





AAS



HPLC



ICP-OES







ICP-TOFMS



Rheometry



UV-Vis

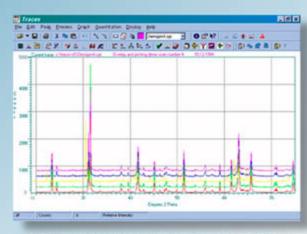


XRD

Its many advantages include:

- Interchangeable parallel beam and focussing geometry with variable radius.
- Interchangeable powder stage, Eulerian (Texture) Cradle, high temperature stages, auto sample changers.
- Parallel beam detector with 0.4 degree collimator and LiF monochromator.
- Focussing detector with interchangeable Soller-slit and Graphite monochromator.

- Both detectors can be permanently mounted.
- XOS[™] polycapillary optic giving a 10x10mm quasi-parallel beam.
- X-Ray fluorescence detector for simultaneous XRF and XRD as an aid to quantitative identification.
- Revolutionary Harmonic gearbox goniometer.
- Software controlled shutter.
- Lightweight (<100kg) and ideal for field use.



Traces: the latest in state-of-the-art XRD software



Interchangeable parts means versatility



IGBT Technology

0.005% for full load change

0.005% for 10% rms line change

3.0kw

0-60kv

0-80mA 230 VAC +- 10%

0.03% rms

0.002° 120°/min

LiF crystal

to 50000 CPS

Area Detectors

Chi +105° to -155°

Pre-aligned dovetail

Graded d-spacing mirror

Fluorescence Detector

cross section

Computer Controlled

to 2kV

Phi 360° Chi 0.002° Phi 0.008

0.01% over 8 hours

Independent axes Zero Backlash

Twin co-axial harmonic

180 to 250mm, variable

-30° to 160°, depends on focussing configuration

with multi-pass averaging 0.0002°\min to 60°\min

Interchangeable slit focussing, parallel (polycapillary) optic & mirror

Graphite with removable soller slit, Glancing Incidence with

Standard Stage, Eulerian Cradle

Xe proportional, Be Window

MBraun 50mm linear PSD

Micro-thin bearing and timing belt

Soller Slit and interchangeable slits

XOS® Polycapillary with 10 X 10mm

many custom stages can be fitted.





HPLC





ICP-TOFMS



Rheometry



UV-Vis



XRD

X-Ray Generator

Goniometer

Type Max. Power kV range mA range Power Stability

Ripple Long Term Stability

Radius Range

Type

Min. Step Size Slow Speed Scanning Speed

Optics

Monochromators

Stages

Detectors & Counting Electronics

Eulerian Cradle

Optics

Options

Detector Type Linearity HV PHA

Option

Type Ranges

Min Step Sizes

Slit Holder

Parallel Beam

Options Type

Options

Si PIN Diode Peltier Cooled, mounted on Screw - in slide mount Amp/Power Supply/Interface/ software/MCA Board included

Options - Auto Loader Type 5 Samples, rotary High Temperature Stages

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Controlled environment stages