

# Product brief

# **EVK HELIOS**

# Laboratory Station

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# EVK HELIOS Laboratory Station

## Hyperspectral Imaging System for Classification of Material based on Chemical Composition

- Allows development of material classification models for sorting and monitoring applications
- Suitable for laboratory use and at-line inspection
- Available in CLASS or CORE version

**Description** The EVK HELIOS Laboratory Station offers a possibility to create classification models for industrial sorting and monitoring applications. The system consists of EVK hyperspectral imaging camera, illumination and motorized linear stage that imitates a conveyor belt function.

The EVK HELIOS Laboratory Station CLASS uses the EVK HELIOS EQ32 hyperspectral camera and provides classified data output. The EVK HELIOS Laboratory Station CORE includes the EVK HELIOS EC32 hyperspectral camera and provides spectral data, allowing customers to use their specific data analysis tools.

- Key features**
- Motorized linear stage with adjustable speed
  - Dual in-line illumination
  - Flexible adjustment of the camera position in relation to the working surface
  - Compact design
  - Multivariate data analysis of hyperspectral imaging spectra (CLASS version)\*

- Client benefits**
- All in one hyperspectral imaging system for laboratory use
  - Adjustable working width resolution
  - Fast system set up and data acquisition\*

- Typical applications**
- Proof of concepts
  - Feasibility studies
  - Material Analysis
  - Material Classifications

\* In combination with EVK SQALAR software

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