

# SPECS Systems

SPECTROSCOPY AND MICROSCOPY UNDER  
NEAR AMBIENT CONDITIONS

## NAP-XPS & NAP-SPM

„In order to understand real world chemical processes, we need to analyze them as they occur in the real world.“

Miquel Salmeron, Berkeley Lab



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SPECS™

## **SPECS leads the way for state-of-the-art technology, cutting-edge components and individually designed complex systems for surface analysis.**

### SPECS Surface Nano Analysis GmbH

SPECS has more than 150 employees at its headquarters in Berlin and its subsidiaries in the USA and Switzerland. The company also has sales offices in Spain and international sales channels in sixteen countries. A team of scientists and engineers are involved in developing and producing scientific instruments for surface analysis, material science and nanotechnology. Since the company was founded in 1983, they have based their success on a continuous growth in experience. SPECS scientists are in close contact with a large number of customers and scientists around the world. SPECS is your essential partner due to our focus on customer support, know-how and their international contacts. Scientists all over the world can rely on SPECS product quality and be inspired by the continuous program of new product development.

Packaging of a SPECS component after final testing

SPECS specialist assembles a high voltage 2D-CCD Detector to a PHOIBOS 150 HV



With the SPM 150 Aarhus (STM & NC-AFM), SPECS offers an instrument of unique stability and productivity for surface studies with atomic resolution. Atomic growth and catalytic processes on surfaces can be equally observed at different temperatures. A second example for a state-of-the-art surface microscope is the Low Energy Electron Microscope LEEM P90, developed in cooperation with Dr. R. Tromp (IBM), which allows in-situ studies of surface dynamical processes, for instance the growth of surface structures.

Those instruments are only two examples from the variety of SPECS products which are continuously widening or revolutionizing the field of applications. See [www.specs.com](http://www.specs.com) or contact SPECS Surface Nano Analysis GmbH directly for further information.