



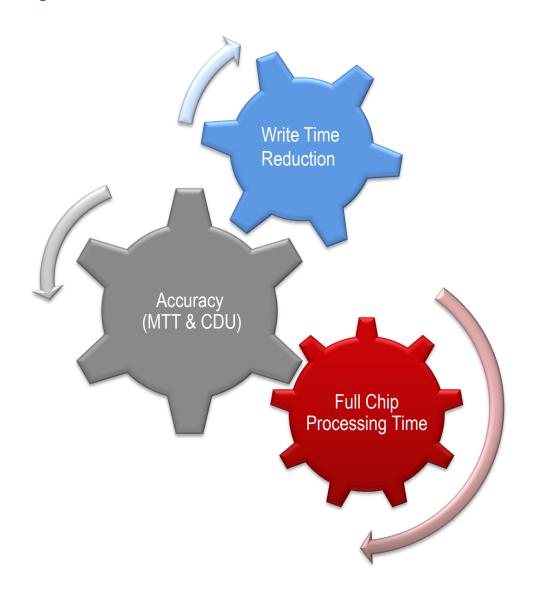
Full-Chip MB-MDP is Here

Aki Fujimura CEO, D2S, Inc.

www.ebeam.org

Full-Chip MB-MDP is Here







Full-Chip Accuracy Enabled by the Computational Design Platform

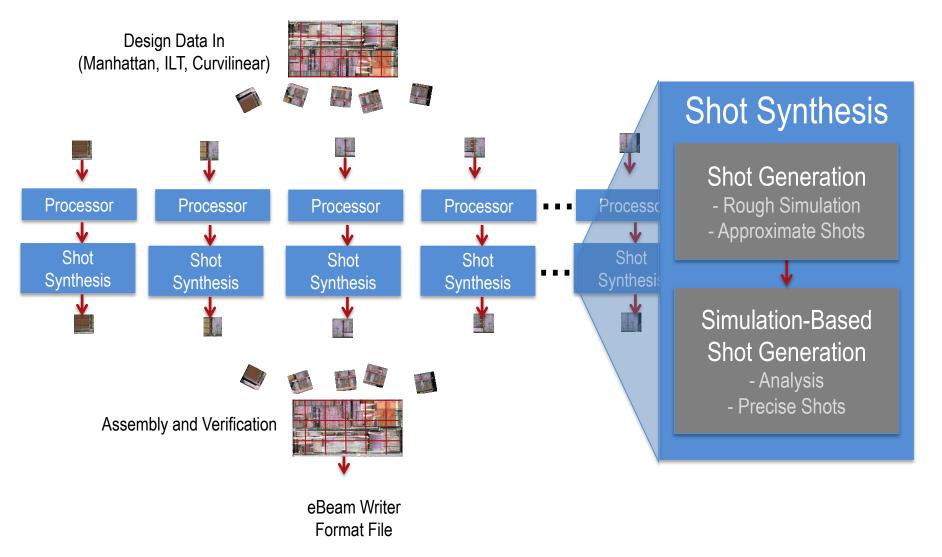


- 400 TFLOPS of CPU + GPU computing
 - Coarse-grain, multi-threaded CPU and GPU parallelism
- Built for the Mask Shop
 - 11 TBytes RAID storage
 - Redundant InfiniBand™ Network



Fully Automated Shot Synthesis Flow for Accuracy and Processing Speed

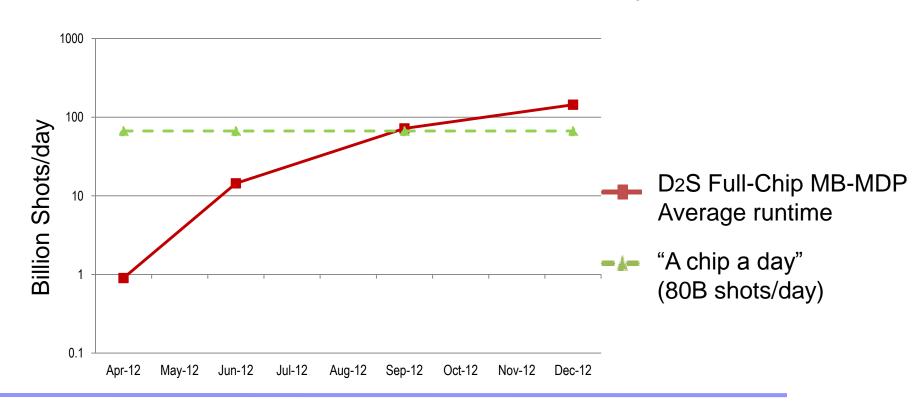






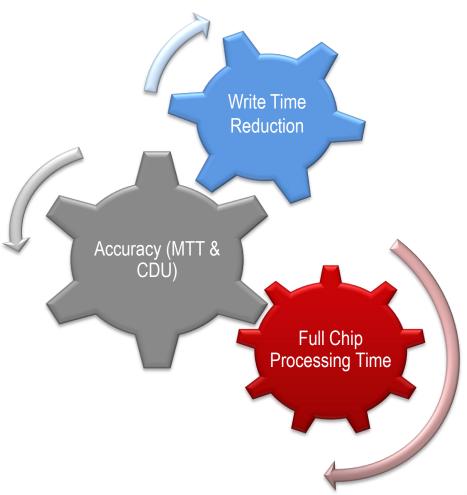
Full-Chip MB-MDP is Here: Processing Time As Fast as the Mask Writer

D2S Full-Chip MB-MDP produces the shots in 80-300B shots/day, depending on the system configuration. Full-chip data for a typical system-on-chip (SOC) with 1600 mm² mask dimensions and with a shot density of ~50 shots/µm² without exploiting shape hierarchy and repetition is processed in 24 hours or less on the standard D2S Computational Design Platform.



Summary: Full-Chip MB-MDP is Here Collaboration across the mask ecosystem













Hoya presentation



Thursday 11:20am [8522-53]

"Shape-dependent dose margin correction using model-based mask data preparation"

Yasuki Kimura, Ryuuji Yamamoto, Takao Kubota, Kenji Kouno of Hoya Corp, and Shohei Matsushita, Kazuyuki Hagiwara, Daisuke Hara of D₂S

