CANOPY SCANALYZER

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CANOPY SCANALYZER

LemnaTec
MEMBER OF THE NYNOMIC GROUP

The Sensor-to-Plant Phenotyping System for Greenhouses and Growth Rooms

- Versatile instrument
- Broad range of phenotyping applications
- Plant-environment-interactions
- Genotype-phenotype-relations
- For research and breeding
- Imaging and analyses of plants in pots, containers, or ground soil
- Sensors moved across planting area
- Canopy-level data
- Plant-level data if plants standing at distance
- Multi-sensor phenotyping
- Advanced machine learning for feature extraction
- Database for plant data and metadata
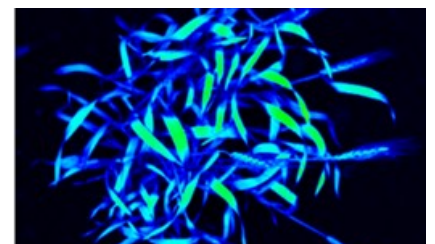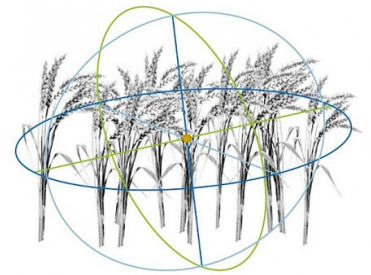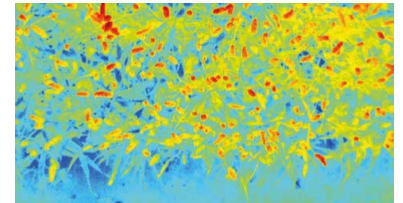
FEATURES

- High-resolution plant phenotyping
- Available for glasshouses and closed climate rooms
- Sensors unified in senor bay or sensor exchange system
- Experiment planning and automated measuring

Product Properties

Gantry system

- X-Y-Z movement
- Full automation
- Scalable design for various room sizes
- Rapid data acquisition
- Flexible design of experiments
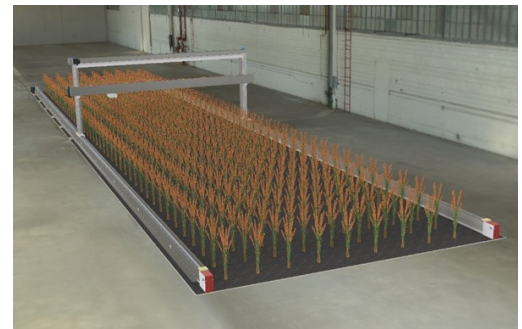
Sensor options—top view cameras

- Visible light/RGB camera module
- Near infrared (NIR) Camera Module
- Infrared (IR) Camera Module
- Chlorophyll Fluorescence Kinetics Module
- Hyperspectral Imaging Module
- Multispectral Imaging Module
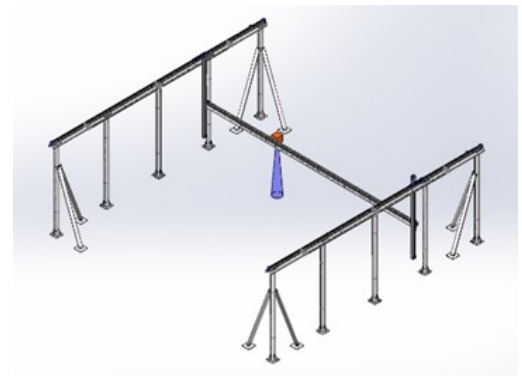
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