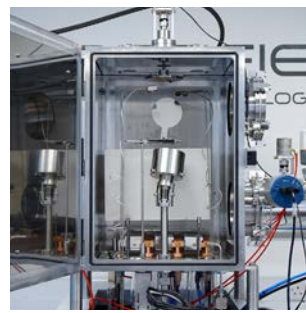
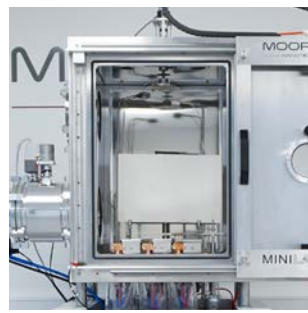


MiniLab by Moorfield.

090 series.





LEFT: MiniLab 090 system for LTE deposition fitted to 4-gloveport glovebox.
CENTRE: MiniLab 090 chamber outside glovebox and with front door opened, revealing thermal evaporation sources inside.
RIGHT: Rear of MiniLab 090 chamber showing rear service door for easy access to chamber interior from outside glovebox.

Flexible, modular systems for high-quality physical vapour deposition.

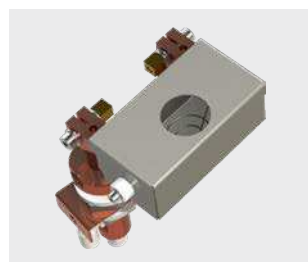
MiniLab systems from Moorfield provide superior coating performance, with the flexibility and modularity of design to address a huge range of customer requirements. The MiniLab range consists of several platforms. Each platform is generally associated with a specific vacuum chamber size. In addition to thin-film deposition, MiniLab systems can also be fitted with complementary techniques such as ion beam sources, etching components, and annealing stages.



Series 090:

MiniLab 090 systems are floor-standing high-vacuum tools for metal, dielectric and/or organics thin-film deposition. All systems contain a box-type stainless-steel chamber with front and rear doors for glovebox integration (see below). The chamber has a high aspect-ratio, ideal for long working distances for high uniformity coating via evaporative techniques. A turbomolecular pumping system is standard, for high-vacuum base pressures of better than 5×10^{-7} mbar. Exact configuration is extremely flexible and dependent on customer budget and application.

- Glovebox-compatible, modular design
- Front-loading box vacuum chamber
- Turbomolecular pumping systems
- Base pressures $< 5 \times 10^{-7}$ mbar
- Thermal evaporation
- Low-temperature evaporation (LTE)
- Electron-beam evaporation
- Magnetron sputtering
- Metals, dielectrics and organics deposition
- Up to 11" diameter substrates
- Touchscreen HMI/PC system control
- Equipped for easy servicing
- Comprehensive safety features
- Cleanroom compatible
- Proven performance



LEFT: Telemark multi-pocket water-cooled electron-beam source.
CENTRE: Moorfield TE1 source for standard thermal evaporation.
RIGHT: Moorfield LTE-ICC source for low-temperature evaporation (LTE) and Moorfield Flexi-Head MAGNETRON source for magnetron sputtering.

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