



LTT SUPPORTS BOTH LEAN MANUFACTURING AND SIX SIGMA

LEAN

- ▶ A set of tools aimed at eliminated waste
- ▶ Key concepts include:
 - Process simplification
 - Non-value adding step reduction
 - Cycle time reduction
 - Changeover cost and time reduction
 - Flexibility improvement

LTT

- ▶ A system that accounts for the realities of the current process and optimizes within the business required constraints.
- ▶ Key LEAN concepts applied include:
 - Economically optimized run lengths and inventory targets will drive lot sizes as low as production flexibility and cycle times allow
 - Daily LTT calculations automatically drive inventory lower as cycle or changeover times are decreased
 - Takes into account the entire range of Make-to-Inventory → Make-to-Order options for each SKU

SIX SIGMA

- ▶ A set of tools aimed at increasing process performance and eliminating defects
- ▶ Key concepts include:
 - Data driven process and product performance analysis
 - Cause and Effect process understanding
 - Variability and defect understanding and reduction

LTT

- ▶ A system that accounts for the realities of the current process and optimizes within the business required constraints.
- ▶ LTT systems support and build on Six Sigma efforts by:
 - Integrating key customer demand, process, product and cost data
 - Explicitly accounting for existing process capability and variability while optimizing run lengths and inventory targets
 - Daily lead time and variability calculations result in inventory adjustments as process performance is enhanced