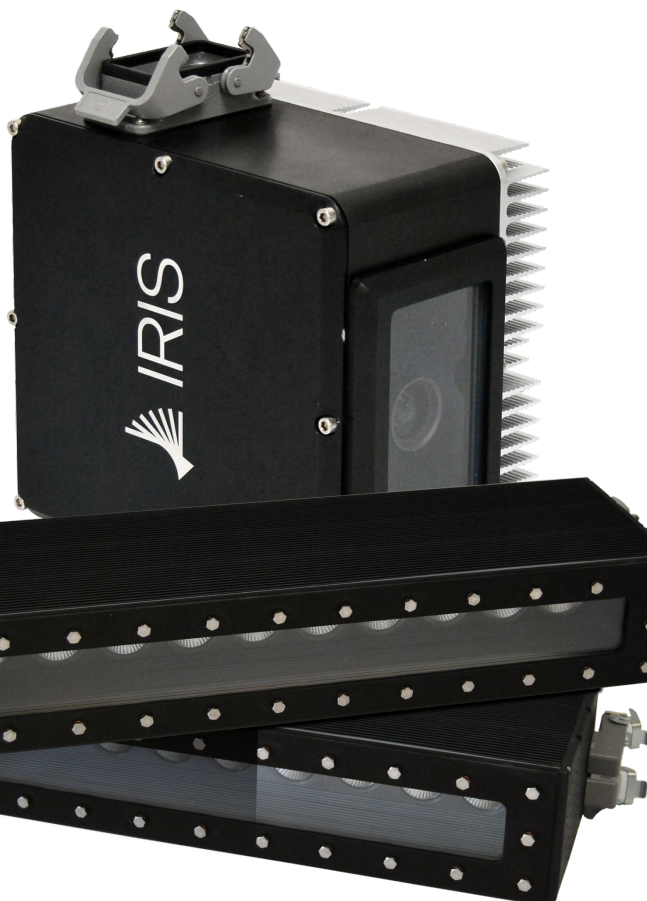


# INDUSTRIAL (HSI) ANALYSER



## DESCRIPTION:

Industrial in-line NIR HyperSpectral Imaging (HSI) analyzer that can be integrated into any type of production line for real-time monitoring of product quality when the spatial information (shape and position) is relevant, extending artificial vision to chemical sight.



## MAIN CHARACTERISTICS:

- Non-invasive installation thanks to a flexible and customisable design, adapting the technology to the production line.
- Continuous monitoring of Quality Attributes ensuring the measurement of all product units and guaranteeing their standardisation.
- Fast and efficient detection of foreign bodies on surfaces. Capable of detecting materials such as plastics, cardboard or cartilage.
- In-line monitoring of product distribution to ensure homogeneity and the desired amount of ingredients in each product unit.
- Anomaly Detection: Early warning in the event of unexpected changes in the product's composition..

## FOOD

- Fat, protein and moisture content monitoring in minced and trimmed meat
- Detection of bones in chicken breast slices
- Fraud detection
- Moisture and protein content in powders such as flour or cocoa
- Fat content in pastry products
- Detection of worms in peach pieces
- Detection of Surface-borne foreign bodies in pizza
- Topping uniformity control in pizzas packaging lines



## PHARMA

- Solid forms content homogeneity
- API content uniformity



## OTHER INDUSTRIES

- Packaging quality control: Point-wise film thickness
- Packaging quality control: Point-wise film micro texture
- Detection of rubber pieces in wood chips (chipboards manufacturing)



## TECHNICAL SPECIFICATIONS

ACQUISITION MODE	Push-broom
SPECTRAL RANGE	VIS-NIR
SPECTRAL CHANNELS	256
NUMBER OF PIXELS/LINE	320
ACQUISITION SPEED	>300 lines/s
ACQUISITION GEOMETRY	Diffuse reflectance
INGRESS PROTECTION	IP65
POWER SUPPLY	230VAC
LIGHT SOURCE LIFETIME	1 year
USER INTERFACE	External PC
OPERATION MODE	Slave/Continuous
SOFTWARE	VISUM®
CONNECTIVITY	PLC, SCADA, ERP

VISUM HSI is delivered as a turnkey solution totally integrated in the line.



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