

NEXUS Manufacturing & MRP

NEW MODULE RELEASE

Production floor control with live shop telemetry.

Multi-level Bills of Materials, work order routing, work center capacity, and automated material planning, with real-time Work-in-Progress value visible while the run is still open.

Every Stage of a Production Run

Engineering data, floor execution and cost accounting share the same records.

- **Dynamic Bills of Materials**
Multi-level assembly recipes with revision history, component costs and expected yield per finished unit.
- **Work Orders and Routing**
Multi-step routing tracked station by station, with completion, hold and scrap recorded at each operation.
- **Shop Floor Telemetry**
Live Work-in-Progress value, material availability and step status, so a supervisor sees the floor without walking it.
- **Work Center Capacity**
Station load and technician availability balanced against the schedule to expose bottlenecks before they stall a run.
- **Shortage Tables and MRP**
Component shortages detected against open demand, with draft purchase orders generated to cover the gap.
- **Quality Control Gates**
Inspection checkpoints that must pass before a step advances, with defect and scrap history retained per unit.

Where Manufacturing Margin Leaks

Cost Truth: what production actually costs, measured as it happens.

- **Yield and scrap measured, not estimated**
Scrapped units are logged at the operation that produced them, so yield reporting reflects the floor rather than a monthly guess.
- **WIP valued continuously**
Material and labor consumed post to Work-in-Progress as they happen, so the balance sheet reflects open production in real time.
- **Finished goods land in inventory**
Completion moves the unit into a real bin location with its lot or serial attached, ready to allocate against an open order.

Where It Fits

- Manufacturing & Production Control (MRP, BOM, Shop Floor, QC) included from Enterprise.

"Build a Bill of Materials and run it." Provision a workspace, define an assembly, and take a work order through quality control.

ABOUT NEXUS END2END

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