

CONTROL IN-LINE YOUR PRODUCT EXCELLENCE TO PROTECT YOUR BRAND AND AVOID RECALLS.



Description:

In-line Hyperspectral Imaging (HSI) Analyser for spatial quality monitoring, based on Near Infrared (NIR) technology. A high-precision chemical imaging system to monitor in real-time product quality with spatial information.



Main characteristics:

- Ideal to visualize defects which are invisible for the human eye and for artificial vision cameras
- For quantification of chemical or physical parameters with spatial information
- Can be combined easily with alarm and sorting systems
- Designed for industrial environment



Technical specifications:

Sensor	InGaAs
Spectral range	900 – 1700 nm
Resolution	3.2 nm / pixel
Pixels in complete frame	320 x 256
Bit depth	14 bit
Speed	100 - 300 frames per second
Power consumption	< 9 W
Power supply	24 V/ 10 A DC
Cooling system	Thermoelectric cooling system
Dimensions	400 x 600 x 400 mm
Casing material	Stainless steel 304 L / 316 L; Ra finishes depending on application
Weight	10 kg
Lens mount	Standard C-mount
Temperature	-5°C - +40°C
Data output	TCP/IP, ModBus, 485
System requirements for data exportation	PC (included) uP i5, 500 Mb RAM, Operating System: 64 bits, Win7
User interface	Intuitive user interface for results visualization
Compliance	FDA, GMP, CE and ATEX (optional)

Applications:

FOOD

Detection of foreign bodies and other non-desired bodies:



Insects



Glass



Plastics / Teflon



Chewing Gum



Cigarette Butts



Stones / Sands



Nutshells



Fruit Pits

PHARMA

- Control of API and Excipient Distribution in tablets
- Detection of Production Errors



Pills



Tablets



Patches

CHEMICAL

- Control of Polymer Composition and Surface Properties for Product Homogeneity
- Sorting and Recycling



Ceramic



Tire



Mining



Cristal



Chemical



Plastic

