



# ESSENTIALS Elements

EBARA TECHNOLOGIES, INC.

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## Ebara's Model DOU-SC Abatement

When it comes to exhaust gas abatement, simple is best. In fact, there are three key elements to a well designed abatement system; efficient abatement of hazardous gases, safe operation and low cost. Ebara's Model DOU-SC\* is designed with safety in mind. With no active fuel requirements, Model DOU-SC\* is safer to operate than a conventional burner type abatement system and can abate pyrophoric (Silane) and water soluble (Ammonia) gases in an efficient and cost-effective way.



Model DOU-SC\* comes standard with four-inlets for processing hazardous gases coming from your process tool. Additionally, the model requires only minimal amounts of electricity and water to operate, giving it an extremely low running cost that is significantly lower than a conventional burn/wet unit. The simplicity of the design ensures that it Model DOU-SC\* will always be working for you when needed.

### FEATURES & BENEFITS:

- High abatement efficiency for pyrophoric and water soluble gases
- No fuel or N2 requirements
- Easy to operate
- Simple to maintain
- Four-inlets
- Low running cost
- Semi S2 certified, UL listed

## Contact Us At Ebara for Your Exhaust Gas Abatement Needs!

\* "Model DOU-SC" is our model code

## Ebara Recieves LAM Global Workplace Solutions Award

LAM Global Workplace Solutions is the organization at LAM that has campus wide responsibility at each of the LAM Sites for all functions from Landscape Maintenance to Lab Operations and everything in between. Each Year, LAM recognize outstanding achievement and this year they have chosen the Ebara Site Services Team as the "Vendor of the Year" from among all 100+ contracting companies they work with.

The criteria by which this recognition is awarded are escalation support, technical support, coverage flexibility, willingness to step outside of specifically contracted responsibilities/going the extra mile, ISO audit records, adherence to LAM's core values, cooperation with LAM/Non LAM Employees, safety incident records, participation in monthly safety classes (provided by Fremont fire department on-site), and engagement in ERT events.



Photo Left to Right:  
Brian Estes, Ilya Yagolnikov,  
Austin Estes, Marc Griffin



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## An Innovative Heated Gas Solution

Ebara Technologies is taking new strides in Thermal Solutions in order to provide the best maintenance for pump operation throughout various applications and has created an innovative, fast response heater designed to heat Nitrogen gas to temperatures of up to 200°C. With a flow capacity of 300SLM, this is an excellent source of heated dilution gas for smooth process operation.

Vacuum pumps have the capability of being exposed to multiple gas species directly from a process tool. By introducing an inert gas such as Nitrogen at a controlled temperature and flow rate, the process gasses can be kept at a controlled temperature that will reduce the amount of reactions, condensation, and sublimation



that can cause byproduct build up within the pump and lines saving on maintenance time and expensive downtime for tools. Most LPCVD, Metal Etch, CVD, PECVD, FPD, and ALD users can all benefit from heated dilution solutions to reduce undesirable temperature reactions during process.

Contact [info@ebaratech.com](mailto:info@ebaratech.com) for more information

## SEMICON WEST 2018

We would like to thank all of our customers, vendors and worldwide Ebara Component and System Equipment Division representatives for ensuring SEMICON West was a success. We experienced overwhelming participation at our newly designed booth.



This year's festivities included an array of client meetings and dinners, industry networking events and exhibition of our new integrated rack systems with heating solutions.

Here's to a successful end of 2018 and we hope to see you next year!

**SAVE THE DATE: July 9-11, 2019**



**EBARA Technologies, Inc.**  
Service and Sales presence:

**Headquarters**  
51 Main Avenue  
Sacramento, CA 95838

San Jose, CA      Albany, NY  
Malta, NY      Hillsboro, OR  
Newburyport, MA

## JOIN US AT OUR UPCOMING EVENTS



RM AVS - Sept 11- 14  
Westminster, CO



National Nanotechnology  
Coordinated Infrastructure

NNCI Conference - Sept 12 - 14  
Seattle, WA



Science and Technology  
of Materials, Interfaces, and Processing

AVS Long Beach - Oct 21- 26  
Long Beach, CA



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