

Fujitsu Microelectronics Viewpoint

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Fujitsu's Commitment

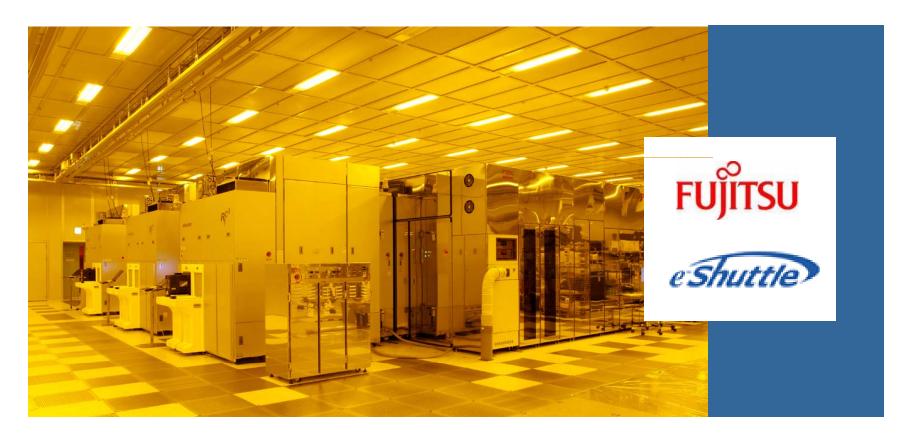


- Advantest and Fujitsu Microelectronics form joint venture in e-beam direct write manufacturing called e-Shuttle – November 2006
- e-Shuttle starts production with the first Advantest CPbased tool – November 2007
- Fujitsu and e-Shuttle SPIE paper on e-beam maskless prototype to optical volume manufacturing – February 2008
 - E-beam based prototypes are compatible with later volume production with light
- e-Shuttle starts production with the second Advantest tool – October 2008



October 2008

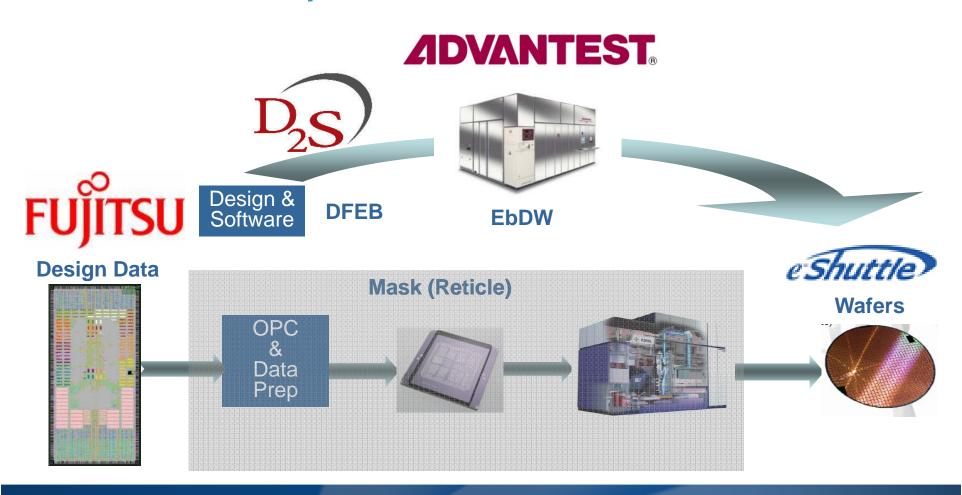
Second Advantest tool in production in Mie factory





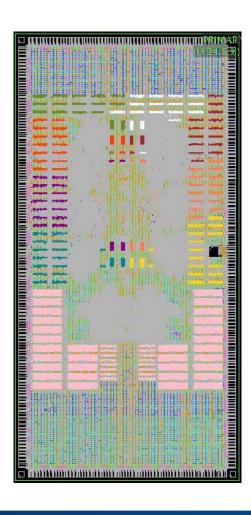
October 2008

Collaboration to prove DFEB benefits



Results Expected in 2009





- Fujitsu 65-nm low-power test chip
- e-Shuttle to manufacture the test chip
- Customer engagements to follow

