

## New Commercial Products

*Announcements of new commercial products are published by the Journal of Synchrotron Radiation free of charge. The descriptions, up to 300 words or the equivalent if a figure is included, should give the price and the manufacturer's full address. Full or partial inclusion is subject to the approval of the Main Editors, to whom all correspondence should be sent.*

*The International Union of Crystallography can assume no responsibility for the accuracy of the claims made.*

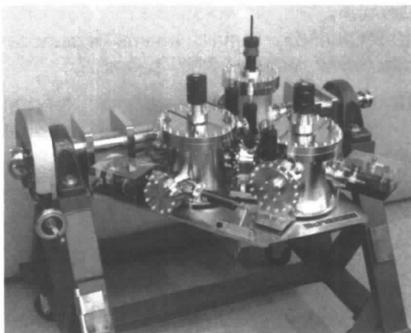
*J. Synchrotron Rad. (1997). 4, 313*

### Advanced Investigation of Stray Light

A New McPherson 1800 rotatable UHV double-monochromator system has been delivered to the radiometry laboratory at the Berlin Electron Storage Ring BESSY. To determine stray light components in laser, absorption and other spectrometry, McPherson builds small and large double-monochromator systems with known stray light rejection.

Demands for accurate calibration and standards for the 35–250 nm region prompted the Physikalisch Technische Bundesanstalt to purchase this ultra-high-vacuum double spectrometer. It will assist in characterizing beamline monochromators at the BESSY synchrotron that are dedicated for use in detector and light-source calibration.

Detectors are calibrated by comparing their spectral response to monochromatic



1800 Rotatable UHV double monochromator.

radiation with the response of the primary detector standard. In the past, rare ionization chambers were used as primary detector standards in the vacuum UV spectral range. Thermopiles were used to extend calibration capability to wavelengths above 100 nm where ionization of rare gases failed to be efficient.

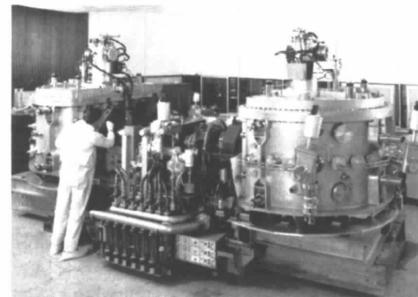
*McPherson Inc., 530 Main Street, Acton, MA 01720, USA.*

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### Oxford Instruments Helios 2

Oxford Instruments have been awarded a contract to supply Helios 2 to the National University of Singapore. The

system will form the centrepiece of a new purpose-built national synchrotron radiation facility, with users drawn from both the university and industrial sectors. Helios 2 will be delivered during the summer of 1998.



Helios 2.

To enable it to take a more central role in this technological revolution, Oxford Instruments will itself become a user of the new facility. A team of engineers and scientists within our newly established Singapore subsidiary, Oxford Instruments Pte, will conduct a development program on micromachinery and nanotechnology, so-called MEMS technology, aimed at markets in instrumentation, healthcare and industrial measurement, for example to explore the potential of devices such as medical sensors.

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