



**TAIYO NIPPON SANSO**  
The Gas Professionals

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**University of South Carolina Selects Taiyo Nippon Sanso MOCVD Platform  
for Research and Development of Advanced Nitride Materials and Devices**

Taiyo Nippon Sanso Corporation (Head Office: Shinagawa-ku, Tokyo; President: Kenji Nagata; hereinafter “TNSC”) and the University of South Carolina announce that the University of South Carolina will purchase and use a TNSC SR4000HT metal organic chemical vapor deposition (MOCVD) reactor for its advanced nitride research and development.

“Taiyo Nippon Sanso is very proud to establish a relationship with the University of South Carolina for research and development of ultra wide band gap nitride materials and device technology. Taiyo Nippon Sanso is looking forward to working with Professor Asif Khan and the University of South Carolina research community to further enhance its already great reputation as leaders in the field of nitride semiconductor research,” said TNSC Senior Corporate Officer Kunihiro Kobayashi.

“The University of South Carolina is very excited to partner with Taiyo Nippon Sanso,” said Professor Asif Khan, Distinguished Professor Electrical Engineering and Director of The Photonics and Microelectronics Laboratory. “The selection of the TNSC SR4000HT MOCVD system and partnership with Taiyo Nippon Sanso enables the University of South Carolina to have state-of-the-art growth capabilities for high aluminum content AlGaN alloys and other nitrides. We are eager to leverage TNSC technology to push the boundaries of nitride semiconductor research.”

As research and applications for advanced nitride materials and devices expand, TNSC expects its HT (high temperature) MOCVD platforms to be the platforms of choice for researchers and manufacturers.

***About University of South Carolina***

For more information, visit <https://sc.edu/>

***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](http://www.MOCVD.jp)

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