SINCE 1887

STADI P

THE RAPID, COMPREHENSIVE MODULAR SYSTEM WITH UNSURPASSED RELIABILITY

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

- Pure $K\alpha_1$ radiation using Co, Cu, Mo and Ag anodes
- Ultra high resolution (FWHM<0.03° 2θ)
- Transmission-/Debye-Scherrer or Bragg-Brentano mode
- PDF calculation using Ag $K\alpha_1$ data

YOUR PARTNER IN X-RAY DIFFRACTION

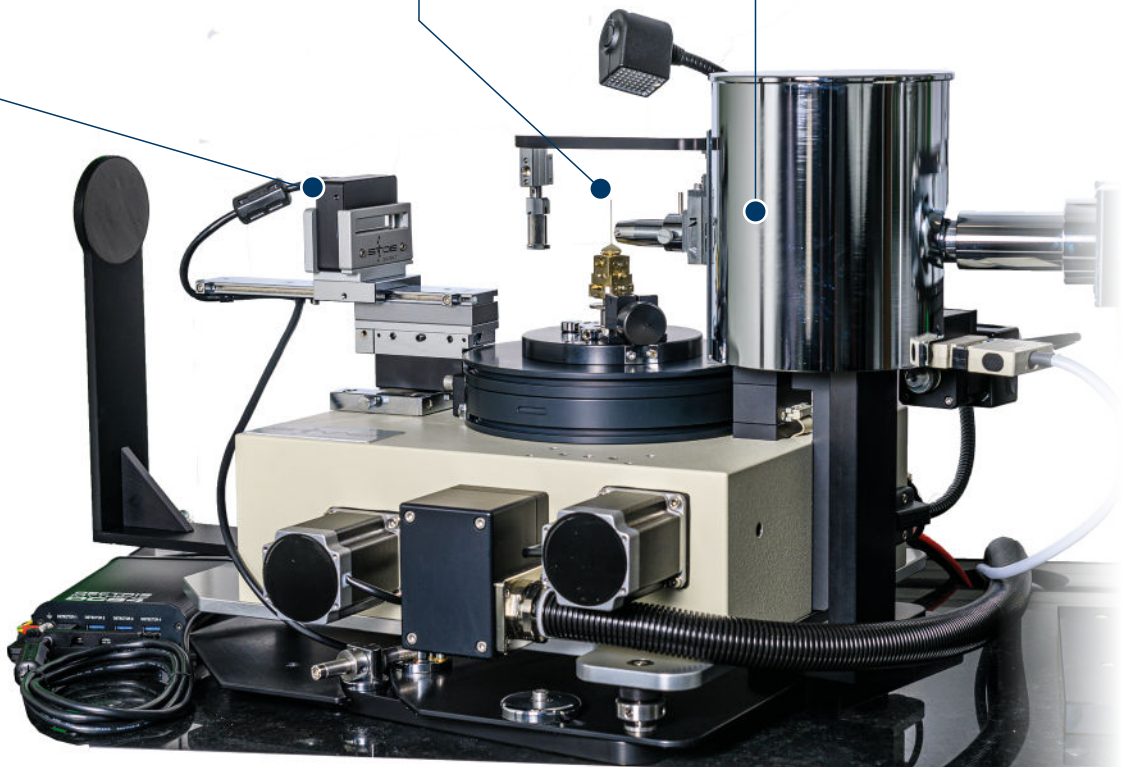
STOE & Cie GmbH | WWW.STOE.COM

STADI P
THE EXTREMELY VERSATILE DIFFRACTOMETER SYSTEM

DETECTORS
State of the art detectors: Silicon strip detectors or point detector.

ACCESSORIES
Customized high/low temperature systems, sample changers, etc. are available for each geometry.

FOCUSSING MONOCHROMATORS
Pure $K\alpha_1$-radiation using Co, Cu, Mo and Ag sources.



The very reliable, high-precision two circle goniometer is the basis of a whole range of x-ray powder diffraction solutions.

Vertically or horizontally mounted, the **STADI P** can be built-up in different geometries: Transmission/Debye-Scherrer, Reflection/ Bragg-Brentano or both. Two **STADI P** goniometers, either in the same or different configurations, can be mounted in the same cabinet resulting in two completely independent units. Moreover, two goniometers can share one source.

The **STADI P Combi** has been designed for high-throughput and combinatorial analysis.

