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SPECS - A Story of Constant Innovation

Located in the middle of Berlin, Germany - a center for the development of modern technology - SPECS GmbH designs and manufactures cutting-edge components and systems for surface analysis and nanotechnology, based on ion and electron spectroscopic methods like XPS, UPS, AES, SNMS, LEED, HREELS and STM. Holding 20 worldwide patents, SPECS stands for constant innovation in technology and quality. More than 40 people work in the headquarters in Berlin, most of them hold a PhD degree and have a scientific background in surface science.

The results of SPECS' continuing research efforts are integrated into applications relevant to scientific research laboratories and the industry. SPECS excitation sources, analyzers and complete surface analysis systems are used i.e. for the control of wafer surface composition, depth profiling of chemical concentration with nanometer resolution or polymer surface composition checks.

With the STM 150 Aarhus SPECS offers an instrument of unique stability and speed for surface mapping with atomic resolution. Atomic growth and catalytic processes on surfaces at different temperatures can be equally observed as the atomic structure of surfaces.

As worldwide sales representative of VTS-CreaTec SPECS also offers a LT-STM for atomic/molecular manipulation used i.e. for lateral manipulation of atoms, formation of atomic scale structures or the controlled change of molecules.

Recently a Low Energy Electron Microscope (LEEM) has joined the SPECS product line allowing in-situ studies of surface dynamical processes, growth and structures. In specially customized systems SPECS also combines different analysis methods to meet even most sophisticated needs of scientists and industry.

Know-How, experience, close contact to influential scientists from all over the world, customer orientation and reliable quality control are the keys to success at SPECS.

An international network of cooperation-, sales- and support partners is ready to assist SPECS customers worldwide.

Please visit our Website www.specs.de or contact SPECS GmbH directly for further information.