

CONVEYOR SCANALYZER



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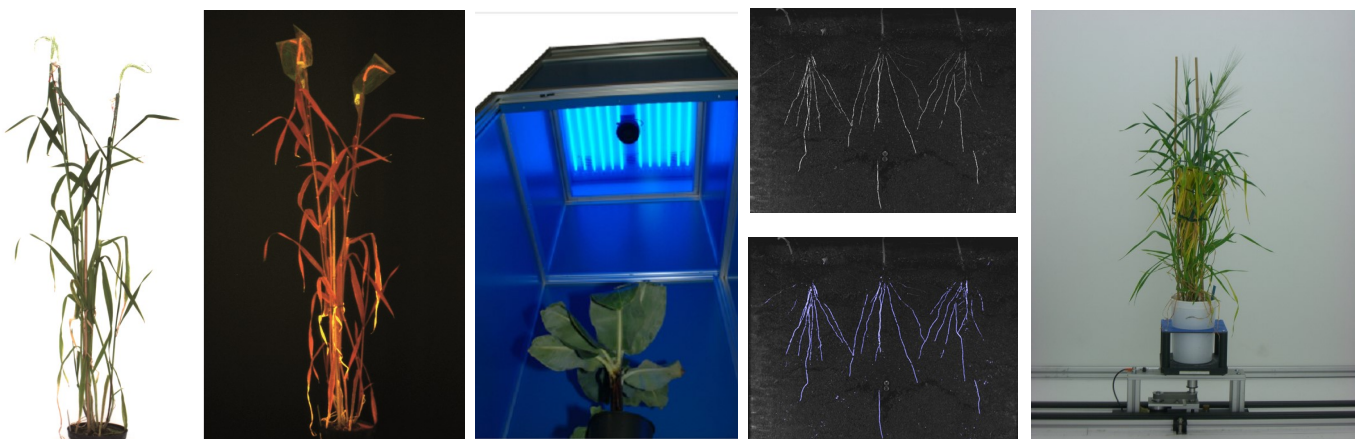
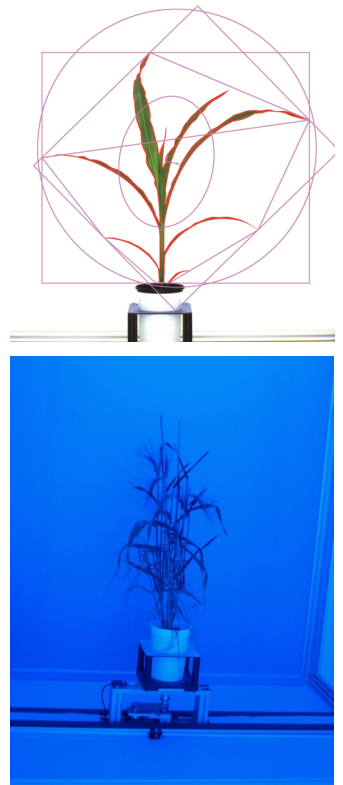
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CONVEYOR SCANALYZER

The most widespread Plant-to-Sensor Phenotyping System for Greenhouses and Growth Rooms in the world

- Easy determination of plant-environment-interactions
- Rapid analysis of genotype-phenotype-relations
- Efficient and fast for research, product development, and breeding
- Imaging and analyses of plants in pots, containers, rhizoboxes
- Advanced sensors and corresponding high-quality light in cabinets
- Individual plant data and time courses
- Multi-view shoot phenotyping
- Soil-based root phenotyping
- Advanced machine learning for feature extraction
- Database for plant data and metadata



FEATURES

- ◆ High-resolution plant phenotyping
- ◆ Available for glasshouses and climate rooms
- ◆ Broad range of advance phenotyping sensors and applications
- ◆ Experiment planning and automated measuring

System Facts and Options

Conveyor system

- Carrier systems for pots and rhizoboxes
- Full automation
- Scalable design for various room sizes
- Rapid data acquisition
- Flexible design of experiments
- Weighing and watering of pots



