

## XPS/UPS (X-ray/Ultraviolet Photoelectron Spectroscopy)



XPS system is an instrument for analyzing the photoelectron emission peaks from the surface of samples, which provide information about what element are present, their relative quantity, and their chemical states.

Our unit is equipped with monochromatic aluminum  $K_{\alpha}$  X-ray source (energy = 1486.7eV).

It is also equipped with a helium-based UV source for UPS (Ultraviolet Photoelectron Spectroscopy) measurement of the valence band electrons.