

# EVK Laboratory Station for EVK HELIOS hyperspectral imaging systems

- Fast deployment for applications with Hyperspectral Imaging in laboratory environments
- Enables for fast development of material classification models in sorting and monitoring applications
- Allows for multivariate data analysis using EVK HELIOS hyperspectral imaging systems



## Description

The EVK Laboratory Station is designed for the analysis of various materials using EVKs HELIOS hyperspectral imaging systems. The laboratory station offers the opportunity to create sorting and monitoring models that can be used in a variety of industrial applications. To analyze the chemical composition of a material in real time the laboratory station is equipped with a motorized linear stage that is imitating a conveyor belt function.

## Key Features

- Multivariate data analysis of hyperspectral imaging spectra
- Illumination and power supply adapted for hyperspectral imaging applications
- Motorized linear stage with adjustable speed
- Adjustable local resolution

## Typical Applications

- Proof of concepts
- Feasibility studies
- Material Analysis
- Material Classifications
- Foreign body detection

## Customer Benefits:

- All in one system from HSI-camera, illumination and transportation case to software for the control of the recording process of the camera
- Transportable, rugged construction design
- Easy on-site deployment

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## Technical Data

Suitable for	EVK HELIOS hyperspectral imaging systems for more information please visit <a href="http://www.evk.biz">www.evk.biz</a>
Dimensions (L x W x H)	630 (730) x 430 x 890 ( 1390) mm
Weight	Approx. 36 kg incl. EVK HELIOS
General power requirements for included devices	100 – 240 V 50 – 60 Hz
Operating-distance EVK HELIOS camera to linear stage (depending on fore lense)	268 to 868 mm
Linear stage: Working area (W x L)	270 x 290 mm
Linear stage: Moving distance	Max. 250 mm
Linear stage: Speed	Adjustable from 0.08 to 0.4 m/ sec
Illumination	4 x 300 W Halogen
Power supply for the illumination unit (included)	Adjustable from 0 to +230V DC $\pm$ 15%
Power supply for EVK HELIOS camera & motor of linear stage (included)	+24V DC $\pm$ 15%

## Order Information

Product	Order Number
Laboratory Station	AGX-14053