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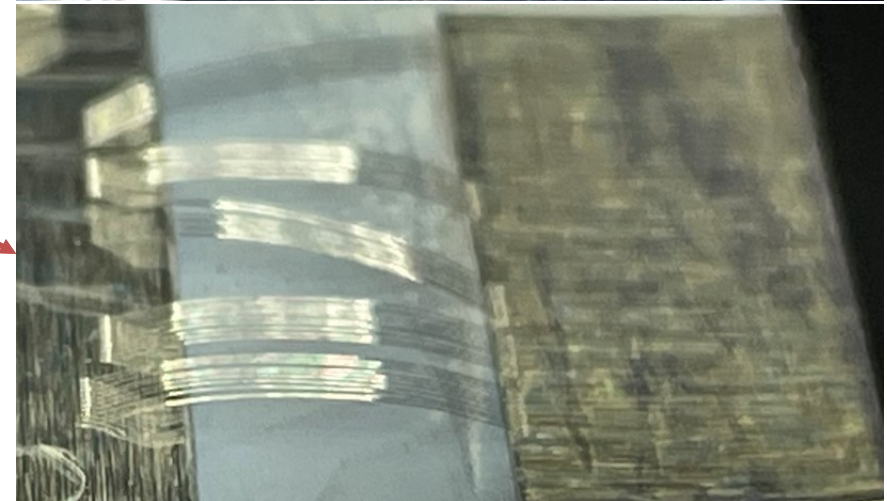
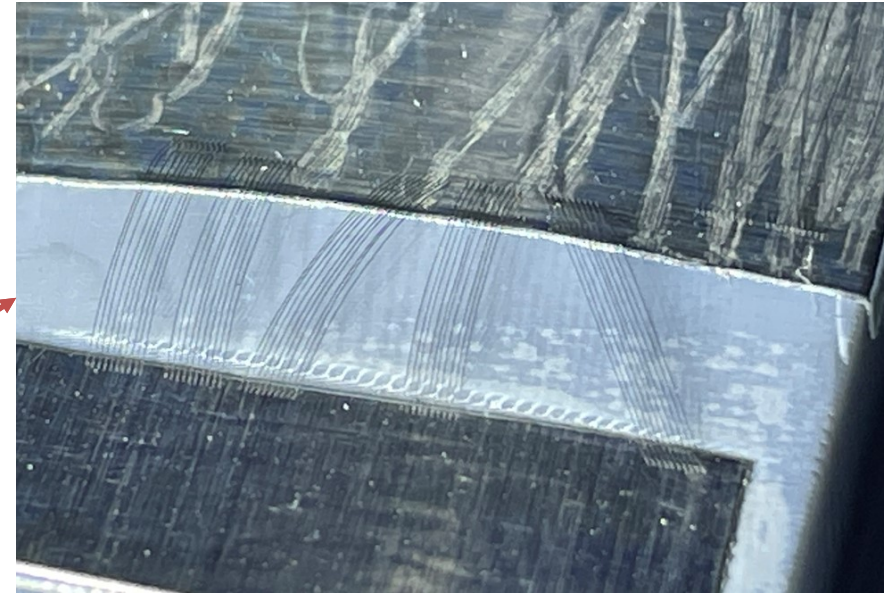
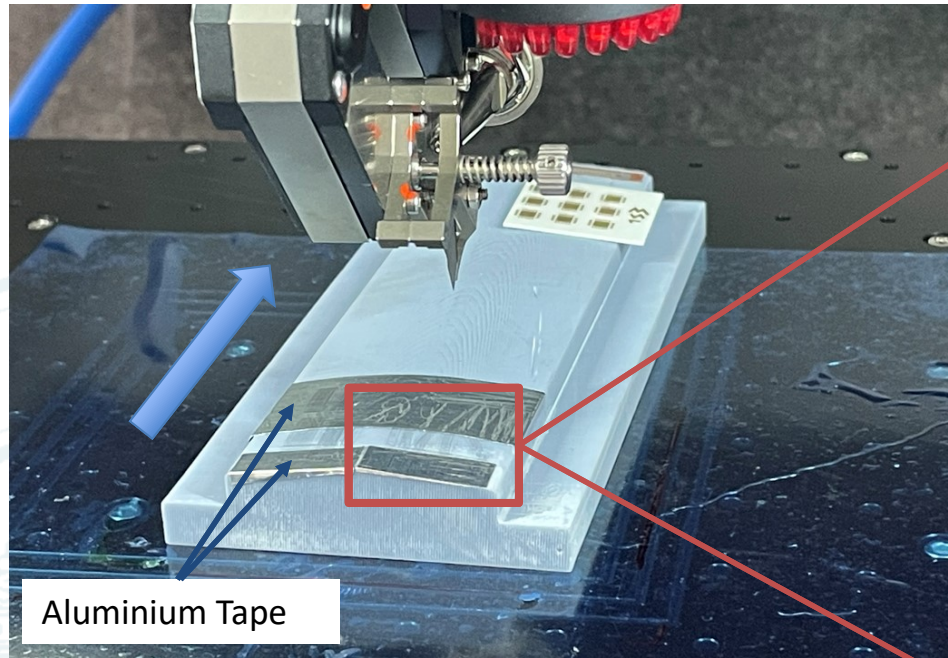
Curve to Flat Surface Wirebonding

