SINCE 1887



STADI MP

UNIQUE MULTI-PURPOSE POWDER DIFFRACTOMETER OFFERING THREE GEOMETRIES

We offer for all STOE parts in this product, the new and unprecedented:

10 YEAR | STOE PARTS & LABOR GUARANTEE

For terms and conditions, please send an email to: terms@stoe.com

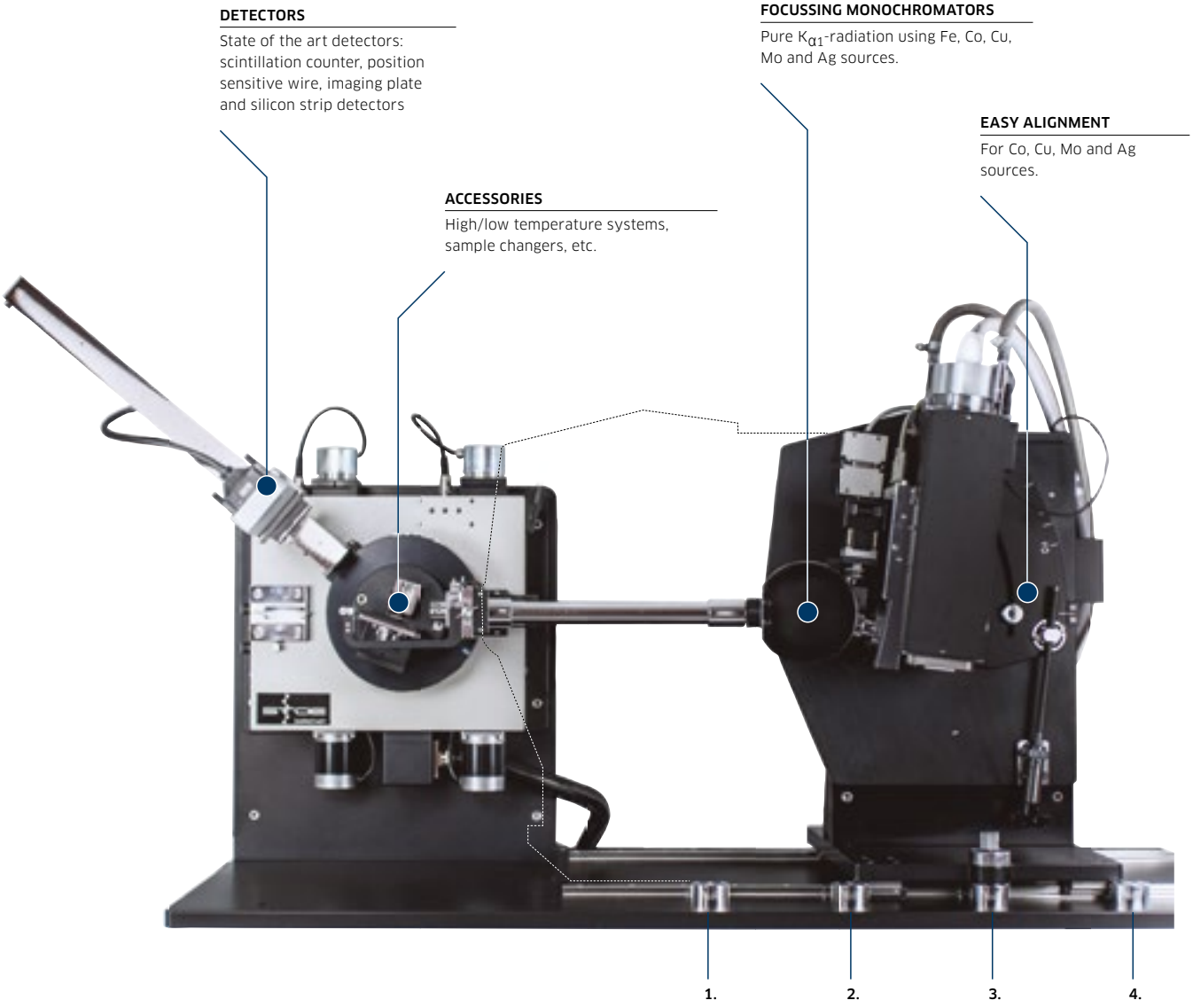
POWDER DIFFRACTOMETRY

- Transmission | Debye-Scherrer, High Flux and Bragg-Brentano modes
- No realignment necessary when moving from one geometry to another
- All geometries running with pure Co, Cu, Mo or Ag $K_{\alpha 1}$-radiation
- State of the art detectors: Scintillation counter, position sensitive wire, imaging plate and silicon strip detectors

YOUR PARTNER IN X-RAY DIFFRACTION

STOE & Cie GmbH | WWW.STOE.COM

STADI MP
ONE DIFFRACTOMETER, THREE GEOMETRIES



STADI MP

- Various state of the art detectors
- High and low temperature attachments
- Transmission / Debye-Scherrer, High Flux and Bragg-Brentano mode
- Geometry selection by sliding tube housing
- No realignment after changing geometries
- All geometries running with pure Co, Cu, Mo or Ag $K_{\alpha 1}$ radiation

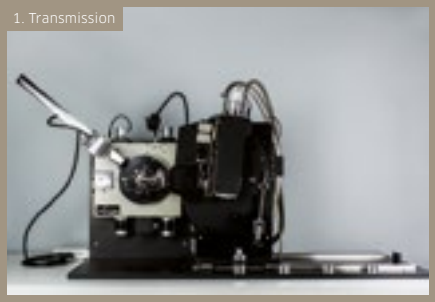
STOE has developed a new type of diffractometer that gives you more versatility and superior performance than any other system on the market. **STADI MP** combines the three most common diffractometer configurations: Transmission geometry, Bragg-Brentano geometry and a set-up for micro-diffraction (High Flux).

