PI 500



PLANO INTERFEROMETER SYSTEM

_ precise vertical interferometer for testing flat optical components and plano multiple blocks

_ part holder with air bearing for easy movement even of heavy workpieces for fringe analyzing in different positions

_ tip-tilt unit for easy adjustment of fringes, integrated in moveable part holder

_ precision, vibration dampened measuring table made ofnatural granite with high flatness for comfortableanalyzing in different positions without loosing fringes

_ adjustable interferometer height for setting best position for different workpiece thicknesses

_ XONOX **X-fiz 100** (4" & 5.2") **X-fiz 150** (6") high performance phaseshifting Fizeau interferometer with 5MPx Cmos camera, stabilized diode laser and electronic control of zoom, focus and contrast

_ Optionally available beam expander 4" to 5.2" with 5.2" transmission flat for upscaling X-fiz 100

_ Optionally available beam expander 6" to 8" with 8" transmission flat for upscaling X-fiz 150

_ 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 PC table, 2 screens, mouse and keyboard or with built-in PC and and touchpanel for optimized operation and minimized space requirement in production environment

WORKING RANGE	up to workpiece diameter / diagonal of 550mm
VERSIONS	_ **PI 500** with **X-fiz 100 4"** interferometer, **X-fringe PS2** fringe analyzing system - optionally available beam expansion to 5.2" _ **PI 500 XL** with **X-fiz 150 6"** interferometer, **X-fringe PS2** fringe analyzing system - optionally available beam expansion to 8" _ **PIS00 B** ,,platform only" version for integrating existing interferometer units. Optionally with XONOX fringe analysis system X-fringe PS with X-phase PMR phase shifter.
DIMENSIONS (WxDxH)	850 x 1100 x 2150 mm when using touch screen for fringe analysis (additional space required if PC is used forfringe analysis, XONOX PC-table optionally available)
WEIGHT	approx. 700kg
CONNECTIONS	110-240 V / 50-60 Hz, compressed air: 6 bar
COLOR	Light grey RAL 7035

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iQC READY

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METROLOGY FOR OPTICS REDEFINED