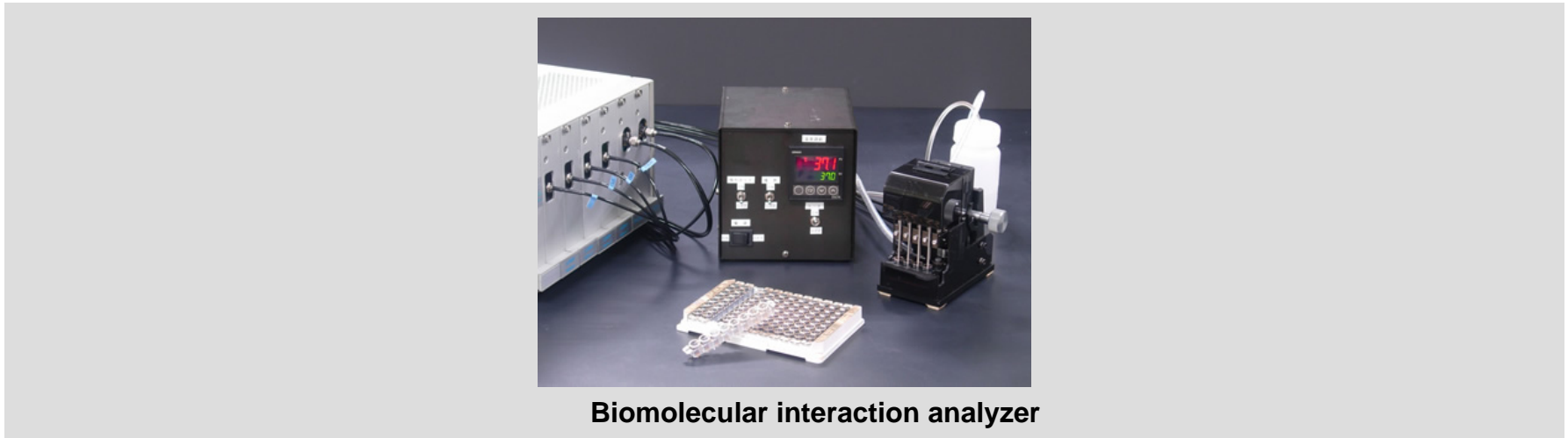


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## Development of biomolecular interaction analysis equipment for simple functional analysis of proteins - Speeding-up proteome research with bio-sensors using the optical characteristics of nanoparticles -



The Mechanical Engineering Research Laboratory of Hitachi, Ltd., has succeeded in the development of a compact and inexpensive biomolecular interaction analysis equipment which employs nanoparticles in the biosensor. This analyzer is able to measure in real-time interactions such as bonding and dissociation, occurring within samples such as proteins, injected into a maximum of 4 disposable sensor cells. Its simple operation and low-price are expected to contribute to facilitating proteome research in universities and research organizations.

Hitachi plans to test market this equipment from July 2005 via "[i-engineering](#)" (in Japanese), the general market platform for Hitachi's MONOZUKURI technology on the Internet, and to work together with customers in the research field to improve and develop an even more easy-to-use and low-cost analyzer.