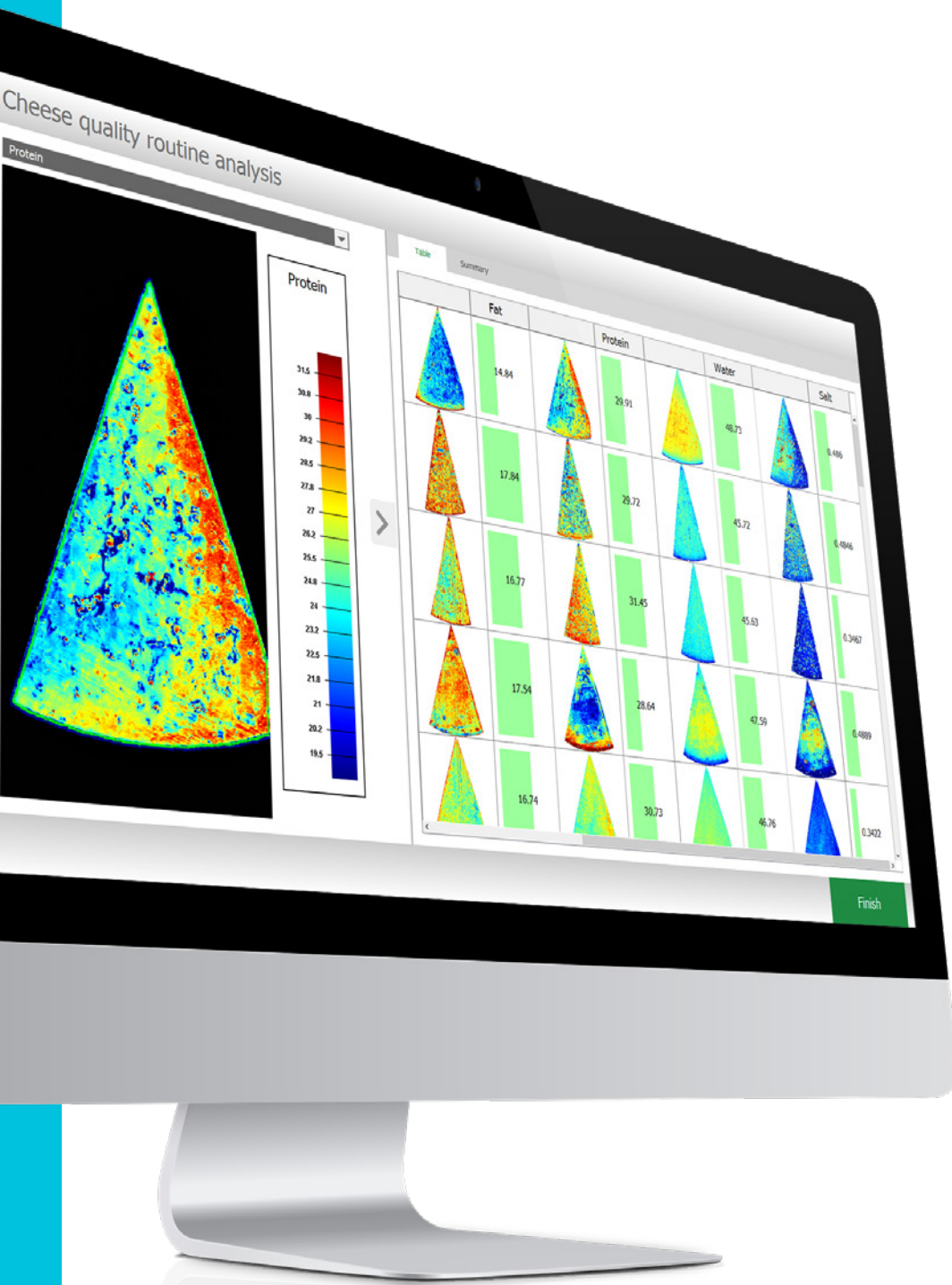


breeze.

HYPERSPECTRAL IMAGING MADE EASY
YOUR SOFTWARE SOLUTION



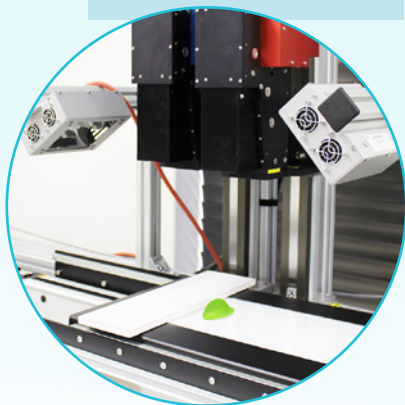
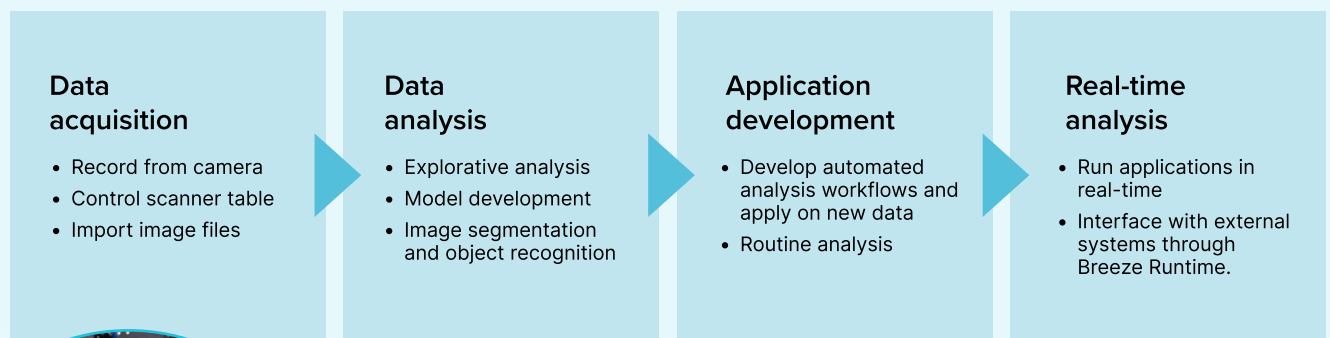
breeze.

