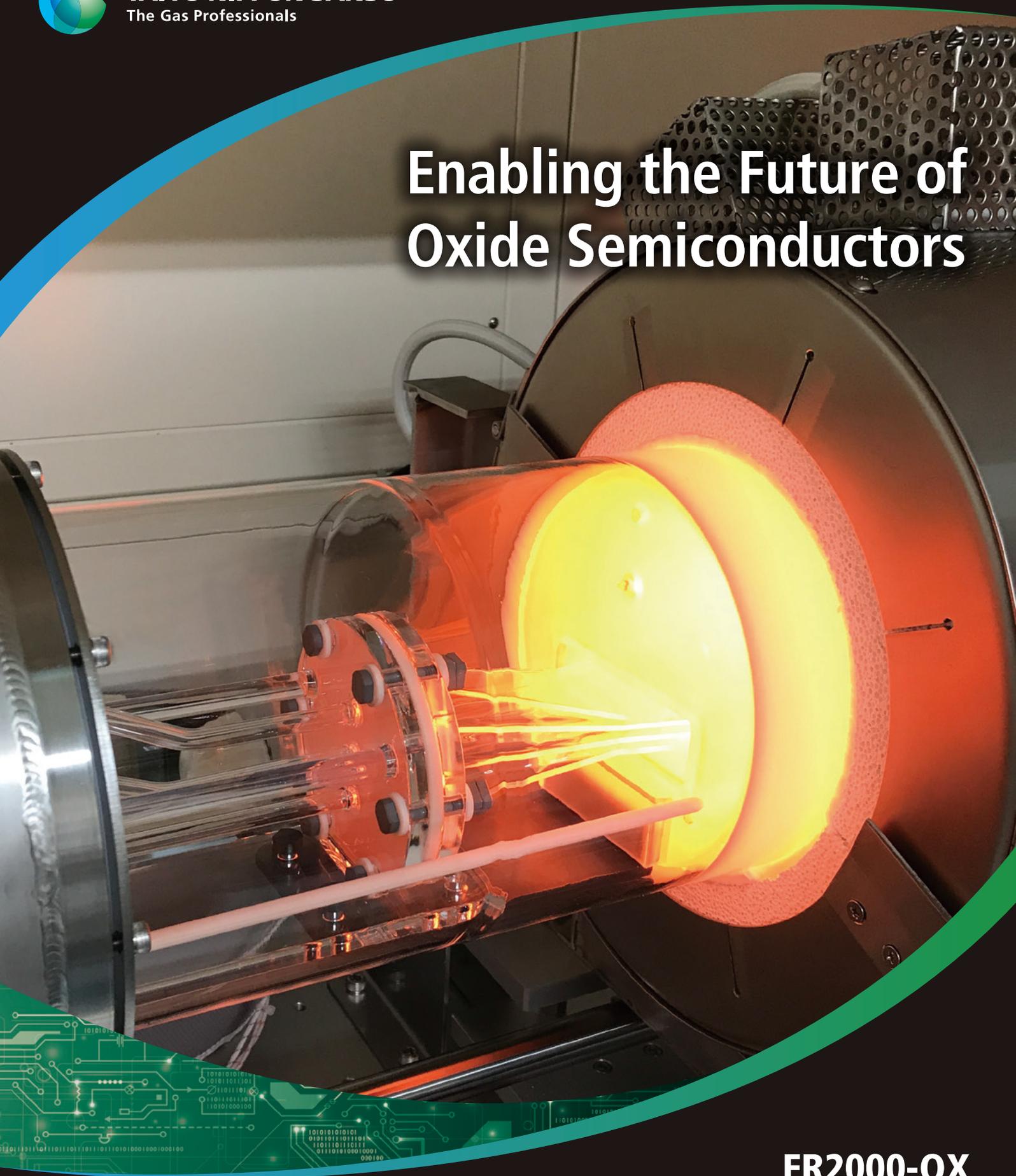




**TAIYO NIPPON SANSO**  
The Gas Professionals

# Enabling the Future of Oxide Semiconductors



**FR2000-OX**

Flexible Oxide MOCVD with Precise Gas & Temperature Control System

# Cutting Edge MOCVD System for Oxide Power Devices

## Advantages

- A horizontal three-layer laminar flow gas phase, based on TNSC technology, enables controlled, uniform gas flow and limits parasitic reactions
- A production-friendly face-down wafer design reduces particle contamination in epitaxial films
- The system is provided with TNSC's unique automatic logging functions as a standard feature for easy troubleshooting
- Simple reaction tube design enables easy maintenance
- Easy-to-use software and operation panel



## Applications

Power devices, UV photodetectors

## FR2000-OX Specifications

\* Specifications have not yet been finalized. General specifications are listed below.

Reactor type	Face down, horizontal with rotation
Wafer size	2" x 1 (Single wafer)
Heating system	Three (3) zone control, hot-wall system
Sources	Three (3) or more
Gas nozzles	Three-layer laminar flow gas injection



## About Us

Taiyo Nippon Sanso Corporation (TNSC) is an industrial gas manufacturer with abundant experience and unique technological capabilities supporting a wide range of industries, including the electronics, steel, chemical, automobile, construction, shipbuilding, food/beverage, and medical care sectors. TNSC is expanding globally with products developed in-house, and products and technologies acquired through open innovation platforms. TNSC was the first company to develop and introduce its own commercial metal organic chemical vapor deposition (MOCVD) systems in 1983. TNSC equipment has received praise for its world-class performance and stability. TNSC is also uniquely qualified to provide total solutions for MOCVD applications, including MOCVD equipment, purification and abatement solutions, specialty gases, and gas handling equipment.



Visit Our Website & YouTube Channel



[www.mocvd.jp](http://www.mocvd.jp)



<https://www.youtube.com/channel/UC23pJTKDef-nbxUxbcjiHeQ>

**TAIYO NIPPON SANSO Corporation**

Address: 1-3-26 Koyama, Shinagawa-ku, Tokyo 142-8558, Japan

E-mail: [mocvd@tn-sanso.co.jp](mailto:mocvd@tn-sanso.co.jp)

TEL: (81) 03-3457-9220

ALL PRODUCTS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE  
UNAUTHORIZED COPYING AND/OR REPRODUCTION PROHIBITED