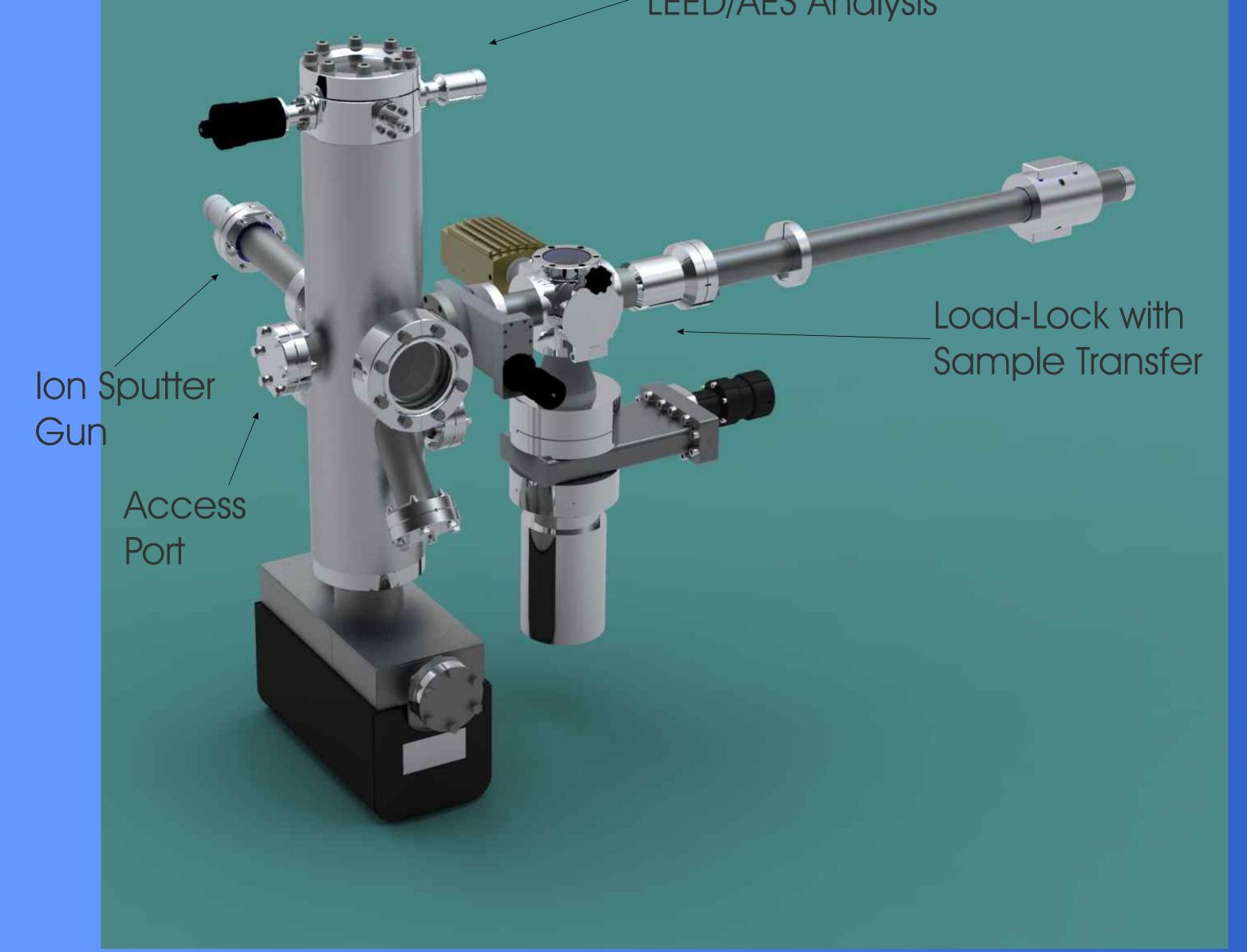
## Mini-Analytical System Model MAS120

## DIAGNOSTICS AND TROUBLESHOOTING OF THE FILM PROCESS:

LEED/AES Analysis

- 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



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



Thermal Evaporation Magnetron Sputtering Pulsed Laser Deposition Molecular Beam Epitaxy

Differential Pumping

MAS120 system can be attached to almost any vacuum deposition system via 23/4" (CF35) port.



 Tel. (519) 457-0878
 Fax (519) 457-0837

 200 Stronach Crescent, London, Ontario, Canada N5V 3A1

 Web Site: http://www.ocivm.com