



TAIYO NIPPON SANSO
The Gas Professionals

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Lund University Selects Taiyo Nippon Sanso MOCVD Platform for Research and Development of Advanced Oxide Materials and Devices

Taiyo Nippon Sanso Corporation (Head Office: Shinagawa-ku, Tokyo; President: Kenji Nagata; hereinafter “TNSC”) and Lund University in Sweden announce that Lund University will purchase and use a TNSC FR2000-OX metal organic chemical vapor deposition (MOCVD) reactor for its advanced gallium oxide research and development.

“Taiyo Nippon Sanso is very proud to establish a relationship with Lund University for research and development of gallium oxide materials and devices. This is Taiyo Nippon Sanso’s first gallium oxide reactor placement in Europe and Taiyo Nippon Sanso is looking forward to working with Professor Vanya Darakchieva and the Lund University community to further its mission ‘to be a world-class university that works to understand, explain and improve our world and the human condition’,” said TNSC Senior Corporate Officer Kunihiro Kobayashi.

“Lund University is very excited to partner with Taiyo Nippon Sanso,” said Professor Vanya Darakchieva in Materials Science and a Wallenberg Scholar at Solid State Physics Division, LTH, Lund University, and Director of Centre for III nitride technology. “The selection of the TNSC MOCVD system and partnership with Taiyo Nippon Sanso enables Lund University to expand its epitaxial growth facilities with these state-of-the-art growth capabilities for oxide materials. We are eager to leverage TNSC technology to push the boundaries of wide and ultrawide bandgap semiconductor research and development.”

The MOCVD reactor will be installed at the Solid State Physics Laboratory in Sweden, a shared user facility servicing the nitride and oxide materials community. Learn more about Lund University at <https://www.lunduniversity.lu.se/>.

As research and applications for advanced oxide materials and devices expand, TNSC expects its MOCVD platforms to be the platforms of choice for researchers and manufacturers. TNSC will continue to seek collaborations and partnerships with leading universities and corporations in Europe.

About Taiyo Nippon Sanso Corporation

Taiyo Nippon Sanso Corporation, founded in 1910 is a global supplier of industrial gases. In 1983, TNSC launched MOCVD operations alongside its conventional industrial gas operations. More information about TNSC MOCVD products and technology can be found at www.MOCVD.jp

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