Hyperspectral imaging software

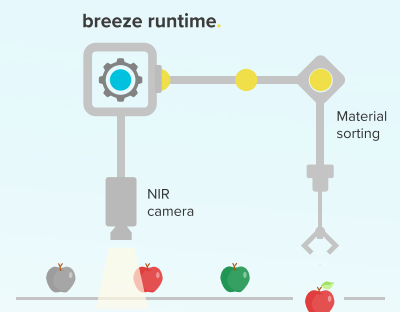
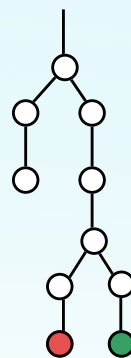
Breeze is Prediktera's premiere software solution enabling a wide range of hyperspectral imaging applications. It is used in research, application development, routine analysis and easily extends into real-time industrial analysis solutions.

- Speed up research and development of applications
- User friendly interface for experts and beginners
- For R&D and for real-time in industry

Your software, from idea to solution!



- Neural networks
- Chemometrics
- Machine learning
- Band math
- Object recognition



Modelling and data analysis.

Classification

Quantification

Machine learning (ML.NET)

- Auto fit
- Neural network
- Decision tree
- Support vector machine
- Random forest
- Logistic regression
- Maximum entropy
- Poisson regression
- Linear Regression

Chemometrics

- PLS
- PLS-DA
- PCA
- Hierarchical PLS-DA
- SIMCA

Spectral library analysis

- Constrained Spectral unmixing
- Spectral angle mapper

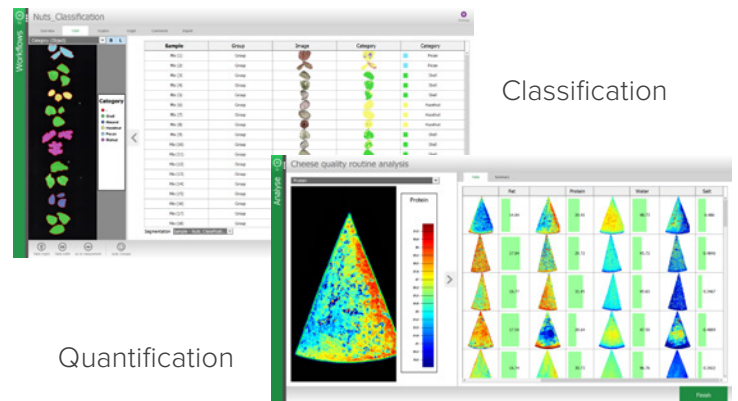
Band math

- Vegetation Index

Neural network ONNX models

- From external software (ex Pytorch)

Python Interface



Classification

Quantification

Object identification and image segmentation.

Spectral analysis

- Classification model (ML, chemometrics)
- Band math

Shape based analysis

- Deep learning
- YOLO v4 and v5
- Faster R-CNN
- ONNX neural networks (ex. Pytorch)

Other segmentation

- Pixel binning, grid, and pixel coordinates
- Manual selection of ROI

Supported systems.

| Manufacturer | Camera | Sample mover |
|---------------------------|----------------------------------|--------------------------|
| HySpex | NIR, VNIR, SWIR | Lab Rack |
| Specim | LUMO SDK – Swir, FX-10, FX-17 | SisuChema Lab-scanner |
| inno-spec | RedEye | Stepper table |
| Middleton Spectral Vision | | ViaSpec II |

System requirements.

- Platform independent - runs on Windows® and Mac operating systems.
- 64bit OS.
- Support for multiple CPU cores.
- Minimum system memory requirements. 8 GB RAM, 64bit OS (16-32 GB recommended)
- 64bit Java Runtime Environment, version 8 or later installed.

Your contact.

Prediktera gives you user-friendly software solutions. With over 15 years of experience in data and imaging analysis we aim to be your preferred provider of software solutions for hyper- and multi spectral imaging.

For sales and general questions, please use the contact information below.
We are here for you!

[Book a demo](#)

[Download a free 30 day trial](#)



Oskar Jonsson
R&D Manager
oskar@prediktera.com



Andreas Vidman
CEO
andreas@prediktera.com
+46(0)70 - 329 69 58