FOR IMMEDIATE RELEASE

Scienta Omicron, Surface Concept, and Prof. Gerd Schönhense Announce Strategic Alliance to Deliver Advanced Momentum Microscopy Solutions Worldwide

Uppsala, Sweden & Mainz, Germany – 5th December 2025 – **Scienta Omicron**, a world-leading provider of surface science instrumentation, **Surface Concept GmbH**, a pioneer in ultrafast particle detection technologies and Momentum Microscopy, and **GST mbH**, founded by Momentum Microscopy pioneer Prof. Gerd Schönhense, jointly announce a strategic collaboration to advance the future of Momentum Microscopy.

A New Joint Effort to Develop the Next-Generation Momentum Microscope

The three partners have entered a co-development program to create a **next-generation Momentum Microscopy (MM) solution**. This collaboration combines **Scienta Omicron's** expertise in integrated UHV systems and surface science instrumentation, **Surface Concept's** high-performance Time-of-Flight (ToF) detection technologies, and **Prof. Gerd Schönhense's** foundational contributions and ongoing innovations in Momentum Microscopy. Together, the partners are laying the groundwork for the next phase of momentum-resolved electron imaging.

Proven Surface Concept MM Solutions Available Through Scienta Omicron

As part of the alliance, **effective immediately**, Scienta Omicron will also offer **Surface Concept's established Time-of-Flight Momentum Microscope** to the global surface science community. The instrument will be available as a **standalone component** or as a part of a **fully integrated Scienta Omicron system solution.**

About Scienta Omicron

Scienta Omicron leads the field in materials and surface science, providing modular and integrated solutions for spectroscopy, microscopy, and thin film growth under ultra-high vacuum. With decades of innovation, the company supports scientists worldwide in pushing the boundaries of nanotechnology and quantum materials research.

About Surface Concept GmbH

Surface Concept GmbH is a German technology company specialising in advanced microscopy and imaging detection systems. With a strong emphasis on innovation, Surface Concept commercialises superior momentum microscopy instruments based on the developments by researchers of the Max Planck Institute in Halle and the University of Mainz. These novel products have already enabled disruptive innovations in electron dynamics, band structure analysis, and materials characterisation.

About GST MBH (Gesellschaft für Systembezogene Technologieentwicklung mbH)

Founded by Prof. Gerd Schönhense and dedicated to advancing momentum- and time-resolved electron imaging technologies.

Executive Statements

Susanna Eriksson, CEO of Scienta Omicron, stated:
"This partnership brings together complementary strengths that allow us to move Momentum Microscopy forward in a meaningful way. By combining Surface Concept's proven ToF technologies and Prof. Schönhense's pioneering expertise with our integrated system platforms, we can support customers immediately while jointly developing the next generation of MM solutions."

Pasqual Bernhard, CEO of Surface Concept GmbH, added:
"This collaboration with Scienta Omicron and Prof. Schönhense strengthens both our future solutions development in Momentum Microscopy and the global availability of our existing ToF-MM solutions. Through this partnership, our technologies will serve more researchers and be integrated into complete, high-performance system platforms."

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Gerd Schönense, Founder, **GST MBH** stated:
"Momentum Microscopy continues to evolve rapidly. This collaboration creates an excellent framework to transform new concepts into the next generation of instruments "

This strategic alliance reinforces the commitment to excellence, innovation, and collaboration in serving the scientific community from all three member companies.

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