

### **Thermo Electron announces a new spectroscopy sampling accessories and supplies catalog**

A catalog featuring FT-IR, FT-IR microscopy, FT-NIR and Raman spectroscopy accessories, supplies and consumables is now available from Thermo Electron Corporation.

Thermo's *Sampling Accessories and Supplies Catalog* contains a detailed product index and also offers a comprehensive glossary with in-depth information on relevant techniques.

The catalog goes beyond the scope of Thermo's products by also including accessories that can be used on most commercial FT-IR spectrometers. A wide variety of sample preparation tools, supplies and consumable items are also available.

Each product page contains a picture and description of the accessory and the types of samples the accessory can analyze.

For more information, call +1 800 532 4752 or e-mail [analyze@thermo.com](mailto:analyze@thermo.com).

### **Thermo Electron Corporation**

Madison, Wisconsin, USA

## **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 manufacturer's full address. Full or partial inclusion is subject to the approval of the Editor, to whom all correspondence should be sent. The International Union of Crystallography can assume no responsibility for the accuracy of the claims made.

### **PANalytical – celebrating over 50 years of innovation in analytical X-ray**

2004 is a Golden Jubilee year for PANalytical. It is 50 years since the company started manufacturing the PW1050 goniometer and the PW1520 spectrometry module.

The PW1050 goniometer was at the core of the X-ray diffractometer which rapidly became the industry standard. In addition, the PW1520 spectrometry module in combination with the PW1050 formed the nucleus of the world's first commercially available X-ray fluorescence spectrometer.

The history of PANalytical and its involvement in X-ray analysis goes back considerably further than 50 years. The company, formerly Philips Analytical, emerged from Philips activities in the development, manufacturing and marketing of X-ray tubes and equipment.

In 1948 it was North American Philips Corporation (Norelco) that was responsible for the very first commercially available X-ray diffractometer. However, the quantum leap in performance came by combining the newly developed tube technology with the goniometer's vastly extended scan range in an integrated system.

The safer operation that this system allowed and the higher quality data it produced paved the way for X-ray diffraction to become a standard analytical tool. Many X-ray analysts performed their first diffraction experiments using the PW1050. Very soon after the introduction of the PW1050 goniometer, the system was developed further to include a modular spectrometry option – the PW1520, which allowed elemental analysis using X-ray fluorescence spectrometry. This instrument was able to make measurements in air of all naturally occurring elements, from uranium down to chlorine.

Guido Eggermont, PANalytical's Commercial Director, commented, "The PW1050 became the centerpiece for a wealth of innovations and rapid developments, establishing PANalytical's leadership in the field of X-ray materials research. We are very proud of this history and of the innovative spirit within our company that is its legacy. Moreover, we embrace the responsibility that comes with it."

### **PANalytical**

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