New Commercial Products

Announcements of new commercial products are published by the Journal of Applied Crystallography *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 Editor's approval and to the space available. All correspondence should be sent to the Editor, Dr A. M. Glazer, Editor* Journal of Applied Crystallography, *Clarendon Laboratory, University of Oxford, Parks Road, Oxford OX*1 3*PU, England.*

The International Union of Crystallography can assume no responsibility for the accuracy of the claims made. A copy of the version sent to the printer is sent to the company concerned.

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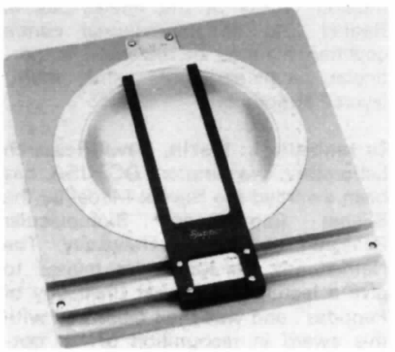
Circular Film Measuring Instrument Determines Spatial Relationships Accurately

A circular film measuring instrument for use with film up to 5″ square that permits the determination of lattice dimensions to better than 5 parts in 1000 accuracy is available from Charles Supper Company, Inc. of Natick, Massachusetts.

The **Supper Circular Film Measuring Instrument** consists of a cast aluminium base with a glass window, a circular frame that rotates 360° and a sliding cursor plate with an etched hairline. Sliding on a millimeter scale calibrated to 0·5 mm with a vernier, the cursor intersects the circular frame whose position is indicated by a 0 to 360° scale, calibrated to 5 min with a vernier.

Permitting the determination of lattice dimensions with better than 5 parts in 1000 accuracy, both scales on the Supper Circular Film Measuring Instrument may be read to 0·002 mm by interpolation. The base measures only 10″ × 11″ and can fit on top of virtually any light box. Applications include film interpretations requiring precise angular measurements such as X-ray crystallography.



The Supper Circular Film Measuring Instrument

The Supper Circular Film Measuring Instrument sells for $950. Literature is available upon request.

Charles Supper Company, Inc., Lee R. Supper, Marketing, 15 *Tech Circle, Natick, MA* 01760, *USA*

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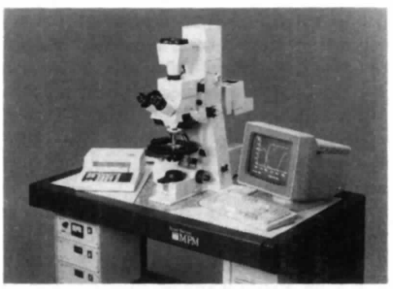
Zeiss Introduces New Top-of-the-Line Microscope Photometer Systems

Carl Zeiss introduces two new microscope photometer systems, the **MPM 400** and the **MPM 800**, which are all-purpose high-resolution instruments for all applications of microscope photometry in research and routine. The wide spectral range from UV to NIR — 240 mm to 2100 nm (MPM 800) — and the resolution in the highly dynamic measuring range allow very precise measurements far beyond the possibilities provided by TV image analysis.



Carl Zeiss MPM 400/800 microscope photometer

Some important applications of the new Zeiss photometers are forensic investigation (*e.g.* fibers, traces of paints, documents, banknotes), materials research, masks and contamination in semiconductor production, proof of damage to plants in environmental research, fluorescence and absorbance measurements in basic medical research and high-precision absorbance measurements of masks and films in industry. The pharmaceutical industry and petrol and coal research are further important fields of appplication.

The new microscope photometer systems from Zeiss feature much better fluorescence applications and operator convenience than earlier configurations. As integrated systems, they are complete work stations which include all components and accessories. Full-fledged research microscopes featuring familiar ICS optics from Carl Zeiss and all state-of-the-art documentation facilities form the basis of the systems.

For the MPM 400 and MPM 800 microscope systems, Carl Zeiss supplies both flexible universal PC software and programs specially tailored to routine applications. All microscope and measuring functions can be controlled automatically *via* the computer and reproduced at any time. Clear user guidance is provided by the monitor.

For both microscope photometer systems, Carl Zeiss supplies optional scanning stages with special software, covering travel ranges of up to 8″ × 8″.

Carl Zeiss, Postfach 1369/1380, *D*-7082 *Oberkochen, Germany*

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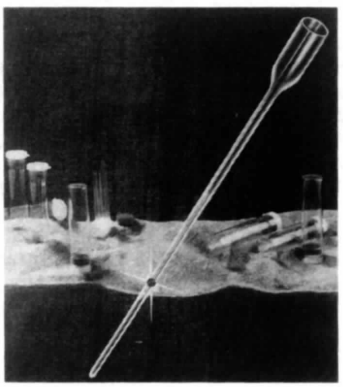
Hilgenberg MARK-Tubes for Debye-Scherrer

Hilgenberg announces production of extremely thin-walled glass capillaries with a funnel at one end and closed tips. The lower part has a well defined diameter. The tubes are manufactured out of the following glass types: Lindemann, borosilicate, sodalime glasses and quartz, with a wall thickness of 0·01 mm.



A Hilgenberg MARK-tube

Hilgenberg MARK-tubes can be closed tightly against moisture and gases, and are suitable for use wherever small fragile objects are studied, especially small crystals and powdered materials that are sensitive to air, moisture or temperature. In addition, a crystal preparation and filling apparatus especially adjusted for these tubes is available.

Hilgenberg GmbH, Strauchgraben 2, *D*-3509 *Malsfeld, Germany*