ONE GONIOMETER - THREE GEOMETRIES:

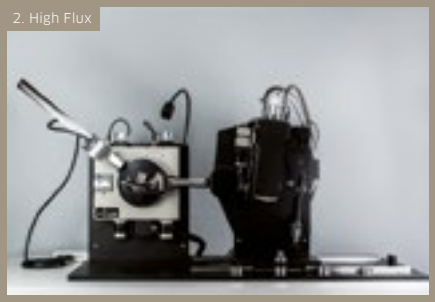
1. Transmission
2. High Flux
3. Bragg-Brentano | Low Resolution
4. Bragg-Brentano | High Resolution

BRAGG-BRENTANO, MICRO-DIFFRACTION AND THE ESTABLISHED TRANSMISSION GEOMETRY INVENTED BY STOE, COMBINED IN ONE INSTRUMENT

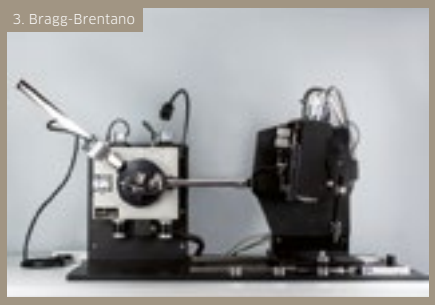
1. Transmission



2. High Flux



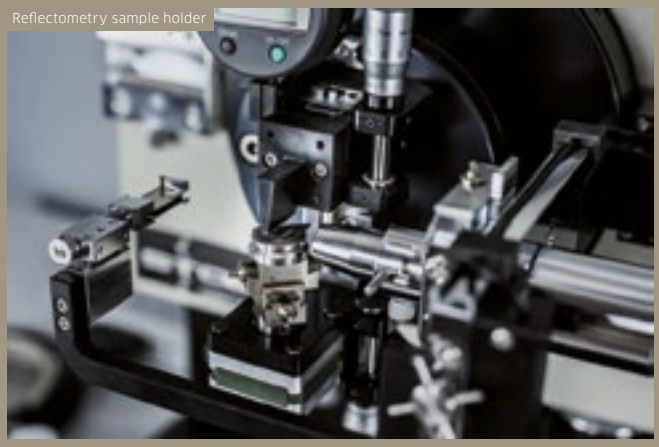
3. Bragg-Brentano



4. Bragg-Brentano | High Resolution



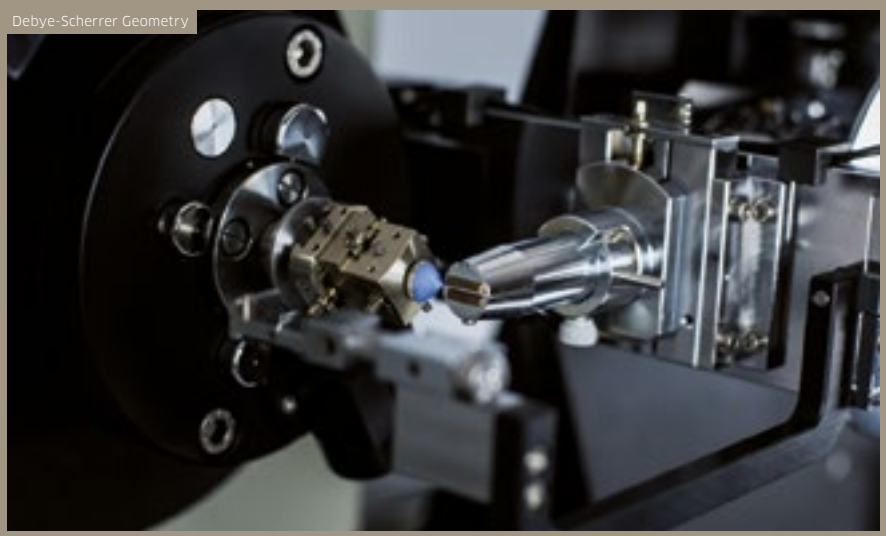
Reflectometry sample holder



Advantages of Transmission-/ Debye-Scherrer geometry

1. Reliable intensities over the full 2θ scale
2. Real microsampling possible
3. No height displacement
4. Smallest 2θ angles possible
5. Easy handling of air-/moisture sensitive or hazardous materials

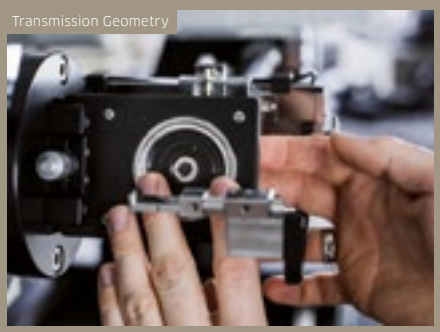
Debye-Scherrer Geometry



Evacuable Beamguide



Transmission Geometry





SPECIFICATIONS

Dimensions (including system cabinet, max.)	1800 x 880 x 2050 mm
Weight (complete system)	670 kg
2θ range	-10° to +140° or better, depending on selected geometry
Goniometer	2 circles
Radius of measuring circle	140 mm to 573 mm depending on selected geometry and detector
Radius of focusing circle	80 mm or 160 mm depending on selected geometry
X-ray sources	Sealed Tubes: Co, Cu, Mo, Ag
Software	WinX^{POW} package
Detectors	• Silicon strip detector MYTHEN 1K • STOE linear wire PSD • Curved IP-PSD (80° or 140° aperture) • Point detectors
Accessories	• High and low temperature attachments for reflection and capillary samples • Reaction chamber for reflection samples • Various sample stages • Various sample changers

Specifications without obligation and subject to change without notice.

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