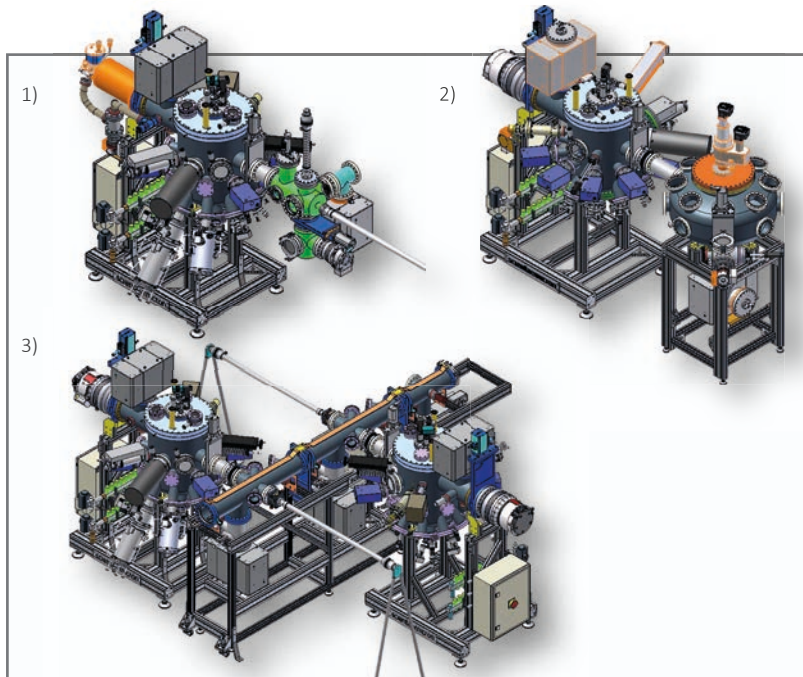
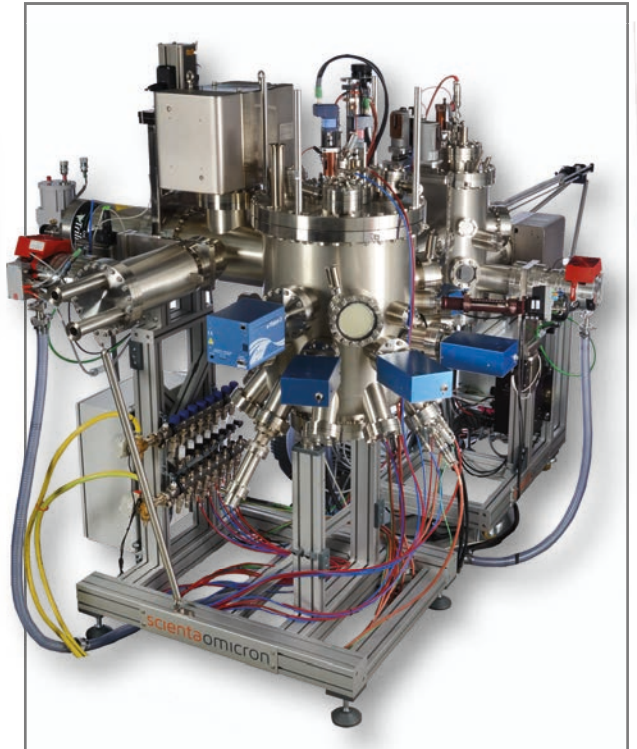


EVO-50 MBE SYSTEM

Next Generation of Customizable MBE Solution



1) Standalone EVO-50 MBE
 2) EVO-50 MBE integrated with radial distribution chamber
 3) EVO-50 MBE integrated with linear transfer line



Versatile configuration options of the EVO-50 MBE system enable high-quality thin film deposition of different material classes, like topological insulators, transition metal dichalcogenides, semiconductors, oxides, Heusler alloys and more.

The EVO-50 MBE-System is designed to fulfil the highest and most stringent requirements of modern thin-film deposition. It is suitable and optimized for the growth of ultra-high purity semiconductors and related material systems.

Due to the small footprint the EVO-50 MBE can be configured to be either a standalone system with a buffer chamber and sample load lock or integrated with a linear transfer line or a radial distribution chamber.

All EVO-50 MBE systems come with the MISTRAL control system together with a powerful evaporation control software. The control system is based on certified standard components for supreme reliability and provides a graphical status overview of all sensor values. With this software bundle, experiments can be conducted under well-controlled and reproducible conditions.

EVO-50 MBE System at a glance:

- MBE system for wafers up to 2" and surface science samples
- Reduced footprint and improved pump efficiency
- In-situ growth monitoring
- Growth process controlled by advanced software

How to contact us:

America



Europe & Africa



Asia & Australia



We have agents and sales representatives around the world - and right next door. Please check our website for your local contact and partner. Many thanks.
www.scientaomicron.com

Technical Data

Property

Vacuum tank:

Pressure:

Pressure sensor:

Cryopanel:

Substrate size:

Source ports:

Viewports:

Software package:

Preconfig. flanges:

Target Specification*

Stainless steel

$< 1 \times 10^{-10}$ mbar

Ion gauge

Doublewalled, designed for LN₂

Up to 2" diameter

Up to 10 ports DN63CF

Equipped with Viewport Shutters

Growth control software included

RHEED

Quartz Micro Balance

Beam Flux Monitor

Quadrupole mass analyser (RGA)

Pyrometer

* Specifications for standard configuration. Customizations can influence specifications. Please contact us for details.

How to contact us:

www.ScientaOmicron.com

info@ScientaOmicron.com