STADI P

- Various state of the art detectors
- Pure $K\alpha_1$ radiation using Co, Cu, Mo and Ag sources
- The ultimate platform for laboratory PDF calculations using Ag $K\alpha_1$ data
- Transmission / Debye-Scherrer or Bragg-Brentano mode
- Ideally suited for the analysis of air/ moisture sensitive and micro samples
- High and low temperature attachments

STADI P COMBI

- 96-fold sample stage – user definable x/y grid
- Pure $K\alpha_1$ radiation using Co, Cu, Mo or Ag sources
- Transmission geometry

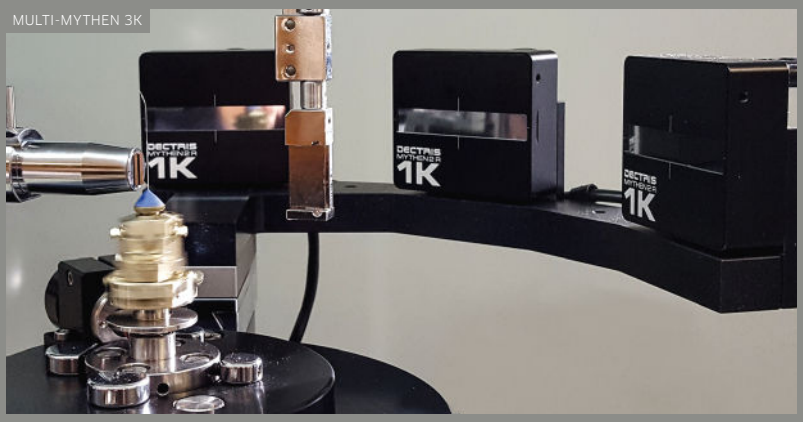
WHY MEASURE POWDER IN TRANSMISSION-/ DEBYE-SCHERRER GEOMETRY?

1. Same sample volume in the beam over the full 2θ scale
2. Reliable intensities with no necessity for further mathematical corrections
3. No line broadening for weak absorbers
4. No height displacement
5. Real micro-sampling possible
6. Lesser effects of preferred orientation

Transmission Mode

MULTI-MYTHEN 2K/3K/4K
IF ONE MYTHEN IS NOT FAST ENOUGH

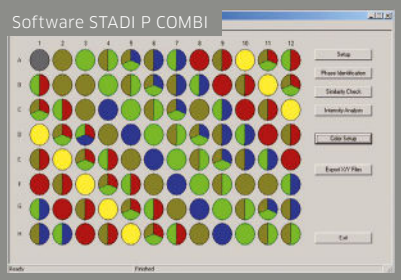
Ideal for capillary measurements, all STOE furnaces and the INSITU HT2 heating and reaction chamber



MULTI-MYTHEN 3K

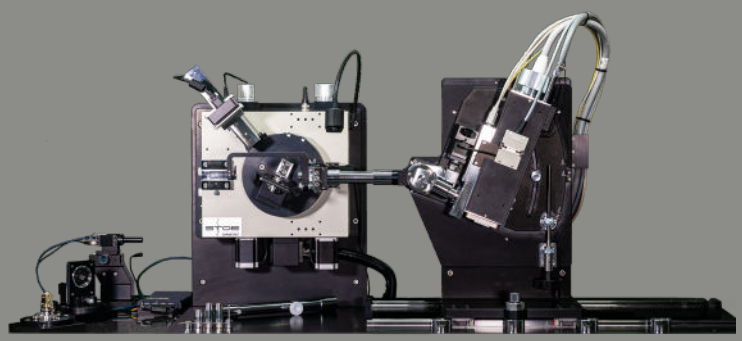
STADI P COMBI
DIFFRACTOMETER FOR COMBINATORIAL AND HIGH-THROUGH-PUT ANALYSIS

STADI P COMBI


Software STADI P COMBI

Also available as **STADI MP**
One diffractometer – three geometries

- Transmission / Debye-Scherrer, High Flux and Bragg-Brentano mode
- Geometry selection by sliding tube housing without realignment
- All geometries running with pure Co, Cu, Mo or Ag $K\alpha_1$ radiation



STADI P SETUP	SOURCES	OPTICS	DETECTORS
Transmission	sealed tube Ag, Mo, Cu, Co	primary monochromator	MYTHEN 1K, 2K, 3K, 4K
Debye-Scherrer	sealed tube Ag, Mo, Cu, Co	primary monochromator	MYTHEN 1K, 2K, 3K, 4K
Bragg-Brentano	sealed tube Ag, Mo, Cu, Co	none, primary monochromator, secondary monochromator, mirrors	MYTHEN 1K, point detectors
Combi	sealed tube Ag, Mo, Cu, Co	primary monochromator	MYTHEN 1K
Dimensions (including system cabinet, max.): 1800 x 880 x 2050 mm, Weight: 780 kg (depending on configuration)			

Specifications without obligation and subject to change without notice.

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