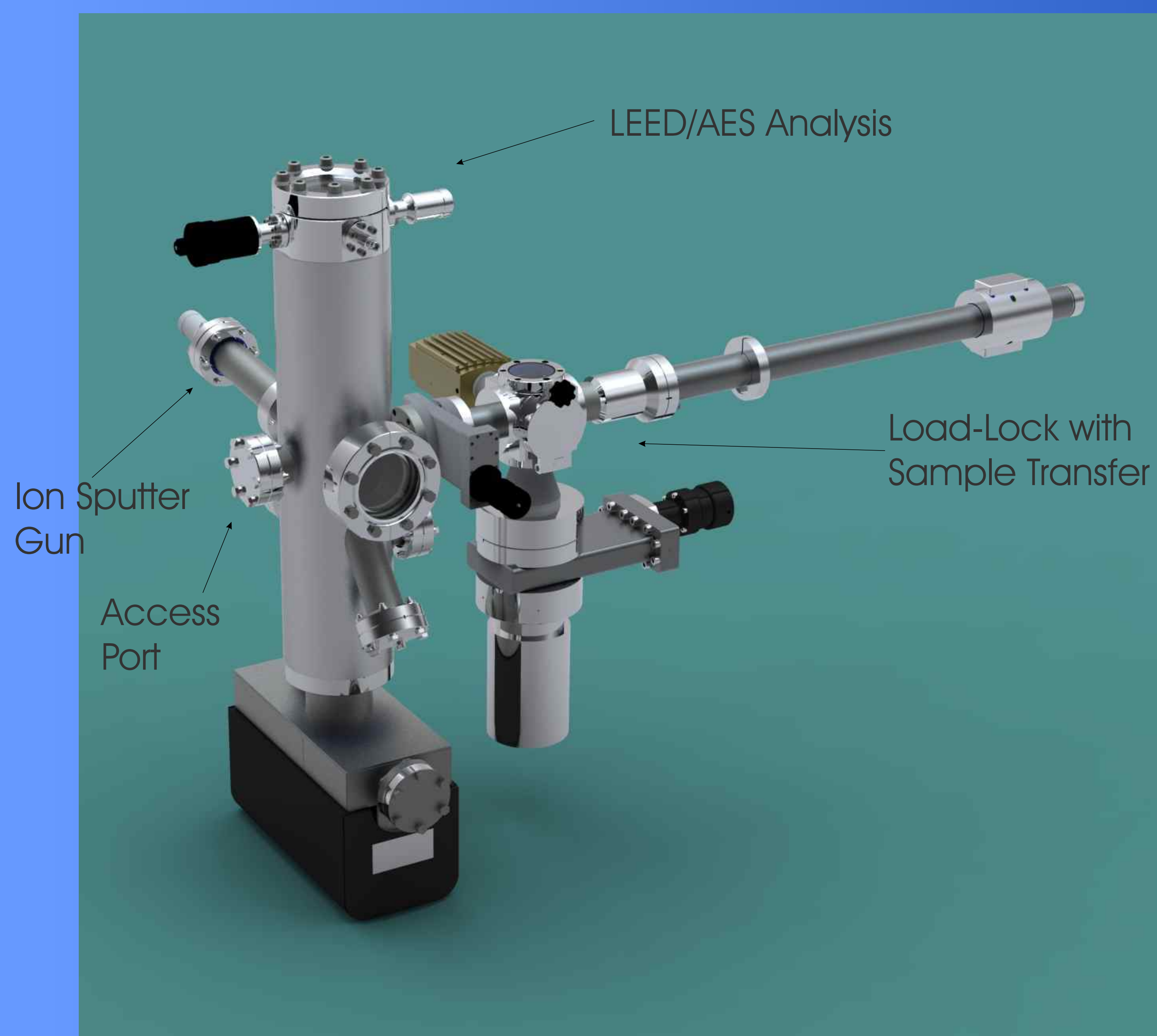


# Mini-Analytical System Model MAS120

## DIAGNOSTICS AND TROUBLESHOOTING OF THE FILM PROCESS:



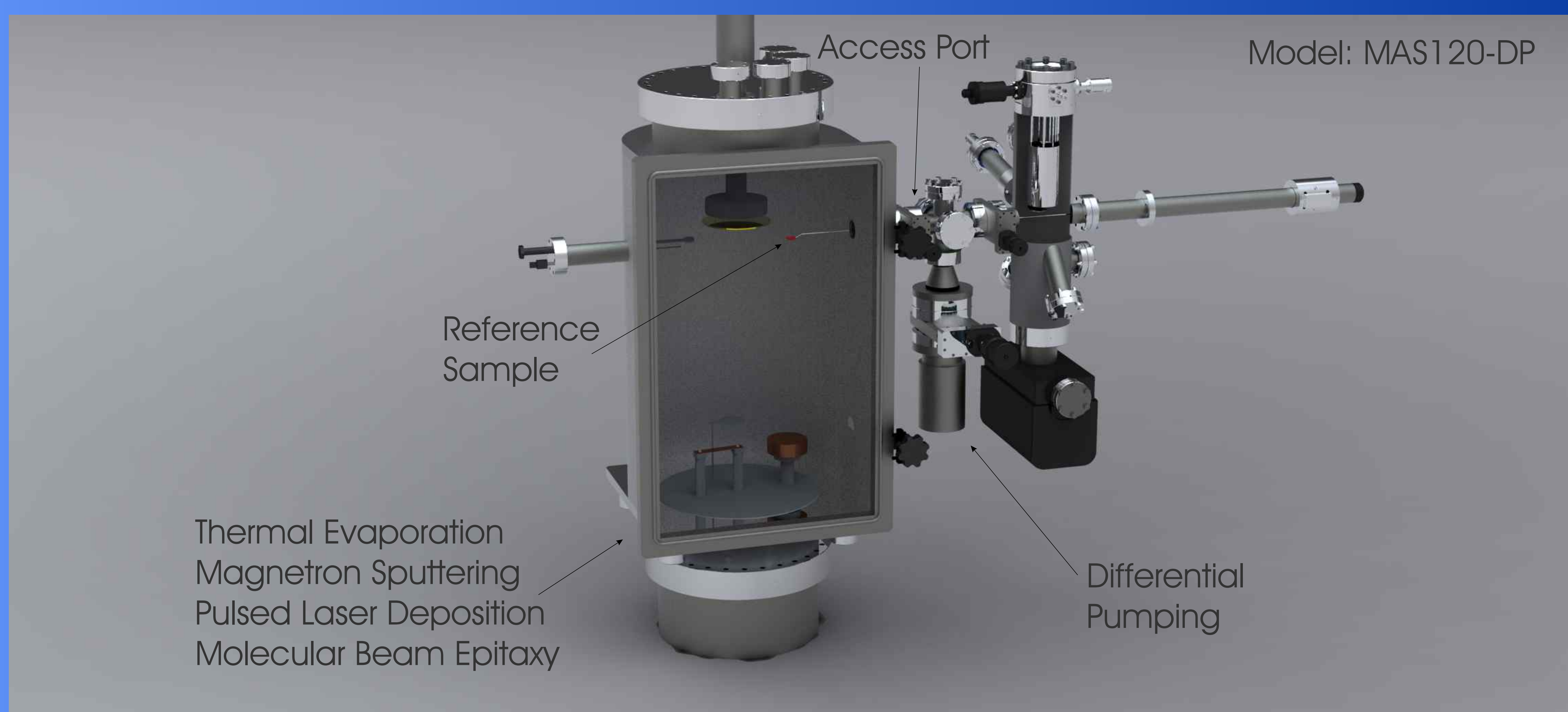
- Purity of Thin Films
- Atomic Composition
- 2-D Crystallography
- Gas Emission and Coating Desorption Characteristics

### TECHNIQUES:

- Auger Electron Spectroscopy (AES)
- Low Energy Electron Diffraction (LEED)
- Ion Beam Cleaning and Depth Profiling
- Thermal Desorption Mass Spectroscopy (Optional)

The single crystal reference sample is transferred to the vacuum deposition system, after the process is complete the coated sample is moved back for analysis. MAS120 module operates independently and will not interfere with the existing deposition process.

## APPLICATION EXAMPLE



MAS120 system can be attached to almost any vacuum deposition system via 2 3/4" (CF35) port.