

# SQALAR

Software for Determining Chemical Concentrations in Materials



# Product Overview

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

## DESCRIPTION

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. SQALAR in combination with 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

## APPLICATIONS

- Material identification based on chemical composition (e.g., recycling)
- Determination of calorific value of refuse-derived fuels
- Detection of poisonous compounds in the food industry
- Analysis and monitoring of nutrients, moisture, protein, fat, and pH values
- Separation of mineral types and rock