



# **D8 ADVANCE**

For the Applications of GIXRD, XRR, HRXRD, Roehring Curve, Stress, RapidRSM

- D8 large cabinet and enclosure
- 3 kW Generator with internal cooling unit
- 220/380-230/400V 3p 50/60Hz, 6Kva
- 10m power cable for 220/380-230/400V 3p 50/60Hz, 6KVA
- 4-axes motor driver board - Vertical goniometer
- Tracks Theta-Theta, inc. Theta-Theta ring for vertical goniometer
- Tube mount adapter incl. optical bench position for line focus optics Cu
- Storage rack for optical components
- Spacer for measurement height 258mm, primary beam path
- Optical bench, secondary
- Storage rack for channel-cut monochromators
- Universal detector mount without slit
- LynxEye XE holder 0 deg
- Tube mount, one motorized and one manual degree of freedom
- Accessory set for 2-bounce monochromator
- Mount for primary rotary absorber or UBC
- collimator, measurement height 258mm
- Spacer for measurement height 258mm, secondary beam path
- Spacer for universal detector mount, measurement height 258mm
- Counter balances for D8 Theta-Theta, tube and detector circle, measurement circle >600mm
- Ceramic tube, long fine focus, Cu, 2.2 kW
- 2-bounce Monochromator
- ACC2 (Ge004) - Goebel mirror for Cu, 60mm length, sealed
- Mount for UBC collimator with Rotary
- Absorber, affixed to track
- Ni filter for Cu-K $\beta$  radiation, 0.02mm - Axial Soller - 2.5°
- Soller Slit 2.5 deg for LynxEye XE
- Cu absorber 0.1mm for the LYNXEYE XE detector
- Diagonal slit 1mm - Micro mask 1mm diameter
- UBC collimator, short, 2.0mm, for Goebel Mirror, Montel, or DAC
- Plug-in slit 6mm
- Plug-in slit 2mm
- Plug-in slit 1.2mm
- Plug-in slit 1mm
- Plug-in slit 0.6mm

- Plug-in slit 0.2mm
- Plug-in slit 0.1mm
- UMC 1516, motorized XYZ-Phi-Chi drives, Theta/Theta (5 free ports on E03 required)
- 5" vacuum chuck, rotating, complete
- Reference crystal Si( 111) for HRXRD
- Reference crystal Si(001) for HRXRD
- Spacer for measurement height 258mm, secondary beam path
- PATHFINDERPlus with 2-bounce Ge(022), automated 1-fach Absorber and motorized slit (2 free ports on E03 required)
- LYNXEYE-2 detector with 500 micrometer sensor and 0/90 deg mount
- Computer, international version, international operating system
- DIFFRAC.MEASUREMENT CENTER - DIFFRAC.LEPTOS
- Automated Workflow Solution
- Contour package for display of Wafer Map Results
- WIBU Dongle for DIFFRAC.SUITE