



PRESS RELEASE

EBARA Precision Machinery
Europe GmbH

Headquarters:
Am Promigberg 20
01108 Dresden,
Germany
Phone +49 8104 888 2530
info@ebara-pm.eu

Managing Director:
Jörg Bruckamp

Amtsgericht Dresden
HRB 46342
VAT DE 811708444

Supervisory Board:
Yasushi Takahashi,
Chairman
EBARA Corp., Tokyo, Japan
www.ebara-pm.eu

Innovative LA+ model

New combustion exhaust gas abatement system

Dresden, 2025/10/15. EBARA CORPORATION has launched the Model LA+ combustion-based exhaust gas abatement system, engineered to safely neutralize process gases in semiconductor manufacturing.

1. Background

The semiconductor manufacturing industry increasingly employs a variety of specialized gases, making it essential not only to abate them safely but also to minimize reactive byproducts that can hinder continuous operation. By addressing these needs, EBARA has developed the new Model LA+, which enhances processing and durability performance over its predecessor, Model TND.

2. Key Features

The Model LA+ incorporates the following four key features :

① Reduction of Byproduct Adhesion and NOx/COx Emissions

Achieving a high Destruction and Removal Efficiency (DRE) of over 95% for hard-to-decompose gases like CF₄, Model LA+ utilizes a newly developed dual-stage combustion burner. This innovation reduces byproduct adhesion within the gas processing chamber while also lowering NOx/COx emissions.

② Compact Design for Space Efficiency

The unit's height has been reduced by approximately 50% compared to previous models, allowing for more effective use of upper space in facilities.

③ Hydrogen Fuel Option

In addition to conventional fossil fuel, the Model LA+ lineup now includes a hydrogen fuel option for customers seeking more sustainable energy choices.

④ Maximum Airflow Capacity of 600L/min

Despite its compact form, the Model LA+ maintains the same high airflow capacity of 600L/min as the Model TND, ensuring optimal performance.



**EBARA Precision Machinery
Europe GmbH**

Headquarters:
Am Promigberg 20
01108 Dresden,
Germany
Phone +49 8104 888 2530
info@ebara-pm.eu

Managing Director:
Jörg Bruckamp

Amtsgericht Dresden
HRB 46342
VAT DE 811708444

Supervisory Board:
Yasushi Takahashi,
Chairman
EBARA Corp., Tokyo, Japan
www.ebara-pm.eu

3. Specifications

Model name: LA+

Maximum Inlet Connections: 4 (6-inlet model to be released in 2025)

Maximum gas Inflow: 600L/min (future high-capacity versions also planned)

Dimensions (W x D x H, mm): 1200 x 700 x 990

Fuel options: Hydrogen, city gas, propane

Compatible processes: ALD, PE-CVD, LP-CVD, Etching

4. Future Plans

EBARA remains dedicated to addressing industry challenges with advanced technology, contributing to the further growth of the semiconductor sector, and supporting our long-term vision, "E-Vision2030," which aims to enhance quality of life through innovation.

The EBARA Group aims to contribute to the achievement of the Sustainable Development Goals (SDGs) by addressing material issues identified in its long-term vision and executing the medium-term management plan to increase corporate value.

PRESS CONTACT

Gabriela Schmid

gschmid@ebara-pm.eu

Phone. +49 173 70 44 606

About EBARA

EBARA is a leading global manufacturer of vacuum and semiconductor systems used in the production of wafers, liquid crystals, solar cells and other high-tech products. EBARA Corporation was founded in 1912 by Issey Hatakeyama and employs over 21,000 people worldwide. With an annual revenue of over 866 bn Yen, EBARA is one of the largest companies in the industry. EBARA supplies 16 of the top 20 manufacturers in the chip industry.

About EBARA Precision Machinery Europe

EBARA Precision Machinery Europe (EPME) GmbH, headquartered in Dresden, Germany, is the European sales and service company of EBARA Corporation Tokyo. The EPME portfolio includes dry and turbomolecular vacuum pumps as well as modern gas abatement systems for the chemical industry, for example. EPME also sells state-of-the-art CMP tools, wafer bevel polishing and substrate coating systems for chip manufacturing. In 2021, EBARA opened its second modern overhaul centre for vacuum pumps in Dresden. EPME has been operating a vacuum pump overhaul centre in Livingston (UK) since 1993. EPME employs about 230 people in Europe and Israel.

www.ebara-pm.eu

Picture credits: © Ebara Corporation