

Intro to Sigray

Founded in 2013

• **Dr. Wenbing Yun**, founded Xradia, now Carl Zeiss Microscopy, OSA Fellow and serial entrepreneur, and **Sylvia Lewis**

Mission: Dev. next generation x-ray technologies to Lab. and Fab.

Our Technology:

- Strong IP: 66 patents, 30+ pending, many trade secrets
- Disruptive x-ray components (source & optics)
- 5 world leading product families

Rapidly Growing: >60% Y/Y over 3 years

- 34k sq. ft. of manufacturing space in Concord, CA (San Francisco Bay Area) and 86 employees
- Global installation base of leading universities and companies (semiconductor & pharma)



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- 0.5um Resolution and <0.3um Voxel
- 3D imaging in minutes of large planar objects
- Negligible radiation hardening artifacts
- High speed reconstruction
- Advanced algorithms for defect detection
- Automated montage multiple 3D imaging
- Numerous successful competitive demos

Need of Fast 3D Imaging of Large Plannar Objects



Microbumps and TSVs on 300mm Wafer



Bumps and circuitry of large PCB boards

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	Bridgi Identifying Br	ng Der ^{idge Defect}	no: Int	no: Intact Die	
		High res	Throughput		
	Total integration time	30 mins	12 mins		
	Voxel Size	0.5 µm	2.5 µm	MISOU LIED	
				SEM	
	Field of View	1.47 x 1.15 mm	7.35 x 5.75 mm		
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