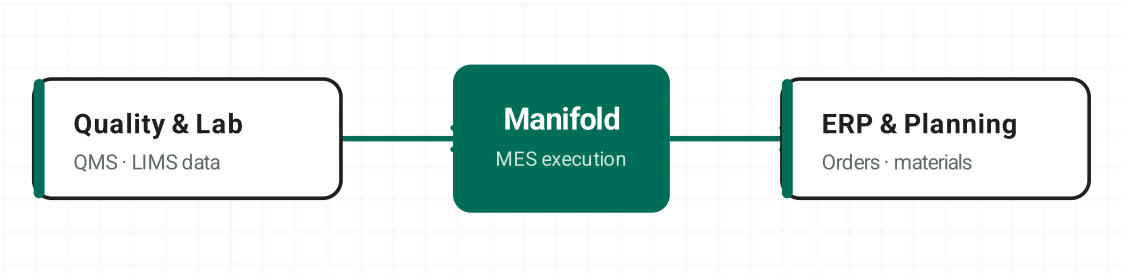


Production Control Maturity Assessment

Evaluate how mature your production control processes are today — and where connected execution would create the most operational value.



Prepared for	Manufacturing, Operations & Continuous Improvement
Assessment areas	Seven production control dimensions
Scoring	Five-level maturity scale (1–5)
Version	2026 Edition

1 Purpose, Areas & Scoring

This assessment helps manufacturing teams evaluate how mature their production control processes are. Score each of the seven areas, agree on the evidence behind the score, and use the profile to prioritize improvements and define requirements for connected manufacturing systems.

The seven assessment areas

 Production visibility Real-time status of orders, lines and output without manual reporting.	 Work-order execution Digital release, tracking and completion of production work orders.	 Process control Controlled instructions, parameters and in-process control at the point of execution.
 Material & resource control Materials, consumables and resources linked to production activity.	 Quality checkpoints Quality checks embedded within the execution workflow, not bolted on.	 Traceability & records Complete genealogy, history and approvals available on demand.
 Digital readiness Connected systems, structured data and readiness for MES execution.		

Scoring method – rate each area 1 to 5

1 Manual and reactive	2 Basic monitoring	3 Structured control	4 Connected execution	5 Optimized digital operations
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2 Maturity Scoring Worksheet

Complete one row per area with the team. Enter a single score from 1 to 5 and record the evidence that justifies it – a specific system, report, gap or workaround. Evidence keeps the score honest and makes the follow-up actions concrete.

Assessment area	Guiding question	Score (1–5)	Evidence / notes
1 · Production visibility	Can teams access current production status without manual reporting?		
2 · Work-order execution	Are work orders digitally tracked from release to completion?		
3 · Process control	Are process instructions controlled and available at execution points?		
4 · Material & resource control	Are materials and resources linked to production activities?		
5 · Quality checkpoints	Are quality checks integrated into execution workflows?		
6 · Traceability & records	Can teams trace production history and approvals on demand?		
7 · Digital readiness	Is production data structured and connected across systems?		



Score against what is consistently true in the plant today, not what is possible in the best case or on the best shift. Use the lowest score any critical line would honestly earn.



Area total

Roll-up	Value
Total score (sum of 7 areas, max 35)	
Average maturity level (total ÷ 7)	
Lowest-scoring area (priority focus)	
Highest-scoring area (leverage / model)	

3 Interpretation & Actions



Maturity interpretation

Low maturity indicates dependence on manual coordination and delayed information. Higher maturity indicates connected workflows, controlled execution and improved operational response. Read the average level alongside the shape of the profile – a single low area often constrains the whole line.

1

Manual & reactive

2

Basic

3

Structured

4

Connected

5

Optimized

Average level	What it typically means	Indicative focus
1.0 – 2.0	Manual, reactive control; information arrives after the fact	Establish visibility and digital work-order tracking
2.1 – 3.0	Basic monitoring with structured pockets; gaps between areas	Standardize process control and in-line quality
3.1 – 4.0	Structured, increasingly connected execution	Integrate materials, traceability and systems
4.1 – 5.0	Connected, optimized digital operations	Extend analytics, closed-loop control and scale



Recommended action

Use the assessment results to identify gaps in production execution, prioritize improvements and evaluate requirements for connected manufacturing systems.



Priority actions from this assessment

Priority	Area to improve	Current level	Target level	Owner	Horizon



From manual coordination to connected execution

Manifold connects production visibility, work-order execution, process control, materials, quality checkpoints and traceability in one execution layer — so maturity gains in one area reinforce the others rather than stalling at the weakest link.

This assessment is provided as a vendor-neutral planning aid. Validate results against your process risk, regulatory context and improvement roadmap.

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