

Sausage contaminated with plastics

This example project contains Hyperspectral imaging data of sausage contaminated with pieces of plastics.

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Downloads

Download an installer from below and follow the instructions of the [installation](#) guide

Original Donor	Measurement System	Release Date (YYYY-MM-DD)	Download	Size (Installer)
 <p>Markus Burgstaller Perception Park GmbH m.burgstaller@perception-park.com</p>	 <p>Stemmer Imaging HS Setup</p> <ul style="list-style-type: none">• Allied Vision GoldenEye• Specim N17E• Perception System	2016-05-30	Sausage contaminated with plastics.exe	20.38 MB

Open the installed example project from the [Start](#) perspective of your [Perception Studio](#) program.
You like to get a demo version of Perception Studio? Click [here](#).

Description

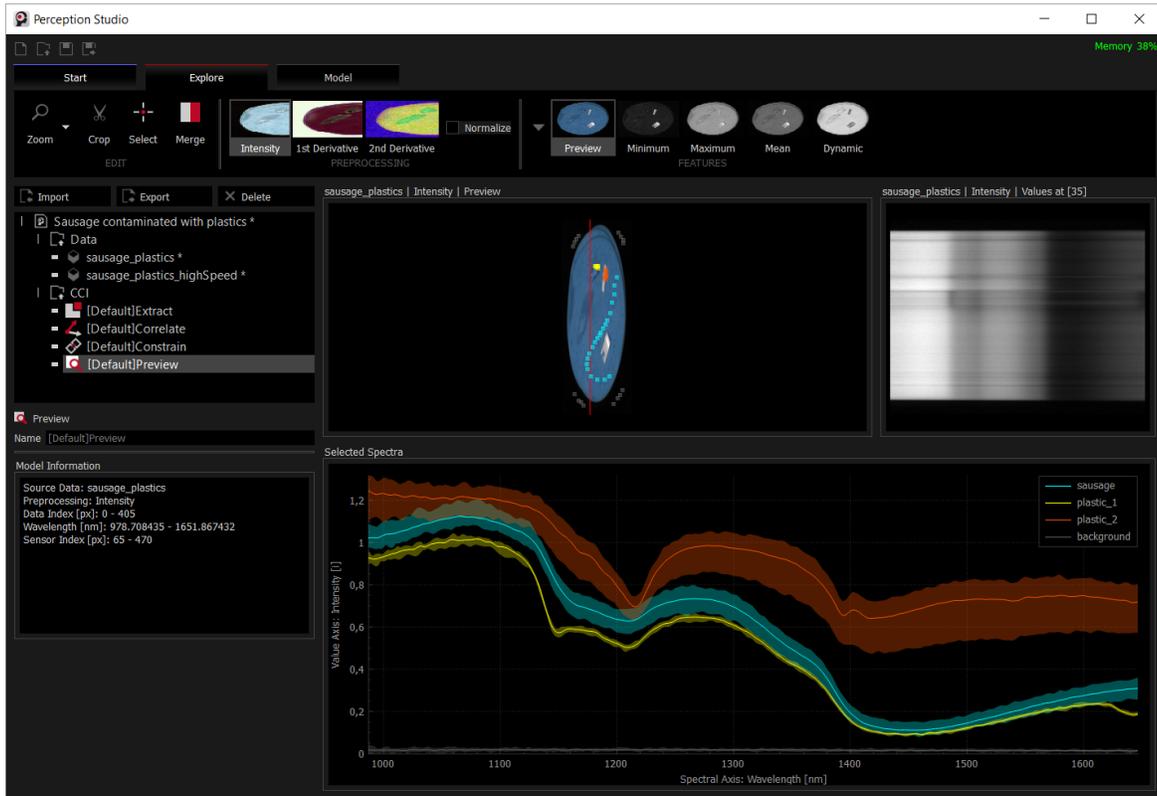
The example project "Sausage contaminated with plastics" contains Hyperspectral imaging data of sausage contaminated with pieces of plastics.

Content

Title	Sausage contaminated with plastics
Category	Food - Impurity detection
Sample Description	2x2 plastics on the top of a sausage stack ("Extrawurst").
Sample ID	unknown
Sample Location	unknown
Donor	Markus Burgstaller
Date of Measurement	16-04-27
Measurement System	STEMMER IMAGING HS Setup: Allied Vision GoldenEye CL033SWIR, Specim N17E slit30um, KOWA F12.5, Perception System
Measurement Description	Measurement of reflectance
Measurement Setup	Illumination: Halogen diffuse, background: black foam
Measurement ID	20160527132739
Formula	Unknown

Analysis	Unknown
Preprocessing	Unknown
Spectroscopic Discussion	Unknown
Sample Image(s)	

Overview



Usage

This data set gives an example on industrial impurity detection. So the discrimination of objects (impurities) from product (sausage) can be investigated.

Further notes of the data sets donor

Beside the `sausage_plastics` (979-1652nm) an additional hyperspectral cube is available named `sausage_plastics_highSpeed`. The "highSpeed" data set was obtained by measuring the same object but in a reduced spectral range: 1071-1268nm (resolved by 121 spectral points).

The "highSpeed" data set shows the possibility to speed up the camera system (scan rate) by decreasing the number of spectral points to be read from the sensor.

High speed measurement is mandatory for this kind of industrial application (impurity detection) since the transport speed of objects is typically high (1-2m/s) and size of impurities typically small (in the millimeter range and smaller).

Mentioned in Tutorials

Found 0 search result(s) for Sausage contaminated with plastics.

Good to Know

- When downloaded execute the installer. The data will get installed in the examples folder of your Perception Park folder in your user folder (e. g. my documents).
- When installed, open this project from the *Start* perspective of the Perception Studio program.

- A demo version of the Perception Studio program is available from [here](#).
- You are welcome to add your example data to the download space - see [How to add example data to the Perception Wiki](#)