

# Overview $\mu$ Shape™ Software Versions

		Version	Professional	FastFringe	Analyzer	Demo
		Feature				
Fundamental Features	User interface	Phase shifted fringe analysis	x	-	x	x
		Raw phase map	x	x	x	x
		Phase step map	x	-	x	x
		Continuous Mode	x	-	-	x
		Crop	x	x	-	-
		Hardware setup selection of pre-defined objectives	x	x	x	x
		Hardware setup alignment type	x	x	x	x
		Hardware setup configuration	x	x	x	x
		Grazing incidence options	x	-	x	x
		Wavefront analysis options (smoothing, hole closing etc.)	x	x	x	x
		Aperture geometry operations	x	-	x	x
		Measurement parameters	x	x	x	x
		Mask settings (measurement, analysis)	x	x	x	x
		Coupling of masks, automatic pupil finding (APF)	x	x	x	x
		Display of mask contours on camera image	x	x	x	x
		Display of a reference marker (cross or circle) on camera image	x	-	-	x
		Scaling x and y manually or automatically from objectives	x	x	x	x
	Radius measurement (relative and absolute)	x	x	-	x	
	Support of positions devices	x (1)	-	-	-	
	Export of data maps (e.g. binary, ASCII, INT)	x	x	x	x	
	var. Parameter export (statistics, Zernikes etc.)	x	x	x	x	
	Export of graphical windows as BMP, JPEG, TIFF or PNG	x	x	x	x	
	Printing of single windows (incl. camera) or screen print	x	x	x	x	
	Measurement Protocol with selectable contents and layout	x	x	x	x	
	Custom notes & parameters	x	x	x	x	
	Toolbars for fast access	x	x	x	x	
	Preconfiguration with templates	x	x	x	x	
	Configurable display grid	x	x	x	x	
Different user levels (excluding administrator)	3	3	3	2		
access protection by dongle, upgrade per email	x	x	x	-		
Results	Reference points analysis	x	-	x	x	
	Statistics calculation (PV, RMS, NoP, etc.)	x	x	x	x	
	DIN 3140-5 / ISO 10110-5 & 10110-14 calculation	x	x	x	x	
	Zernike calculation	x	x	x	x	
	Legendre calculation	x	-	x	x	
	Seidel calculation	x	x	x	x	
	Computation of slope field (hor/ver/abs) + tolerancing	x	-	x	x	
Analysis of multiple areas (Zernike, Legendre, DIN/ISO)	x	-	-	x		
Calib.	Phase Shifter settings & measurement	x	-	no calib mode	x	
	Calibration settings & measurement	x	x		x	
	Normal Data	x	x (2)		x	
Views	graphical (line, 2D, 3D, histogram)	x	x	x	x	
	tolerance	x	x	x	x	
	synthetic fringe	x	x	x	x	
	table (statistics)	x	x	x	x	
	tabular (grid display)	x	x	x	x	
Add-on modules	Module access operated by dongle and Module settings dialog.					
	Advanced 3D	x	x	x	x	
	Aspheres	o	-	o	x	
	Cylinder	o	-	o	x	
	External Interface	o	o	-	x	
	FastFringe	o	x	x	x	
	Fiber connector	o	-	o	-	
	Homogeneity	o	-	-	x	
	Math Mode	o	-	-	x	
	MTF / PSF	o	o	o	x	
	Multiple apertures	o	o	o	x	
	Multiple statistics	o	o	o	x	
	PowerMap	o	-	-	-	
	Prisms	o	-	o	x	
	PSD / Roughness analysis	o	o	o	x	
	Sample normal data	o	o (2)	x	x	
	Stitching	o	-	o	-	
	Tool offset	o	-	o	x	
	Torus analysis	o	-	o	x	
Wafer analysis	o	-	o	x		

x always available    o on request (operated by dongle)    - not available    1) Heidenhain or  $\mu$ Phase only (other on request)    2) Zernike only

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