

ALD Deposition Systems

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coating technologies

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FlexiVol Series-Systems with adaptable chamber

Versatile chamber with different adaptable volumes providing efficient coatings for samples of various 2D - 3D shapes and sizes.

Technical Data

- Stainless steel chamber.
- Precursors feeding system with 4-8 lines for different precursors (cold and hot).
- Precursors feeding system equipped with fast pneumatic valves.
- Multi-section temperature control:
 - Precursors, heating jackets, range 0-200°C, resolution 1°C.
 - Chamber, range 0-300°C, resolution 1°C.
 - Piping inlet and outlet of the chamber, range 0-150°C, resolution 1°C.
- Base pressure $10^{-1}/10^{-3}$ mbar.
- Tool dimensions, 1000x600x1000mm.
- Control system with touchscreen:
 - System status information: gas flow, temperatures, pressure, and valves.
 - Process monitoring: pressure and temperatures. Deviation alarms and safety locks.
 - Recipes handling and real time monitoring.
- Customized characteristics upon request.
- Automatic Lid and ergonomic desing. Visual and Sound alarms.

Play Series-Standard Systems

Chamber available in customized diameters and height.

Description

- Chamber cylindrical shape and engineered flow pattern homogeneity.
- High versatility for many different substrates and deposition materials.
- Precursors, pump, trap, and control, in separated areas for safety purposes.
- User friendly and easy access to all components.

Additional options

- O₃ generator, plasma source, QCM, feedthrough: electrical, mechanical...

Industrial and non-standard R&D Systems

Contact us with your requirements and we will design your specific system.

