

Commercial Announcements

Departments Editor's Note: This column is reserved for the commercial use of individuals and firms providing products or services to the powder diffraction community. Press releases and new product announcements are appropriate and welcome. The insertions, up to 300 words or the equivalent if a figure is included, should give a price, if appropriate, and the contributor's full name and address. Full or partial inclusion will be on a space-available basis at the editor's discretion, with preference given to advertising agencies and companies that purchase advertisements in *Powder Diffraction*. Send contributions to the departments editor. *Powder Diffraction* can assume no liability for the accuracy of the claims made.

Spex International New International Office

Edison, New Jersey, October 10, 1985 . . . Spex International, Inc., the export subsidiary of SPEX Group, Inc., has established a new European/Far East sales headquarters in Winchester, U.K. Dr. John F. Clarke has recently joined SPEX Industries, Inc. as Director of Export Sales — Spex International, Inc. based in Winchester. Dr. Clarke will be responsible for sales coordination and support as well as service support for SPEX' direct sales subsidiaries and distributors throughout Europe, the Middle East, Africa and the Far East.

The new U.K. office of SPEX International is located at: Spex International, Inc., City House, City Road, Winchester, Hampshire S0238SD England Telephone: 44 962 562 88; Telefax: 44 962 524 13; Telex: 477-408 SPXINT-G. The Winchester offices will be staffed with service engineers and will provide centralized inventory of parts and subassemblies for use in the territories.

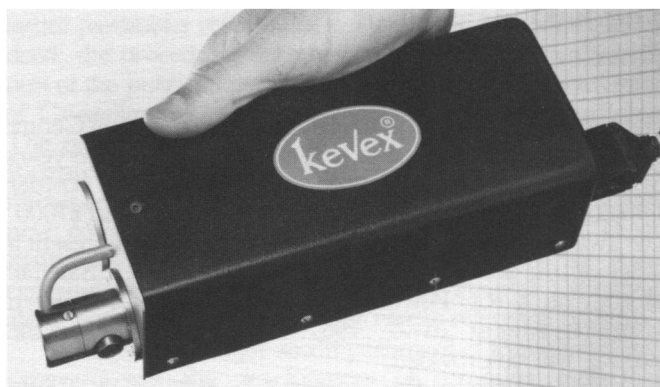
PD23

KeveX Corp. X-Ray Tube Division Highly Stable Portable X-Ray Sources

KeveX X-Ray Tube Division, designer and manufacturer of O.E.M. X-ray equipment, has developed a highly stable, highly reliable series of Portable X-Ray Sources (PXS's) which are considerably smaller and lighter than conventional X-ray equipment. These new PXS units combine the high voltage power supply, X-ray tube, and support electronics into one small package eliminating the need for high voltage cables and connectors. A typical 50 kilovolt, 1 milliampere PXS weighs only 10 lbs. (4.6kg) and takes up just a little more room than a conventional X-ray tube.

Output powers of 70kV, 100 μ A to 60kV, 1mA are available. KeveX guarantees that the output will not vary by more than .2% of the maximum relative standard deviation over any 4 hour period in 24 hours.

Portable X-Ray Sources have applications in X.R.F. elemental analysis, powder diffraction, and on-line process control, where reliability and repeatability of test conditions are important.



Other available options include end window design X-ray tube, fast on-time, 24 volts D.C. input, water cooling, and a 110 volt A.C. control unit allowing adjustment and readout of voltage and current.

For further information about the Portable X-Ray Sources and KeveX' complete line of X-ray equipment, please write to KeveX Corporation X-Ray Tube Division, 320 El Pueblo Road, Scotts Valley, CA 95066 or call (408) 438-5940.

PD24

EG&G ORTEC New Automatic EDS Analyzer Model 6150

EG&G ORTEC has introduced its new Model 6150, a complete system for automatic, nondestructive chemical analysis of production and research materials containing elements sodium through uranium. Analysis is performed simultaneously on all elements. The 6150 is an energy dispersive X-ray spectrometry system which may be used to perform quantitative analyses, determine elemental composition and measure alloy film thickness.

Only the 6150, with exclusive NEC personal computer, provides simple push button analysis — even for "unknowns". A unique regression analysis (ATAC) uses a suite of similar standards for fast, accurate unknowns analysis. Fundamental parameters software (FPT) automatically recalibrates and determines elemental composition with no standards or one standard within minutes.

A wide dynamic range permits analysis from a new parts per million to 100% for atomic elements 11 through 92. All data is automatically stored for immediate recall or comparative analysis.

PD25

Radix Instruments Announces Software Version 4 for DATABOX

Radix Instruments announces software version 4.0 for the DATABOX, a stepping motor controller/data acquisition system for X-ray diffraction. Significant new features include: full on/off support, user-defined angular limits, im-

proved data plotting formats, and several new commands intended to facilitate multi-axis stepping and complete computer control of the DATABOX. The price for the automation package, including the stepper motor, is still \$4000.

Along with the software upgrade, Radix also now offers the DATABOX bundled with MDI's peak identification and JCPDS search/match software, which runs on any IBM PC or compatible. With these analysis tools, the user can automatically or manually pick out individual peaks in the raw diffraction pattern, then identify specific phases from a JCPDS or custom subfile, all while the DATABOX is collecting even more data. The total package is available for only \$10,500, a significant savings over the combined separate prices.

For more information, contact: Radix Instruments, 1019 Stratford Avenue, South Pasadena, CA 91030 (818) 441-5351.

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