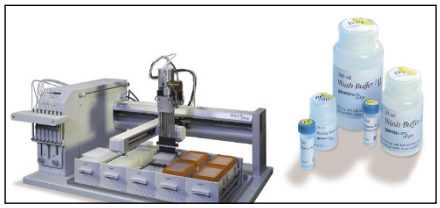
Genetic analysis



SNP accessory

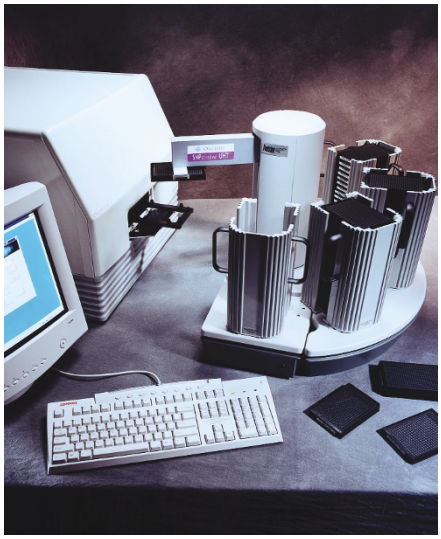
GenoLink, from Bruker Daltonics, is an automated accessory for MALDI-TOF mass spectrometry–based SNP genotyping. It complements the Bruker Daltonics Proteineer suite and the company's MALDI-TOF systems for proteomics to target functional genomics studies in which researchers wish to analyze both genetic variations and protein expression. GenoLink combines semi-automated sample preparation, automated MALDI-TOF analysis, and bioinformatics to achieve very high accuracy with direct label-free SNP genotyping.
http://www.bdal.com

DNA fragments for microarrays

Takara Bio has developed a system capable of the industrial production of a wide variety of DNA fragments for the construction of DNA microarrays. With its unique ICAN (isothermal and chimeric primer-initiated amplification of nucleic acids) technology, it can produce about ten times the volume of DNA fragments per unit volume of reagents than that produced using PCR. A total of 10,000 different types of DNA fragments will be available this year, including DNA fragments already incorporated into the company's IntelliGene microarray from humans, mice, rats, *Arabidopsis thaliana*, *Escherichia coli*, and others.
http://www.takara-bio.co.jp

Microplate adapter

A convenient adapter allows skirted plates from MJ Research to be used directly in Applied Biosystems' ABI PRISM 3700 DNA analyzer. Microplates with full skirts are often required for use with automated workstations, plate stackers, and other robotic equipment. Hard-Shell and Microseal 96-well skirted microplates snap easily onto the aluminum adapter at the height required for automated pipetting.
http://www.mjr.com



Ultra-high-throughput genotyping

Orchid BioSciences' SNPstream UHT genotyping system is the first commercially available platform that can routinely perform nearly 500,000 genotypes in a 24-hour period. An integrated, automated system that combines Orchid's SNP-IT tag array genotyping technology on 384-well arrays with Orchid's proprietary SNPscope reader and universally available plate handling laboratory robotics, the system can perform up to 160,000 genotypes in a single eight-hour shift, but its simplicity and flexibility also enable it to be used for much lower-volume studies, including those involving only 4,000 to 5,000 SNP genotypes.
http://www.orchid.com

SNP detection

Invitrogen's SureScore SNP genotyping kit provides robust, easy-to-use single nucleotide polymorphism detection ideal for low- to medium-throughput studies. It uses a highly specific single-base primer extension technology, and the ELISA-based assay requires minimal optimization. No specialized instrumentation is needed, and the kit includes software for primer design and data analysis.
http://www.invitrogen.com

Image analysis

The Genius range of image analysis systems from Syngene offers powerful resolution and sensitivity for accurate results. Both the GeneGenius and the ChemiGenius^2 are designed with the charge-coupled-device (CCD) camera inside the cabinet to make it compact enough to slide under laboratory shelves, and with an upward sliding door to save bench space. The ChemiGenius^2 also includes Syngene's unique FireWire technology for 16-bit image capture in real time, and is the first CCD system to use it for chemiluminescent and fluorescent applications.
http://www.syngene.com

Integrated genetic analysis

Beckman Coulter's CEQ 8000 genetic analysis system integrates and automates the majority of genetic analysis functions into one flexible, easy-to-use system. With one gel, one array, and one software platform, users can perform DNA sequencing, heterozygote detection, confirmatory sequencing, mutation analysis, allele identification, SNP scoring, microsatellite-instability detection, and AFLP fingerprinting. The capillary electrophoresis–based system delivers both high resolution and high-speed DNA analysis in a single setup.
http://www.beckmancoulter.com