

DYNOX™

Dynamic Oxidation Treatment



Dynox™ is the first fully flexible gas abatement system using only air for the oxidation process.

BENEFITS OF DYNOX™

- High uptime
- No water usage
- Excellent CoO ratio
- Low capital & operating costs
- High safety level
- Extremely low maintenance
- No fuel gases needed

Optimize your Total Cost
of Ownership with Dynox™

Ahead > Beyond

Development

Dynamic oxidation is the most cost effective abatement solution. In the past the S.DOC™ chamber was the answer to abatement methods in different industries for pyrophoric effluents.

Listening to our customers and defining with them their requirements, EBARA Precision Machinery Europe ("EPME") decided to develop a new abatement product, improving the former S.DOC™ system. All advantages of the S.DOC™ were incorporated into the new product. On this base EPME improved functionality and cost effectiveness. The Dynox™ was born.

DYNEX™

by EBARA Precision Machinery Europe

With the innovative Dynox™, developed and build in the EPME site Dresden in Germany, customers have the one and only solution for reliable and low cost abatement of pyrophoric gas. The particles can be caught in an additional point-of-use filter.

Dynamic Oxidation is the most cost effective solution for pyrophoric gas abatement. The dynamic oxidation units can be fitted with a mechanical filter or water scrubber to handle any water soluble gases.

The Dynox™ has been developed in Dresden by EBARA Precision Machinery Europe. All Dynox™ systems are produced also in Dresden, Germany.



**You need a “green”
solution for gases?**

Visit our website
www.ebara-pm.eu

Contact us

components@ebara-pm.eu

The Dynox™ Principle

Dynamic Oxidation is the most cost effective solution for pyrophoric gas abatement. Large flows of pyrophoric gases like SiH_4 are used extensively in Semiconductor and Thin Film Solar manufacturing processes.

The process gas enters the Dynox™ through the process inlets located at the top of the unit. The process gas then flows down into the reaction chamber. Here it is mixed with the incoming ambient air.

A self-cleaning mechanism strike through the inlets and clean any solids that build up during the oxidation process.



Do you have any other requirements for gas abatement?

EBARA offers solutions for highly efficient abatement of waste gases. Keeping the environment clean and taking care of sustainable gas abatement is our job. Our gas abatement systems ensure high safety standards and clean within the closed system.

Find the best solution for your gas abatement requirement.

Our product range for different gas processes:

- Burner-Washer-Systems with our G5-, G6- or TND-series
- Washer-Burner-Washer-Systems for WF6 processes with the TND single plus
- Water-Scrubber-Systems for water soluble gases, e.g. EPI-process with the G-WS1000

For more information please contact our Sales Team:

components@ebara-pm.eu
or visit our website: www.ebara-pm.eu



100% Peace of Mind

EBARA stands for innovative solutions to protect our environment. Support our globe is our philosophy to save energy and waste.

Peace of Mind is our credo in customer care. We listen to our customers and find together with them the best solution. As our customer you can focus on your core business. EBARA takes care about vacuum, gas abatement, CMP and service. Let's talk together.

EBARA is a worldwide leading global manufacturer of vacuum and semiconductor systems used in the production of wafers, liquid crystals, solar cells and other products requiring advanced technology.

EBARA supports



EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs approximately 170 people in Europe. The portfolio includes dry and turbo molecular vacuum pumps as well as gas abatement systems. In addition, EPME sells state-of-the-art CMP tools, wafer bevel polishing and substrate coating systems. In Europe, EPME has a central warehouse and two overhaul centres for vacuum pumps.

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