

Manufacturing Simulation with Simcad Pro®

Complete ROI in 4 to 12 Weeks
Optimize Today for a Better Tomorrow™

**Production
Optimization**

**WIP Inventory
Management &
Reduction**

**Capacity
Analysis &
Growth
Projection**

**LEAN Six Sigma
Implementation**

**Optimize Labor
Allocation**

**Identify
Bottlenecks &
Constraints**

**Facility Layout
& Design**

**Capacity
Planning &
Scheduling**

Manufacturing Digital Twin Capabilities

- Load current and historical data from your ERP/MRP/SAP
- Fully interactive, no-coding interface for quick model building and validation
- Digital twin modeling with 99.9% accuracy
- Built in Value Stream mapping and lean analysis

**Patented
Dynamic
Interactive**

*Based on historical optimization performed with Simcad Pro digital twin



High-Mix Manufacturing Simulation

Simcad Pro® supports both High-Mix/Low-Volume and High-Mix/High-Volume manufacturing operations by enabling:

- Detailed part routing
- Multiple sub-assemblies/components & detailed BOM support
- Tooling and manpower constraints
- Work orders, detailed cell implementation and sequencing
- Kanban pull and material handling

Lean Analysis in Seconds

- Line load leveling analysis
- OEE and efficiency analysis
- Analyze equipment feasibility and capacity constraints

Achieve 10-15%* Efficiency Increase

- Obtain integrated reporting and scenario analysis
- Analyze efficiency at the machine and resource level
- Predict the effect of changes in demand, supply, or product mix
- Optimize production schedules
- Receive live updates for increased productivity control
- Analyze efficiency based on automation versus manual labor
- Increase productivity and reduce non value-added time



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