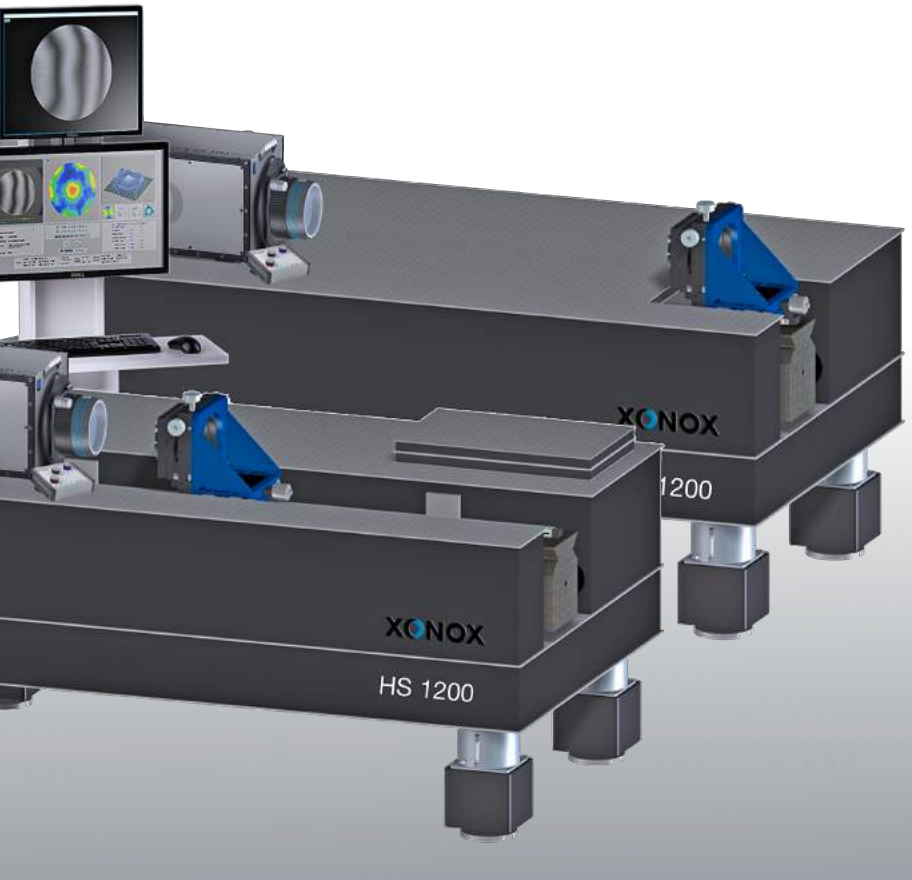


HS 1200

HORIZONTAL INTERFEROMETER SYSTEM



- _ precise horizontal interferometer system for laboratories, R&D, optical workshops and quality inspection
- _ fully functional optical table in combination with high precision linear axis embedded in optical table
- _ vibration damping and level regulating system for perfect usage in R&D as well as industrial environment
- _ linear measuring slide guided by precision air bearing for quick, easy and accurate movement
- _ natural granite column with extremely flat and precise guiding surfaces for high precision radius of curvature measurements on optical components and precise linear setup's
- _ high precision incremental linear scale with highest resolution and direct software interface
- _ innovative attachment „SRM plus“ with precision gauge for highly accurate radius of curvature measurements on short radii and micro optics
- _ XONOX X-fiz 100 (4“) or X-fiz 130 (5.2“) high performance Fizeau interferometer with electronic control of optical zoom (1x to 10x), focus and contrast
- _ innovative, powerful and user friendly fringe analysis system X-fringe2 with different smart and intelligent modes to suit various applications
- _ choose from low cost „ST“ version with static fringe analysis up to high performance „PS2“ phase shifting version
- _ additionally available in a “tower only“ version „B“ for integrating existing or 3rd party interferometer units or version „Z“ equipped with ZYGO Verifire and ZYGO MX fringe analysis software

WORKING RANGE	min. 1200mm travel (1400mm linear scale range), up to 200mm test diameter (depending on used TS and part holder) + micrometer fine adjustment for easy and precise setting of cats eye and confocal position
VERSIONS	<ul style="list-style-type: none"> _ HS1200 ST with XONOX X-fiz 100 (4“) / X-fiz 130 (5.2“) with 10x optical zoom and static fringe analysis system XONOX „X-fringe ST“ _ HS1200 ST PS2 with XONOX X-fiz 100 (4“) / X-fiz 130 (5.2“) with 10x optical zoom, phase shifting fringe analysis system XONOX „X-fringe2“ and piezo phase shifter XONOX „X-phase PMR“ _ HS1200 ST Z with ZYGO Verifire 4“ or 6“ interferometer unit and Mx / MetroPro phase shifting fringe analysis _ HS1200 ST B „tower only“ version for integrating existing interferometer units. Optionally with XONOX fringe analysis system X-fringe ST or X-fringe PS with X-phase PMR phase shifter.
MEASURING SYSTEM	incremental high precision linear measuring system with PC interface + attachment SRM-plus for short radius measurement (option) or laser distance measuring system (option)
MEASURING ACCURACY	up to +/- 0.7µ per 500mm , up to 1 nanometer resolution
DIMENSIONS (WxDxH) / WEIGHT	2500 x 1200 x 1200 mm when using touch screen for fringe analysis (additional space required if PC is used for fringe analysis, XONOX PC-table optionally available) / approx. 900kg
CONNECTIONS	110-240 V / 50-60 Hz, compressed air: 6 bar
COLOR	Light grey RAL 7035