

μPhase® FST H100 / H100 A / H100 Z

Horizontal

Digital Compact Interferometer



FST 100 for measuring flat and spherical surfaces, as well as optical systems in transmission with 10-100 OD.

FST 100 A for measuring rotation-symmetrical aspheres with 10-80mm OD.

Universal 4" system for measuring large diameter plano surfaces, spherical surfaces and optical systems. Modularity allows easy change of lenses and fitting of further components.

The horizontal setup offers all the capabilities for conventional interferometry such as measuring large radii with the integrated magnetic length measurement encoder. The system can be easily configured for measuring wavefront deviation of optical systems in transmitted light.

Rails with integrated radius measuring units are available in different lengths and with fully adjustable sample holders.

Compatibility with existing commercial 4" Fizeau lenses possible.

The FST H100 system is available in three configurations:

FST H100

Conventional setup for measuring flat and spherical surfaces, as well as optical systems in transmission with 10-100mm OD.

FST H100 A

Optional setup based on the FST 100 for measuring rotation-symmetrical aspheres from 10-80mm OD with CGH.

FST H100 Z

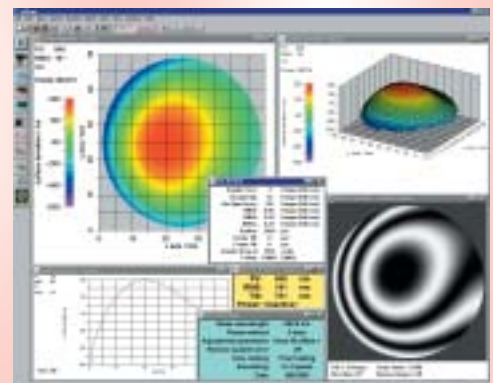
Optional setup based on the FST 100 for measuring cylindrical surfaces with CGH.

μShape™ Interferometry software for measurement and analysis

Developed and optimized by FISBA for Digital Compact Interferometry:

μShape™ Basic for cost-effective solutions: turns your μPhase® into a digital test glass

μShape™ Professional for the most exacting requirements and for flexible adaptation to task-specific measuring systems.

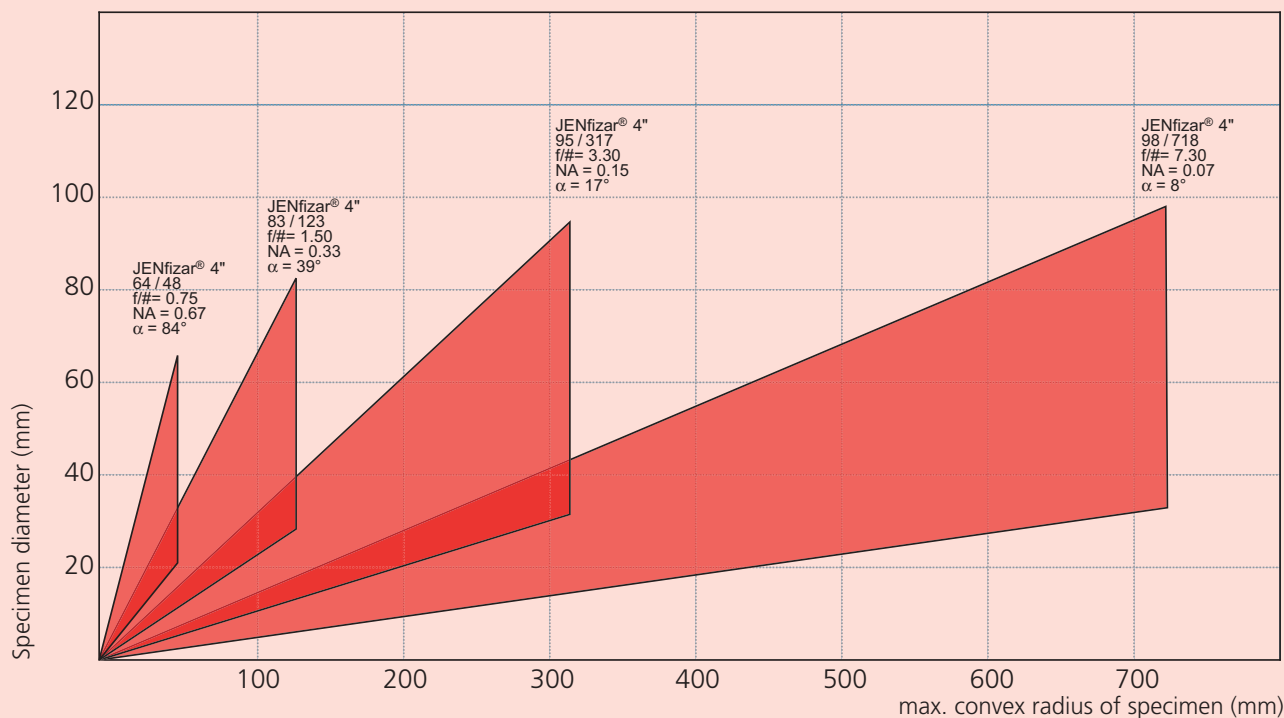


μPhase®, μShape™ and accessories: the comprehensive solution for your exacting measuring tasks

 **FISBA OPTIK**

μPhase® Digital Compact Interferometry

JENfizar Objectives with plano base objective μ Lens DCI 2 100/ ∞



Measurement of plano surfaces

μ Lens 100/ ∞ for 20 – 100 mm OD specimens (Base for spherical objectives)

μ Phase® FST H100 / H100 A / H100 Z technische spezifikationen

Configuration	Compact Twyman-Green phase-shift interferometer			
Stand	Horizontal set-up for interferometer, optic axis height 170 mm or 107 mm			
Interferometer	μ Phase® 2 HR with 4" base objective (μ Lens DCI 2 100/ ∞)			
Objectives for testing	System	FST H100	FST H100 A	FST H100 Z
	Objectives			
	μ Lens DCI 2 plano objective	●	●	●
	JENfizar® spherical objectiv	×	●	
	CGH for rotation-symetrical aspheres		●	
	CGH for cylindrical surfaces			●
		● = must × = optional		
Light source	Frequency-stabilized HeNe-Laser (632.8 nm)			
Travelling range of stand	Depending on length of rail, 400 to 1400 mm			
Radienmesseinrichtung	Integrated length measurement encoder Optional: optical length laser interferometer			
Software	μ Shape™ digital measuring and analysis software Add-on modules „Aspheres“ (FST H100 A) and „Cylinders“ (FST H100 Z)			
PC system	Pentium® 4 PC, 1.7 MHz, 512 MB RAM, 20 GHz HD, network interface			
Operating systems	Microsoft® Windows® NT, Windows® 2000			
Dimensions / Weight	400 x 250 x 270 mm (L x B x H), 13 kg (without rail and table)			
Accessories	Rails with integrated length measurement encoder available in the following lengths: 400, 600, 1000 and 1400 mm (further lengths upon request) for axis height 170 mm 2 and 4-axis sample holder with automatic centering device (axis height 170 mm) Inferometer holder for 107 mm axis height			

We reserve the rights to alter product design, range and implement technical changes without prior notice