

Visualization of Manufacturing Data

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Semiconductor manufacturing flows are among the most complicated and challenging processes to manage. Simultaneously handling of both single wafer and batch processing, single tools with multiple feed points, one of a kind tools, balancing priorities, and managing a wide range of complexities, cycle times and equipment sets are just a few of the challenges. Of growing importance is the ability to provide real time or on demand data that is meaningful to both managers and front line employees. This paper explores the visual reporting used to manage a mature yet high volume wafer fab. Tools include web based real time line linearity reporting, schedule attainment, scheduling, lot slack and the dashboard used to group these tools.