



EagleT-AP Plus

Leading metrology capabilities:

- > 100% bump measurement
- > Down to 2um bump height
- > Down to 2um L/S RDL
- > CD/Overlay of any object type and size
- > True die shift position
- > EBR metrology
- > Auto setup/calibration
- > Ultra high throughput configurations
- > Height and depth profiling
- > Layer thickness

2D Inspection

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	Inspection Capabilities	Detection of down to 0.85µm surface defects BF Detection of down to 0.3µm surface defects DF	
	Resolution	Multiple magnifications for optimized sensitivity	
	Zone Editing	Enables detection algorithm per zone for optimized sensitivity	
	CAD	CAD based detection	
	Multi Recipe	Enables running successive scans in one cycle with different focus, magnification, illumination, sensitivity and detection engines	III.
	Defect Classification / Filtering	Feature based classification	
	Tool Matching	Simple recipe transfer from system to system System to System results matching	
	3D Metrology	Contraction of the second	125
	Bump types	Copper pillar, solder, gold bumps, micro bumps	
1	Capabilities	Measurement of bump height, co-planarity, PR/PI thickness and via opening depth and surface-to-surface metrology	
1	CTS – Camtek triangulation Sensor : High speed 3D scan		
4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	Height Accuracy ¹ Height Repeatability ¹ Measurement Range	0.1μm 1% of bump height and > 0.2μm at 3σ 2 – 250μm	Copyrigh
		sor : 3D high resolution profile area mapping	nt of C
4	Resolution Height Repeatability ¹ Layer thickness Range Height metrology range	0.05μm 0.1μm at 3σ 5-200μm 1 μm - 300 μm	Copyright of Camtek Ltd © 201
	CLIP – Camtek Light interferometer profiler:		9. All
	Resolution Height Repeatability ¹ Measurement Range	0.05μm 0.2μm at 3σ 0.2 - 100 μm	© 2019. All rights reserved
1	2D Metrology Object types	Bump, RDL, Pad, UBM, Via	aft - su
1	Capabilities	Measurement of diameter, width, length, placement deviations, overlay, die shift	raft – subject to revision without notic7
	Accuracy	n of the mean reading from the actual calibration target value	revisi
	Repeatability	0.2 μm at 3σ	on vit
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	1 - Accuracy and repeatability on V	LSI step target	notic
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