

Perception Tutorials

Step into the valuable hyperspectral technology by reading tutorials accessible from this page.



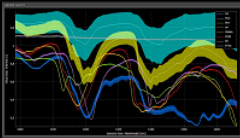
Get started

You like to get started with hyperspectral imaging? Read this page for an easy step-in.



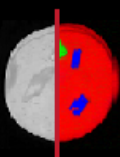
Hyperspectral imaging step by step

This document guides the reader through a complete hyperspectral imaging workflow beginning with the setup of components and ending up with the inspection of a color stream to discriminate taught plastics.



Exploratory analysis of plastics

Exploratory analysis are often the very first step after the acquisition of data from a camera system. In this tutorial various plastics are investigated by NIR line-scan HS imaging. Different spectral properties of the objects are explored.



Impurity detection on sausage

In food processing the detection of unwanted objects on goods is needed. This page summarizes a simple example on the detection of some plastic pieces on top of a sausage stack.



Quantitative analysis of Ibuprofen pills

In many industries quantitative measurement of spectral information gives an valued input e.g. for quality inspection. This page summarizes a simple example on modelling the API (active pharmaceutical ingredient) of pills.