

ANALYTICAL CHAMBERS

Application

Analytical chambers are designed for applications requiring the investigation of the chemical and physical properties of solid state surfaces, thin films and nano-materials.

They typically have numerous UHV ports for the connection of various types of analytical and spectroscopic instrumentation. Our standard versatile analytical chambers provide enough ports and facilities for most current and future requirements but we will also be happy to fabricate to your individual specifications.

Specification

Analytical chambers are equipped with a range of UHV ports of various standard sizes.

They are designed typically for base pressures between 1×10^{-10} mbar and 1×10^{-11} mbar.

Fabrication is from mu-metal ($B < 0,5 \mu T$ inside) or stainless steel as required.

Analytical chambers are typically equipped with:

- Precision manipulator
- Pumping system (TMP, TSP with cryo-cooling, Ion)
- Viewports
- Pressure gauges
- Different types of analysers
- Ion, electron, ultraviolet, x-ray sources etc.

