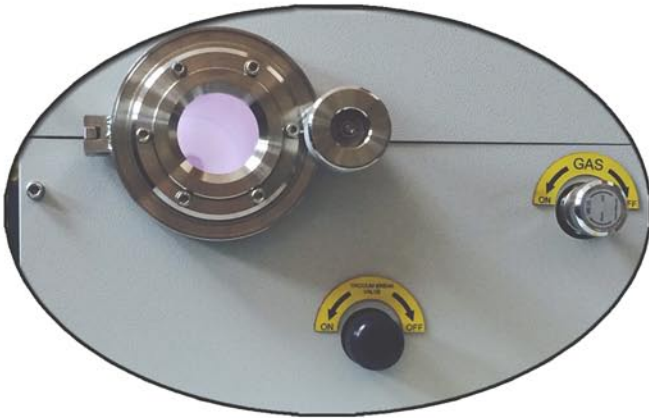


e-bulletin

Vaksis Vacuum Systems Bulletin
Year: 4, No: 10, June 2014

PVD AND CVD COATING SYSTEMS FOR VARIOUS APPLICATIONS

www.vaksis.com



■ surface
modification

■ new product
Oxygen Plasma
Surface Modification System

■ activities

- PVD: Physical Vapor Deposition
- CVD: Chemical Vapor Deposition

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Vaksis Vacuum Systems Bulletin
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Surface Modification

Systems can be used for removing contaminants, promoting adhesion between two surfaces, controlling surface tension, enhancing biocompatibility with using oxygen and various other gas plasmas.

Oxygen plasma generally is used for organic contaminants with chemical reactions and for improving the surface oxidations and the hydroxylations.

Argon plasma is used for surface cleaning via ion bombardment or physical etching.

Vaksis has commercially produced and sold the oxygen plasma surface modification system (pg.3)



Dr. Baybars ORAL
COMPANY MANAGER

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new product

Oxygen Plasma Surface Modification System

Systems can be used for

- removing contaminants,
- promoting adhesion between two surfaces,
- controlling surface tension,
- enhancing biocompatibility with using oxygen and various other gas plasmas.

Technical Specifications:

Base Pressure: 5×10^{-3} Torr
Leak Rate $< 10^{-8}$ Torr.l/s
Mass Flow Controller: 0.2 – 2 Torr
Pump: 1pc. Mechanical Pump
Pumping Speed ≥ 28 m³/sa
Power Generator: 13.56 MHz, 300 W
Valves: Block valves and gas control valves
Control: Manual

The below properties can be chosen optionally.

Base Pressure: 5×10^{-6} Torr
Pump: Turbomolecular Pump
Pumping Speed ≥ 65 l/s
Valves: Gate valve
Control: Full automation



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Vaksis Vacuum Systems Bulletin
Year: 4, No: 10, June 2014

activities

Which we attended...

E-MRS 2014 Spring Meeting
Lille, France (27-29th May 2014)

<http://www.emrs-strasbourg.com/index.php>

E-MRS 2014 Spring Meeting has been held in Lille, France.

Vaksis has joined the conference as a participant.



15th Joint Vacuum Conference
Vienna, Austria (15-20th June 2014)

<http://www.iap.tuwien.ac.at/jvc15/>

The conference that includes all vacuum related areas has been held in Vienna, Austria.

Vaksis has joined the conference and meet the participants at the conference venue.



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Vaksis Vacuum Systems Bulletin
Year: 4, No: 10, June 2014

activities

Which we attended...

International Workshop for Flexible Bio- and Organic Printed Electronics (1-3rd May 2014)

<http://iwoboe2014.wix.com/iwoboe2014>

"International Workshop for Flexiable Bio- and Organic Printed Electronics" has been held at Konya Rixos Hotel & Convention Center by Selcuk University.

Vaksis has supported the workshop as a sponsor and participant. We thank to all the participants that visit our booth.



4th International Conference on Superconductivity and Magnetism (27th April – 2nd May 2014)

<http://icsm2014.org/>

4th International Conference on Superconductivity and Magnetism has been held at Kervansaray Hotel in Antalya.

Vaksis has joined the conference as a participant.



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