

# **SigmaScan Scanning probe microscopes**

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In talk, the main products of Sigma Scan Ltd. in a field of ultra high vacuum scanning probe microscopy (SPM) will be presented and discussed. Besides, set of SPM applications for atomic scale research in a field of chemical surface reactions will be presented too. Taking into account new ability of SPM in engineering processes [1], the ideas how to create new atomic scale technological procedures under ultra high and extremely high vacuum will be discussed.

1. M.Fuechsle, J.A. Miwa, S.Mahapatra, et al. Nature Nanotechnology, 7 (2012) 242