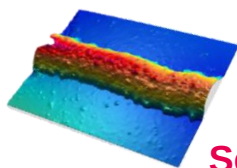
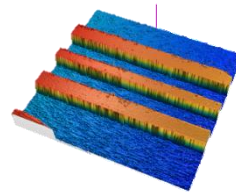


SURFIEW 500



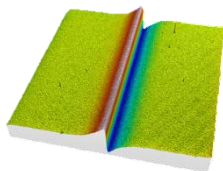
Semiconductor

Stud Bump	Diameters, Heights, Volumes, Roughness, Angles
CMP	Warpage, Roughness
CVD	Roughness
Wafer	Warpage, Scratch, Roughness



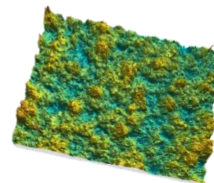
PCB

Substrate (Pad, Trace, Space, Anchor, Land, Ball Pad, Via Hole, Dimple, SR)	Heights, Widths, Depths, Diameters, Thickness,, Volumes, Roundness
BGA	Heights of Ball, Diameters, Coplanarity



Display

Photo Space	Diameters, Heights, Widths, Volumes
RGB	Thickness, Roughness, BM Thickness
TFT Pattern	Heights, Widths, Roughness
BLU	Angles, Widths, Heights, Roughness
Metal Jet	Widths, Heights, Angles, Roughness
Glass	Defect Types, Widths, Heights
OLED	Metallizing Heights, Angles, Volumes



ETC

MEMS	Heights, Widths
Precision machine part	Roughness, Heights, Widths
Laser Marking	Depths, Volumes
Inkjet	Volumes, Heights, Areas
Micro Lens	Curvatures, Heights
RFID	Heights, Widths, Roughness

Specification

SURFIEW 500

Vertical Resolution	VSI,VEI < 0.5nm, VPI < 0.1nm
Lateral Resolution	0.05~7.2um(Depends on magnification)
Height Repeatability	≤0.3% @ 1σ
Objective Lens	1 Selectable(Manual)
Zoom Lens	1 Selectable(1.0x @ Manual)
Camera Format	1/2" Mono Camera
Scan Method	Piezo Actuator @ SGS Closed loop
PZT Scan Range	≤100um
Scan Speed	7.5um/sec(1x) / 22.5um/sec(3x)
Illumination	White LED
Filter	Visible/Bandpass Filter(Manual)
X/Y Axis Stroke	25mm(X) x 13mm(Y)
Z Aixe Stroke	13mm
Tilt Aixe Stroke	± 2°
Work Table Size	80mm X 80mm
Max Workpiece Load	≤ 1kg
Layout Size	1100mm(W) x 700mm(D) x 1450mm(H)
Software	Surface View/Surface MAP@ Window10 (64bit)
Stitching	NO
Vibration Isolation Platform	Passive Type(Vertical Resonance: 2.5Hz)
Input Power	2 ϕ ,110V/220V(± 10%), 50/60Hz

Option

Interference Lens	2.5x, 5.0x, 10x, 20x, 50x, 100x
Objective Lens	2.5x, 5.0x, 10x, 20x, 50x, 100x
Zoom Lens	0.55x, 0.75x, 1.0x, 1.5x, 2.0x
PZT Scan Range	≤250um
Camera Format	2/3" or 1" Mono Camera
Work Table	Vacuum Table, Rotation Table



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