Oxford Physics Microstructure
Detector Laboratory



Wirebond run on curve surface

- Wirebond setup and loop profile

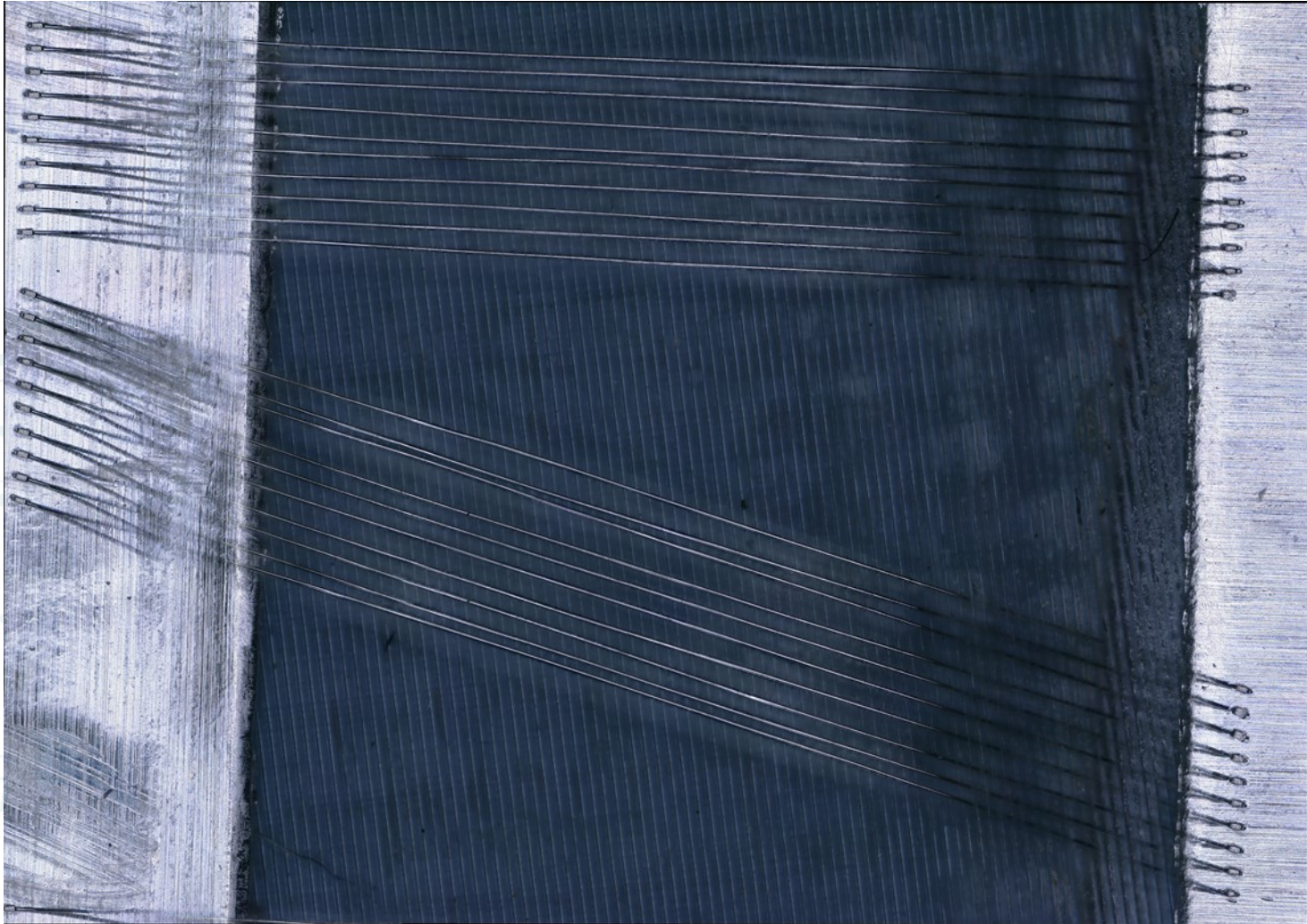


Wirebond run on curve surface



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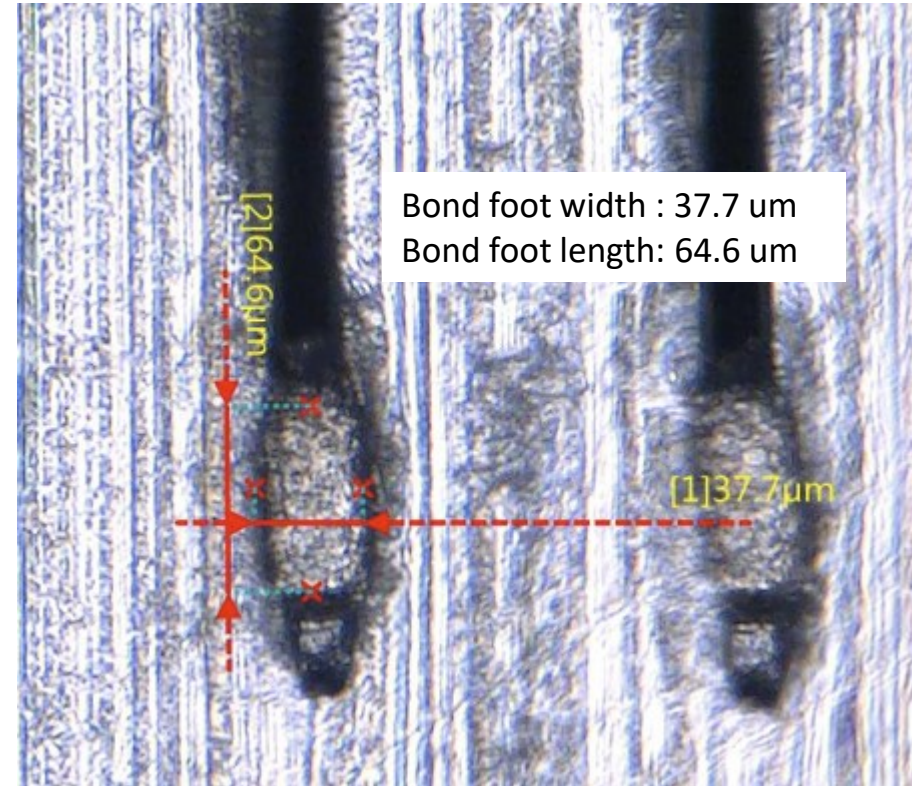
- Wire profile—using 3D stitch image



Wirebond run on curve surface

- Pull test and wedge profile

	Pull test reading	Failure mode
Wire 1	6.4738	1 - Heel break 1st bond
Wire 2	6.4984	1 - Heel break 1st bond
Wire 3	5.634	1 - Heel break 1st bond
Wire 4	6.6274	3 - Break at Span
Wire 5	5.2043	1 - Heel break 1st bond
Wire 6	5.0266	4 - 1st Bond Bond lift
Wire 7	5.8986	1 - Heel break 1st bond
Wire 8	5.2904	1 - Heel break 1st bond
Wire 9	5.4657	1 - Heel break 1st bond
Wire 10	5.607	1 - Heel break 1st bond
Average	5.77	
Min	5.03	
Max	6.63	
SrDev	0.58	





End of Presentation

