



## The Fine Line : VIDEOS FOR THE EBEAM COMMUNITY Summer 2014

### Shot Talk - A Word from our Sponsor

Aki Fujimura, CEO of D2S, describes how the acquisition of Gauda and the hiring of lithography luminary Dr. Leo Pang will enable D2S to better support the eBeam community, and looks ahead to the annual eBeam Initiative survey with results available at BACUS 2014.



### From the White Board

Dr. David Lam, chairman of Multibeam Corp., examines the question “Can eBeam lithography ever get into mainstream manufacturing?” with a review of the changes taking place in lithography and how CVD and etch processing together with eBeam direct write technology can achieve results not attainable with optical lithography.



### Tech Talk

Tony Luo, founder of Maglen and the eBeam Initiative's newest member company, outlines the limitations of optical and EUV wafer inspection technology in addressing advanced-node patterning defectivity, as well as the benefits of multi-column eBeam inspection.



### Perspectives

Dr. Sergey Babin, founder and president of aBeam Technologies, describes the dangers of the charging effect on mask writing and efforts underway to solve this problem, his personal thoughts on the growing mask hotspot challenge, and his wish list for what the eBeam community should work on going forward.



### VIDEO ARCHIVE

#### The Fine Line Spring 2014 Edition



Shot Talk: Aki Fujimura of D2S



From the White Board:  
Aki Fujimura



Tech Talk: Naoya Hayashi of DNP



Perspectives: Mark Sheppard of  
Advantest

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The eBeam Initiative is a forum dedicated to the education and promotion of new semiconductor manufacturing approaches based on electron beam (eBeam) technologies. Its goals are to reduce the barriers to adoption to enable more integrated circuit (IC) design starts and faster time-to-market while increasing the investment in eBeam technologies throughout the semiconductor ecosystem. For more information, please e-mail [requests@ebeam.org](mailto:requests@ebeam.org) or visit [www.ebeam.org](http://www.ebeam.org)