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JPK Instruments AG is a leading manufacturer of nano-analytic instruments – particularly atomic force microscope (AFM) systems – for research in life sciences and soft matter. One of Germany's most innovative nanotechnology companies, JPK was among the first to recognize the revolutionary opportunities this new field would open up for biomedical and pharmaceutical research and development. From the beginning, JPK has tailored its instrument platforms to meet the challenges in these areas.

JPK has developed powerful, state-of-the-art solutions for high-resolution imaging, force measurement, nano-manipulation and nanoparticle tracking for life science applications. At the centre of JPK's current portfolio are the BioAFM NanoWizard®, the CellHesion® module (for studying cell adhesion and cell mechanics phenomena), and the TAO module (for use in optical spectroscopy). In January 2008, the ForceRobot® was launched on the market as an unrivalled automated force spectroscopy platform (for investigating single molecule folding/unfolding dynamics, binding site localisation and inter-/intramolecular interactions). A unique and versatile optical tweezers and nanoparticle tracking platform NanoTracker™ (for probing nanoparticle cell interactions as well as for studying single molecule mechanics) was introduced to the scientific community at JPK's 1st International Symposium on Optical Tweezers in Life Sciences in May 2008. NanoTracker™ will be available on the market later this year.

Founded in 1999, the company is headquartered in Berlin and maintains a global network of distributors and support centres. Since 2004, the company has run at a profit and is steadily growing. In 2005 it launched nAmbition GmbH, a Dresden subsidiary specializing in the development of nano-instruments for application in molecular medicine and pharmaceutical research. In August 2006, this was followed by the 100% acquisition of Ipi light power instruments GmbH, which is focussing on the development of optical nano-instrumentation for life science applications in research and industry. In September 2007, JPK was nominated as the Number One the fastest growing company of the nanotech industry on the Deloitte Technology Fast 50 ranking, which has been established for the fifth consecutive year. In January 2008, JPK increased its share in nAmbition to 100%. In March 2008, JPK Instruments Limited was established as JPK's third 100% subsidiary company located in Cambridge, UK.