**

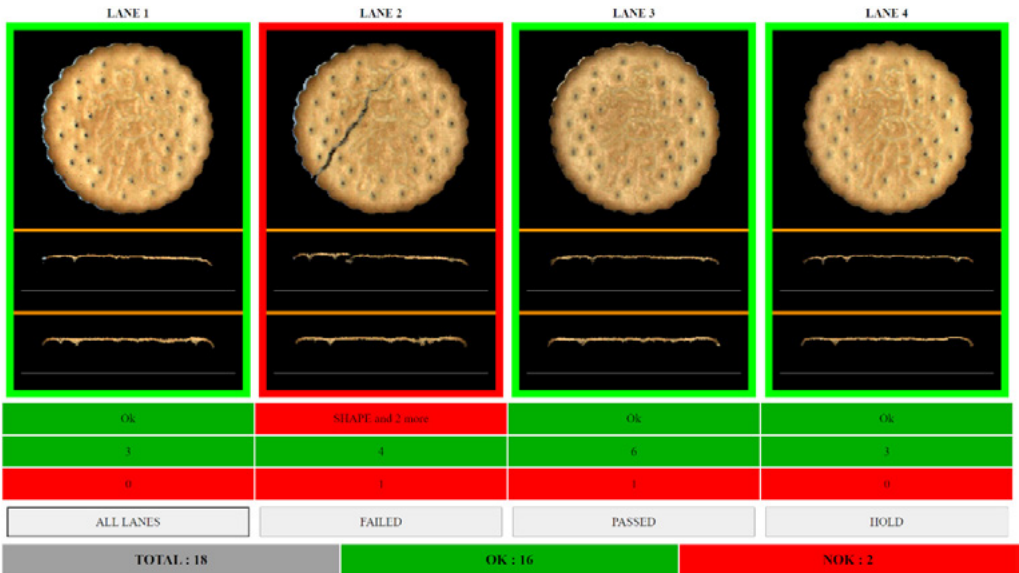
The N1 scanner captures 3D shape and color of cookies, bread or croissants on the conveyor.

Its integrated machine learning module calculates height, volume, diameter, color, glossiness and other product parameters and sorts the defective product out.



## Operator interface

The process is visualized by the web application running on the scanner. It displays the product images (top/front/side views), reason for rejection, and basic statistics per product lane.





## **Powerful**

Complete product characterization in 3D (height, area, volume, and more) and color (RGB and NIR)

## **Robust and precise**

Stable colors by active LED illumination, sunlight resistant, precise 3D data by laser triangulation method

## **Cost-efficient**

Integration of 3D, color and data processing in one device reduces system complexity and costs

# Contact Details

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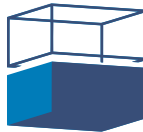
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