



**ASTEL Ltd.** represents many leading manufacturer companies of scientific equipment in Bulgaria.

### **HORIBA Scientific**

- Elemental analysis, fluorescence, forensics, GDS, ICP, particle characterization, Raman, spectral ellipsometry, sulfur-in-oil, water quality, and XRF.

### **Ocean Optics**

- Miniature fiber optic spectrometers for lab and field
- Optical fibers
- Compact, modular light sources
- Low-cost and innovative sensors

### **Hitachi High-Technologies**

- (S)TEM (Transmission Electron Microscope)
- FIB (Focused Ion Beam System)
- FE-SEM (Field Emission Scanning Electron Microscope)
- SEM (Scanning Electron Microscope)
- Nano-Probing System

### **TESCAN**

- FIB-SEM system (Focused Ion Beam System - Scanning Electron Microscope)
- Electron Beam Lithography systems

### **Asylum Research**

#### **Park Systems AFM**

- Scanning probe and Atomic Force Microscopes (SPM/AFM) for both materials and bioscience applications
- Electrical characterization (CAFM, KFM, EFM),
- High voltage piezoresponse force microscopy (PFM)
- Magnetic force microscopy (MFM)

### **Setaram Instrumentation**

- Thermal Analysis DTA, DSC, TGA, TGA-DTA/DSC, TGA-EGA, TMA, TSC, 3D Calvet
- Calorimetry
- Microcalorimetry
- Non Destructive Assay (NDA) for Nuclear Waste Characterization
- High Pressure Differential Scanning Calorimetry (DSC) & Calorimetry
- Gas Sorption
- Thermal Conductivity

## **Hidden Analytical**

- Quadrupole mass spectrometers for advanced surface science,
- Gas analysis,
- Residual Gas Analysers
- Plasma characterization

## **Adixen – Alcatel Vacuum Technology**

- Vacuum Technology – pumps, pump systems, turbomolecular pump systems
- Leak detectors – helium, hydrogen and refrigerant leak detectors

## **Riber**

- Ultrahigh vacuum (UHV) pumps and components
- Molecular beam epitaxy systems