



SPI INTERFEROMETER

CHECK FLATNESS OF NON-REFLECTIVE OR REFLECTIVE SURFACES.

- ACCURATE
- COST EFFECTIVE
- EASY TO READ
- COMPACT



Lapmaster International's SPI Interferometers with grazing incidence are an inexpensive, fast and accurate means for flatness inspection of ground, fine ground, lapped or polished parts. Flatness readings of non-reflective ground surfaces on all materials are clearly displayed as easily read fringes* on an accompanying monitor. Eliminate secondary polishing operations, where polishing is performed only for the purpose of checking for flatness with optical flats (secondary polishing can alter flatness characteristics of the original lapped or ground surface). Whether used directly next to the lapping, fine grinding or grinding machine, or in the inspection lab, Lapmaster SPI interferometers are a cost effective solution for simple flatness qualification requirements.

AVAILABLE OPTIONS

- Thermal printer to provide documentation of flatness readings.
- Frame grabber card and software allowing the display, storage and interpretation of flatness interferograms within a Windows operating environment on a PC. This system permits the user to objectively interpret the interferogram using a grid measurement system, as well as print, store and export the information into a bitmap format (JPEG and BMP).

SPECIFICATIONS

	SPI 75	SPI 130
MEASUREMENT AREA (DIAMETER)	75 mm O.D.	130 mm O.D.
FLATNESS OF REFERENCE SURFACE	Better than 0.15µm (micron)	
DIMENSIONS IN MM (L X W X H)	340 x 200 x 240	550 x 280 x 350
WEIGHT	9kg	26kg

* Contact Lapmaster International to receive a light band (fringe) reading chart.

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Lapmaster has a policy of continued development and the specifications outlined above are subject to change without notice.