

# European Powder Diffraction - EPDIC 5

Eds. R. Delhez and E.J. Mittemeijer

Proceedings of the Fifth European Powder Diffraction Conference held in Parma, Italy, May 1997

Materials Science Forum Vols. 278-281

Publication Date: June 1998

ISBN 0-87849-807-9

2-Vol. Set, 1008 pp, CHF 420.00 / US\$ 350.00

Please order  
by mail, fax,  
e-mail or via  
Web from:

**Trans Tech Publications Inc.**  
Post Box 669, May Street  
Enfield, NH 03748  
USA  
Fax (603) 632-5611  
E-Mail [ttp@ttp.net](mailto:ttp@ttp.net)  
Web [www.ttp.net](http://www.ttp.net)

**Trans Tech Publications Ltd.**  
Brandrain 6  
CH-8707 Uetikon-Zuerich  
Switzerland  
Fax +41 (1) 922 10 33  
E-Mail [ttp@ttp.ch](mailto:ttp@ttp.ch)  
Web [www.ttp.ch](http://www.ttp.ch)

**Trans Tech  
Publications**

**ttp**

## Powder Diffraction File™

### The Powder Diffraction

File (PDF) is the most comprehensive database for single-phase powder diffraction patterns.



### PDF-2 Database Release 1998

The new PDF-2 Database Release 1998 includes, for the first time in PDF history, calculated patterns obtained from the Inorganic Crystal Structure Database (ICSD).

Approximately 40,000 compounds of the powder patterns were calculated from the atomic coordinates, of which 8,000 are totally new entries.

Integrating ICSD data into the PDF was possible because of a recent cooperative agreement between the International Centre for Diffraction Data and the Fachinformationszentrum, Karlsruhe, Germany (FIZ).

### International Centre for Diffraction Data

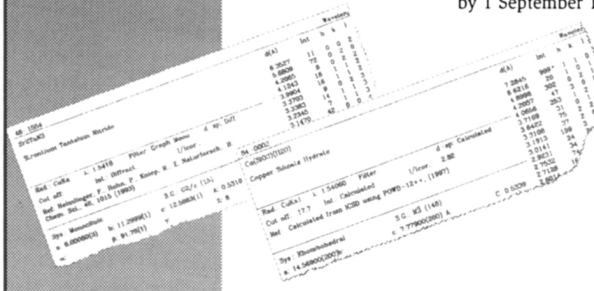
12 Campus Boulevard  
Newtown Square  
PA 19073-3273  
USA

(610) 325-9810  
FAX: (610) 325-9823  
Internet: [info@icdd.com](mailto:info@icdd.com)  
[www.icdd.com](http://www.icdd.com)

The new calculated patterns are set up in such a way that the user will be able to easily crosslink to the original crystal structure (licenses for both the PDF and the ICSD databases are required).

As in previous years, an additional 2,500 patterns have been added to the PDF. Sets 1-48 contain more than 68,000 experimental patterns.

PDF-2 Release 1998 will be available  
by 1 September 1998.



1998 Denver X-ray Conference Booth #3, 4

## INDEX TO ADVERTISERS

Bede Scientific .....	A13
Blake Industries .....	A12
Bruker AXS .....	Cover 2
Brush Wellman .....	A14
Diffraction Technology .....	A6
Gem Dugout .....	A10
Huber Diffraktionstechnik GMBH .....	A8
IC Laboratories .....	A14
ICDD .....	A16, 130
Inel Inc. ....	A11
KeveX .....	A12
Kratos Analytical .....	A15
LND Inc. ....	A12
McCrone Scientific .....	A10
Oxford Cryosystems .....	A7
Philips Analytical .....	A2
Rigaku .....	A4
Rontgenanalytik Messsysteme Software .....	A16
Scintag .....	Cover 4
Seifert X-Ray Corp .....	Cover 3
Sietronics Pty Limited .....	A1
Spex Industries .....	A9
TEC .....	A17
Tom Baum Service & Sales .....	A10
Trans Tech Publications Ltd. ....	130
X-Ray Optical Systems .....	A17

## Advertising Sales Office

American Institute of Physics  
500 Sunnyside Boulevard  
Woodbury, NY 11797-2999  
Telephone (516) 576-2440  
(800) 247-2242  
Fax (516) 576-2481

Advertising Manager:  
Advertising Sales Representative:  
Production Manager:

Richard Kobel  
Nancy Kuhle  
Betty Aroesty

# XRD TUBES

## SEIFERT

- Extra large and extra thin Be-window for a high intensity X-ray beam, specially suited for long fine focus applications.
- Razor sharp focal spots ensure beam brilliance.
- Spectral purity
- Efficient cooling system for extended anode life.
- Full line of tubes  
5 different focal spots,  
7 different target materials,  
2 different anode lengths,  
compatible with European style towers.
- Designed and manufactured under ISO 9001 standards.  
Backed by a world wide warranty of 2500 hrs.



- World wide fast and friendly service, available through SEIFERT authorized service stations and re-sellers.



On the Internet: [sxc1965@aol.com](mailto:sxc1965@aol.com)

# SXC

**SEIFERT X-RAY CORPORATION**  
2551 Industry Lane P.O. Box 294 Fairview Village Pennsylvania 19409  
TEL 6 10-539-4700 TWX 5 10-660-0568 FAX 6 10-539-6031

# You requested it, we built it.

Over 20 years of experience, innovation, and customer suggestions have been integrated into our latest product.

With this in mind, we are proud to introduce,

# The X<sub>2</sub> System



D.C.O.P.S.  
(Digitally Controlled Optical  
encoder Positioning  
System)

Unsurpassed  
Mechanical  
Stability and Precision

Continuously Variable  
Divergent and  
Receiving Slits

High Power Aircooled  
X-ray Generator

High Count Rate  
Computer Controlled  
Peltier Solid State  
Detection System

100% made in the US

Combine these advancements with our Windows NT (32 bit) software package, and you have the best diffraction system available.

For more information on the X<sub>2</sub> and other Scintag products, visit our website at [www.scintag.com](http://www.scintag.com) or call us at 408-253-6100.