

IRIS

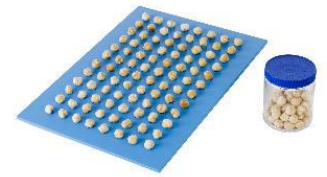
Smart Vision



Combining **high resolution camera imaging** and **controlled lighting conditions in a closed cabinet**, IRIS achieves reliable **visual inspection** of your products.

IRIS Smart Vision is dedicated to quality control applications involving color or shape measurements.

Also compatible with Alphasoftware Advanced Statistics, the **IRIS Smart Vision Pro** version provides a more comprehensive visual analysis for R&D applications.



Color & Dimension in one run...

- L*a*b* values
- Circularity and size

...Assess product as seen

- Powerful analysis capabilities
 - Complex or heterogeneous colored surfaces
 - Full picture or selected area
 - Overall product or individual objects
- Fast and easy quality monitoring
 - Define your own quality criteria
 - Check products quality based on these criteria, with global and individual results

Applications

Visual inspection and product batch validation

- Validation of suppliers' raw materials quality
- Quality control of production

Process monitoring based on product color

- Check products quality at the end of the manufacturing process to avoid any drift



Time-saving
on Quality Control



Representative sampling
reliable results



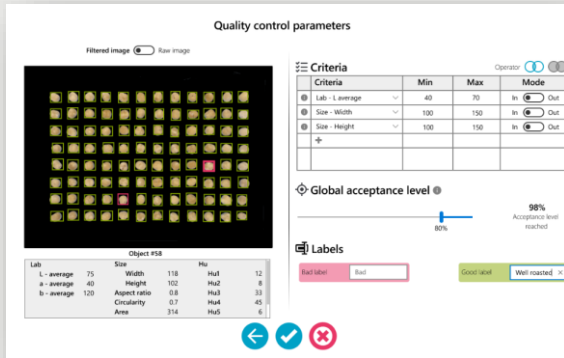
Improved process
stability



IRIS Smart Vision – Fast & Easy Quality Control

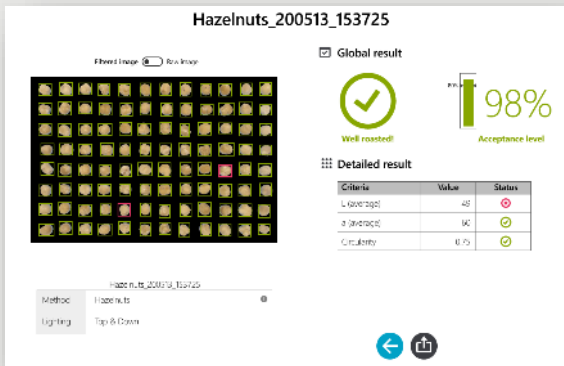
IRIS Smart Vision is designed for **visual quality control upon sample collection, especially for batches of small objects.**

It can be delivered with a customized tray (color, size and position of holes, etc) to fit your products.



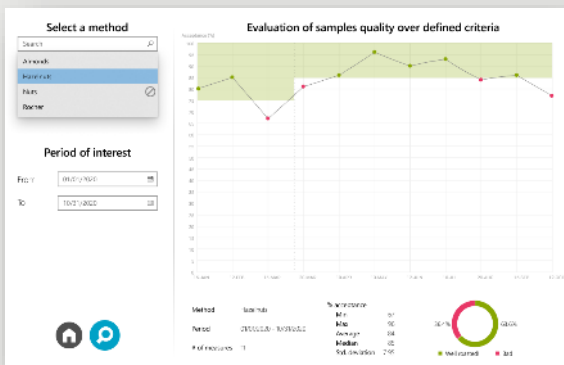
Define Your Quality Standards

- Select the parameters of interest (L*a*b* or dimensions)
- Set-up the acceptable min / max values of these parameters (individually or combined)
- Enter the global acceptance level within a batch



Measure Your Products

- Take a picture of your sample
- Launch image processing using your defined method
- Get fast and easy-to-read results display
 - Overall and individual Pass / Fail results
 - Detailed measurements per object



Monitor Long-term Quality

- Display analysis results over a selected period of time
- Trace quality parameters over time
- Export quality control reports

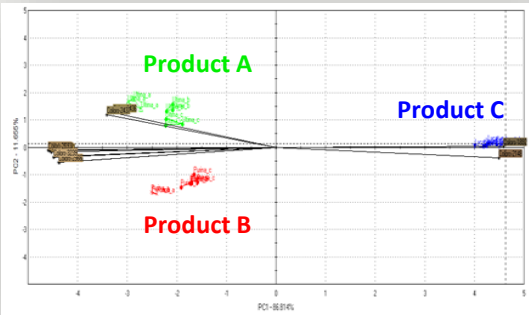


IRIS Smart Vision Pro – In-depth visual analysis

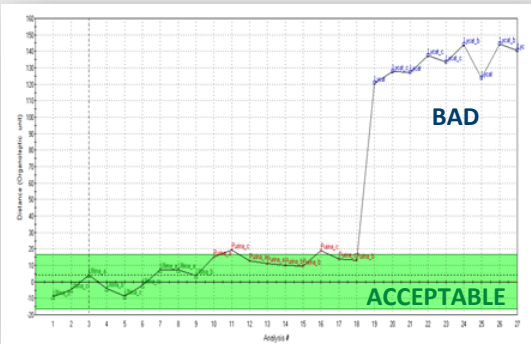
Combined with Alphasoft Advanced Statistics, **IRIS Smart Vision Pro** is an advanced all-in-one system, ideal for color analysis within R&D departments and industrial laboratories.



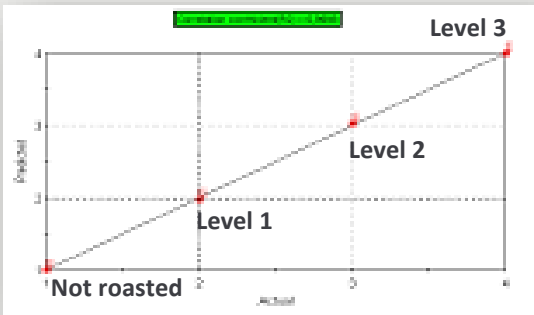
Benchmarking - Shelf life studies Product Development & Optimization



Mapping of 3 Competitive Products Based on Visual Aspect



Visual Quality Control Card of Chocolate At Different Times



Quantitative Model for Assessing Nut Roasting Level

Compare & Explore Differences

- Investigate what makes the differences between various products in terms of visual aspect
- Achieve detailed products mappings: overall comparison, color distribution, color clustering, size distribution

Follow Aspect Over Ageing

- Characterize the change of appearance over time to optimize shelf life
- Follow visual quality over ageing and determine best-before date

Correlate To Human Perception

- Link human perception and consumer preference to visual aspect characteristics to improve products
- Predict visual properties as human panel would do

