

Equipment for investigation of mechanical characteristics of thin films NHT, MHT + MST



Application:

Determination of mechanical properties for thin films of inorganic materials (metals, semi-conductors, conductors, magnetic materials, DLC), organic materials (polymers, plastics, paints), ceramics, composites and biomaterials deposited on cylindrical or paralelipipedical samples by ball on disc or pin on disc tests with rotative or linear motion.

Functional parameters:

- Nanoindentation module;
- Micro-indentation and scratch module;
- Control unit and software for acquisition, storage and data processing and the imaging of data with accessories
- Appropriate software for characterization of indentation, scratch, adhesion, modulus, CMX, DMA.