

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.

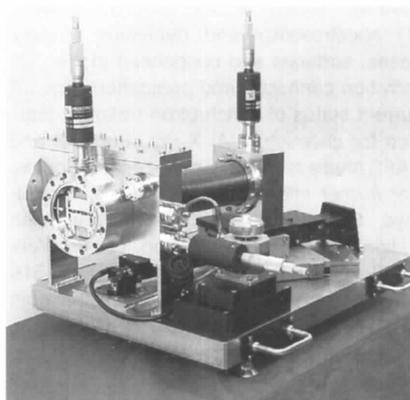
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J. Synchrotron Rad. (1995). **2**, 118

Direct-Reading Soft X-ray Spectrometer – New and Improved Direct-Reading Multichannel Instrument

The classical 1 and 2.2 m grazing-incidence monochromators/spectrographs from McPherson have newly developed features:

- New multichannel detectors with external tangent adjustment means.
- New aperture systems for effective beam restriction.
- New drive systems for wavelength/eV selection.



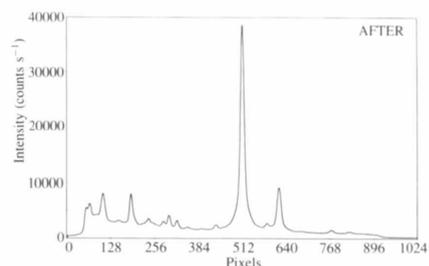
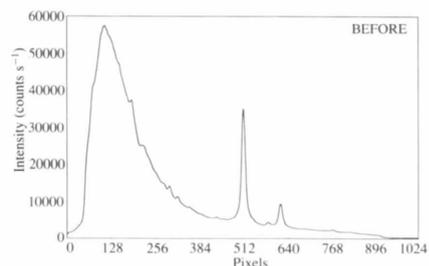
Improved 248/310G spectrometer.

- New reverse mounting feature for light sources. With a traveling light source, mounted on the Rowland-circle carriage, the instrument can serve as variable emitter.
- New entrance section with provisions to mount multi-filters and differential pumping sections.

All MCP-equipped new versions of the Models 247 and 248/310 contain and are delivered with factory suggested or customer specified stands and pumping systems for VUV or UHV.

Dramatic improvement of signal to noise and suppression of background make these X-UV instruments powerful tools for the wavelength range between 10 and 2000 Å.

The background suppression of formerly common stray light phenomena is depicted in the 'before' and 'after' charts below.



Background suppression.

McPherson, 530 Main Street, Acton MA 01720, USA