

Press release

Stuttgart, January 27, 2025

Innovative Sustainable Propagation System

Selecta one, the renowned breeding and young plant company based in Stuttgart, is set to unveil a groundbreaking innovation at IPM 2025: the RCS 2.0 system.

This advanced propagation system roots cuttings offshore in special biodegradable paper bags, requiring minimal energy and no substrate. The bags are made from cellulose fibers, are entirely free from fossil-based plastics, and are fully biodegradable. The compact size of the rooted cuttings ensures efficient transport, reduces space requirements, and generates significantly less waste compared to traditional rooted cuttings.

Delivered in paper strips, the cuttings are ready for immediate use by customers. They can be potted manually on conveyor belts, tables, or potting machines. Alternatively, the process can be fully automated with the TTA Cutting Edge system, a cutting-edge transplanting solution developed in collaboration with Dutch automation specialist TTA. This innovative machine precisely cuts the paper strips, grips the cuttings, and automatically pots them into growing media.

The RCS 2.0 system will make its debut at IPM 2025. Following the launch, a pilot phase will gather insights from practical applications across a range of crops.

Per Klemm, Managing Partner of Selecta one, commented:

‘Selecta is known for innovations in the field of cultivation such as PINK KISSES® or NightSky®. Now, with the RCS 2.0, we are launching a real innovation in the field of process optimisation and production. It is the result of great internal collaboration across various locations and with external partners. It shows the potential of thinking in terms of solutions for our customers and how this potential can be realised through collaboration. We have developed a real world first, a system that is environmentally friendly, resource-saving and efficient, adds value at various points in the value chain and with which we will set new standards on the market.’

Bram Verschoor, Chief Commercial Officer of TTA-ISO, added:

“TTA-ISO specializes in advanced automation solutions for professional horticulture. Our robotic systems, integrated with deep learning vision technology, enable our customers to optimize workflows and reduce costs. Collaborating with Selecta to develop this reliable and innovative handling system for paper pockets has been a rewarding experience. We believe this system will revolutionize plant production from cuttings and provide immense benefits throughout the value chain.”

Comprehensive Patent Protection

Selecta one has ensured that RCS 2.0 and the key processes involved in production and handling are protected through a robust patent. In addition to the sale of own genetics in RCS 2.0, Selecta will offer system licensing.

Selecta One

The Selecta one Group is a leading global breeder, grower and marketer of innovative ornamental plants. The breeding activities comprise bedding and balcony plants, houseplants, perennials and cut flowers. With production sites and sales companies in Europe, Africa, Asia and America, Selecta one serves all relevant markets worldwide.

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