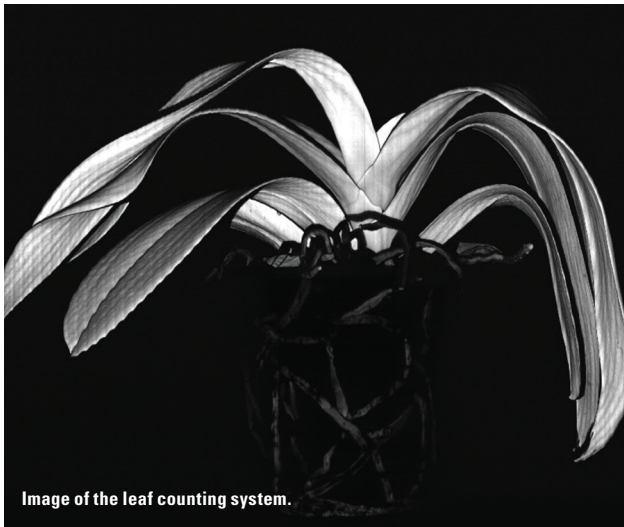


Aris Vision Systems Orchid chain information from breeding to flowering

With the introduction of several new camera systems for orchid growers, Aris has updated and improved their existing systems with new technology and innovations. They provide solutions through the orchid chain from breeding to flowering.

New imaging techniques

Starting with the new potting camera, the system uses advanced strobed LED lighting that provides uniform measurement of plant size and volume. Using a new imaging technique even dark leaves are easy to measure, all automatically. The spacing camera and positioning system can also profit from the new imaging system. Then, the first system to count the number of leaf pairs is in active development and will be introduced this year. The number of leaf pairs is considered to be a better predictor for the final plant quality than the size of the leaves only. Sorting on the number of leaves is also interesting for breeders of orchids in plugs.



Top of the range

Top of the range is the new high throughput Phalaenopsis 3.0 system for staked plants and flowering plants. It uses 3D information from a rotating plant that passes a single high resolution camera. Compared to the earlier versions this system counts the branches, the buds and the flowers with high accuracy. Options include classifying the flowers on color and pattern into a dozen main classes.

For the staked plants measuring the ripeness is very important and this system is more accurate than before. This also meets the requirements of today's plants that have more branches and flowers than in the early days when Aris introduced their first camera systems.



Thanks to strobed LED panels the images have constant illumination and do not require adjustments over time. The LED panels have a long lifetime and consume only a fraction of the energy of old lamps. It contributes to eco-friendly and sustainable systems.

Tremendous management information

All these systems deliver tremendous management information for the growers and breeders. Individual plant measurements are stored in a database that may be accessed by other systems. Integrated in logistic systems as from Flier Systems or Bosman van Zaal, plants can be individually tracked and traced through the phenotyping and production chain.

The Aris Vision systems for the orchid chain are just an example of our product range. Visit our website for other chain wide vision based solutions for ornamentals, vegetables and meat.

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