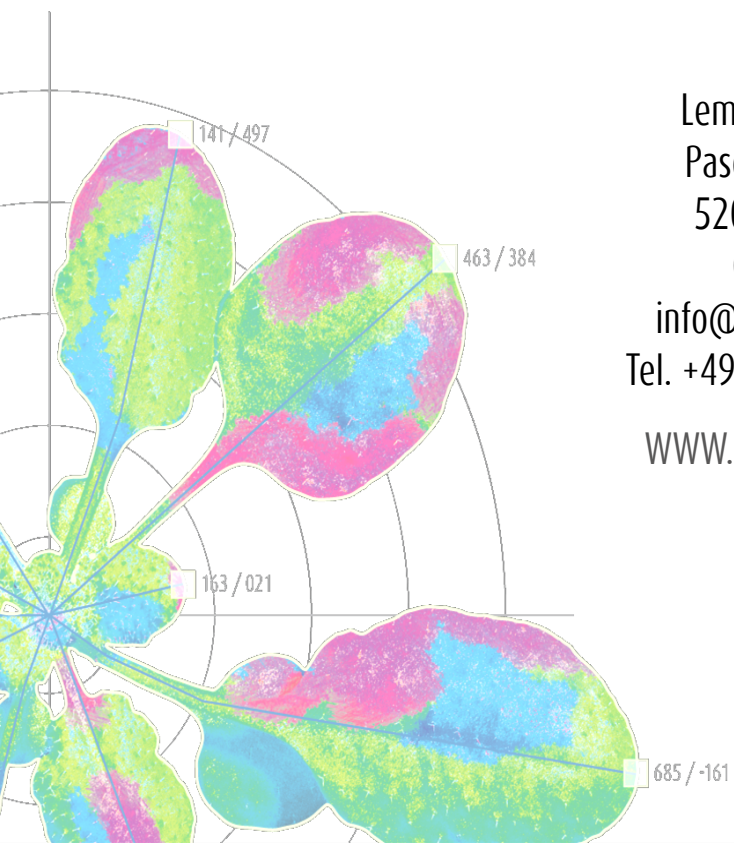
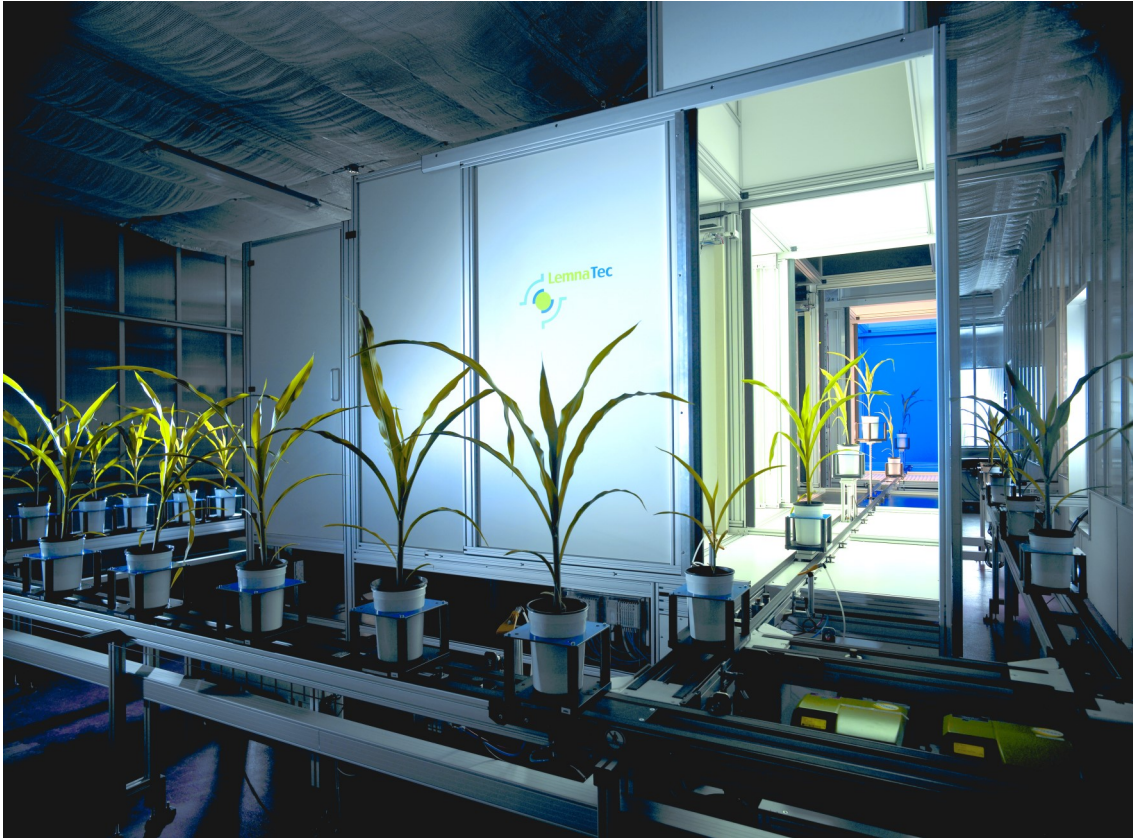
Sensor options—top- and side- view cameras

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



Conveyor system versions

	small	medium	large
Height of plant + pot (mm)	500	1500	2500
Diameter of plant above pot (mm)	200	750	1500
Height of pot to place in carrier (mm)	110	250	300
Diameter of pot to place in carrier (mm)	110	250	300
Weight of plant, pot, soil, water (g)	2000	8000	16000



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