

# Product brief

# **EVK SQALAR**

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# EVK SQALAR

## Software Tool for Determination of Chemical Concentrations in Materials

- Qualitative and quantitative analysis
- For sorting, inspection and monitoring applications
- In-line, at-line and in the laboratory

- Description** EVK SQALAR software enables monitoring and measuring of user-defined properties of individual objects or bulk material streams and helps to increase the quality, consistency and safety of products at all stages of industrial processing.
- Acting as a multifunctional quantitative analysis software tool for multivariate measurements of chemical properties it is suitable for sorting, inspection and monitoring applications, in-line, at-line and also in laboratories. EVK SQALAR in combination with EVK HELIOS Hyperspectral imaging systems enables a non-invasive, interruption-free, measurement of chemical concentrations of all objects in a product stream.
- Key features**
- Qualitative and quantitative chemical analysis in-line, at-line and in the lab
  - In-situ results of the full product stream
  - Intuitive instructive modelling environment
  - Instant validation of generated model
  - Statistical figures of merit
  - High precision measurement of substance concentration
  - Simple deployment of models to hardware
- Client benefits**
- Increase quality, consistency and safety of products
  - Full control of user defined properties of the entire product stream
  - Product safety in fields with highest legal or standard requirements
- Typical applications**
- Material type determination based on its chemical composition in recycling industry
  - Determination of calorific value of refuse derived fuels
  - Detection of poisonous compounds in food industry
  - Analysis and monitoring of nutrients, moisture, protein, fat, pH values
  - Separation of mineral types and rock