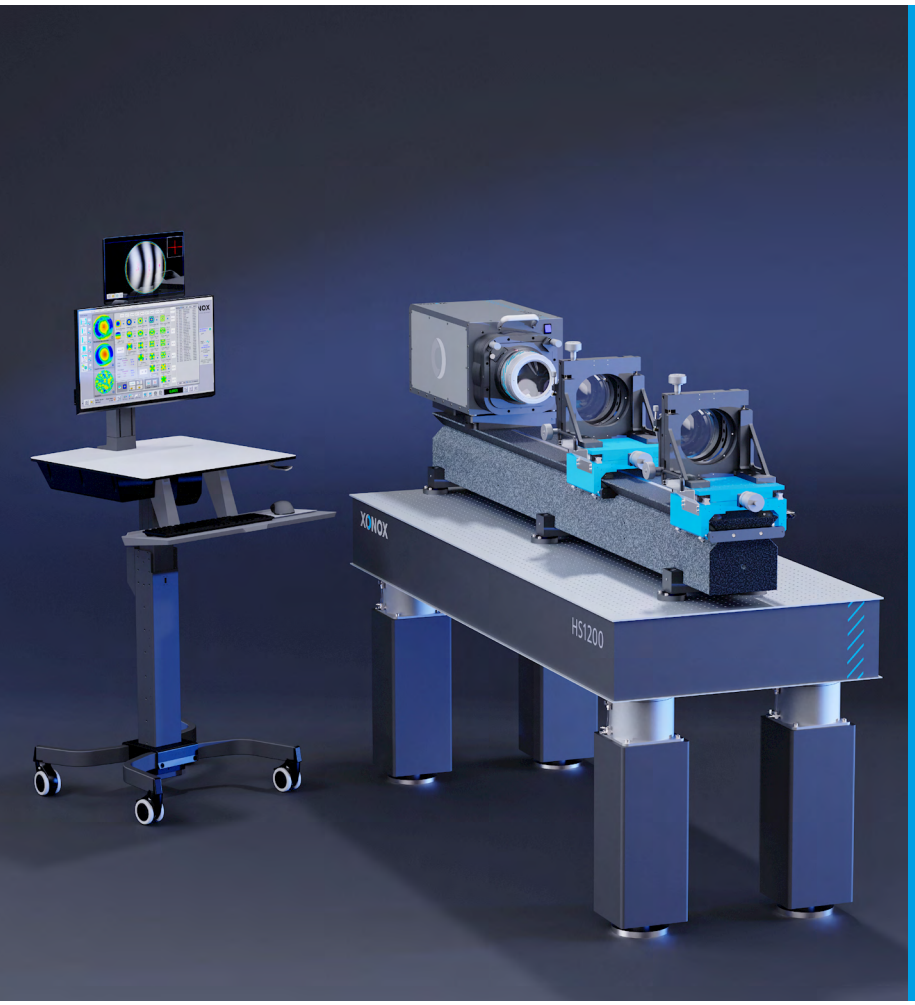
HS 1200



HORIZONTAL INTERFEROMETER SYSTEM

_ precision interferometer tower for production-, quality in-spection- and metrology lab environments

_ exceptionally large measuring range for radii up to 1400mm

_ natural granite column with extremely flat and precise guiding surfaces provide for ease of use and very accurate measurement of radius of curvature on optical components

_ highly precise and accurate linear scale with exceptional resolution, directly interfaced to fringe analysis software

_ measurement table is guided on air bearing slide for quick, easy and accurate setup and movement

_ additional 5 axis fine adjustment (X-Y-Z-tip/tilt)

_ rigit and maitenance free design

_ XONOX **X-fiz 100** (4" & 5.2") or **X-fiz 150** (6") high performance Fizeau interferometer with 5MPX CMOS camera, electronic control of zoom, focus and contrast/saturation

_ innovative, powerful and user friendly fringe analysis system **X-fringe PS2** with different smart and intelligent modes to suit various applications

_ system can be equipped either with optional PC table, 2 screens, mouse and keyboard

_ additionally available in a "workstation only" version „B" for integrating existing or 3rd party interferometer units

_ light version is made for mounting on customers existing optical table. HS1200 full version is available including vibration dampened plattform.

WORKING RANGE	min. 1200mm travel (1400mm linear scale range), up to 200mm test diameter (depending on used TS and partholder) + micrometer fine adjustment for easy and precise setting of catseye and confocal position Distance between column and optical axis = 175mm allows for lodaing workpieces up to Ø350mm - adaptation diameter for lens holders = Ø152.4mm
VERSIONS	_ **HS1200**light **PS2** with XONOX **X-fiz 100 (4" & 5,2") / X-fiz 150 (6")** with eletronic zoom, focus and contrast (saturation) controll and 5MPX CMOS camera. Phase shifting fringe analysis system XONOX **„X-fringe PS2"** and piezo phase shifter XONOX **„X-phase PMR"** _ **HS1200**light **B** „workstation only" version for integrating existing interferometer units. Optionally with XONOX fringe analysis system X-fringe PS2 and X-phase PMR phase shifter.
MEASURING SYSTEM	incremental high precision linear measuring system with PC interface and temperature expansion compensation function (standard) / alternatively laser distance measuring system (option)
MEASURING ACCURACY	approx. 500kg
DIMENSIONS (WxDxH)	2500 x 320 x 620mm (additional space required for, PC-table (optionally available) and vibration dampening platform/optical table which is **not** included in light version
WEIGHT	linear scale: up to +/- 0.7µm per 500mm @ 20°C, up to 0.1 µm resolution (standard 0.5µm)
CONNECTIONS	110-240 V / 50-60 Hz, compressed air: 6 bar

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iQC READY

XONOX
METROLOGY FOR OPTICS REDEFINED