

Technology Challenges/Constraints

- ➤ Miniaturization & Tolerance Truncation
- >Cycle-time competing with precision requirements
- >Traceable artifacts to support tolerance regimes
- ➤ Inadequate models for physical parameters
- >Customer requirements exceeding state of the art

Business Challenges/Constraints

- ➤ Industry profit margins are radically low
- >80 % of costs related to physical parameters
- ➤ Tolerances decreasing & bad decisions increasing
- >Yield losses too high at all mfg. stages
- >Acceptance testing and sorting are high cost

"Quality Transformation" - Do It Right The First Time

Turn engineering efforts into a science and eliminate redundant and inefficient development initiatives Gain a thorough understanding of the constraints & implications to critical functional characteristics Utilize this core knowledge to optimize leading-edge processes which meet or exceed market needs and use to your advantage to determine and optimize the vital few development needs

(Applies To: Product, Tooling, Equipment, Design, Process and Measurement)

"Find the waste... Get rid of it... Keep it gone... Do it right the first time"