



The Operating System For Enforced Assembly

Meet the execution authority for modern assembly lines.

On an enforced line, the only available step is the right one. Skip a step and the tool will not fire. Every unit leaves the line with its own record.

One System. One Authority.



>>> PROBLEM

Six Common Problems on Factory Floors

Modern assembly lines must carry out a range of complex functions – from process control to quality assurance. For these to happen, many factories stack fragmented systems on assembly lines never built to handle them.



Disconnected systems and data silos

Lack of integration hinders continuous improvement.



Inflexible assembly lines

Difficulty adapting to product variations.



High training costs and operator errors

Constant retraining required due to high turnover.



Poor process visibility and traceability

Limited insights into assembly line performance.



Ineffective operator engagement

Hard to track, manage and motivate operators.



Poor quality control and defects

Inconsistent quality and increased recall risks, as defects are only detected downstream.

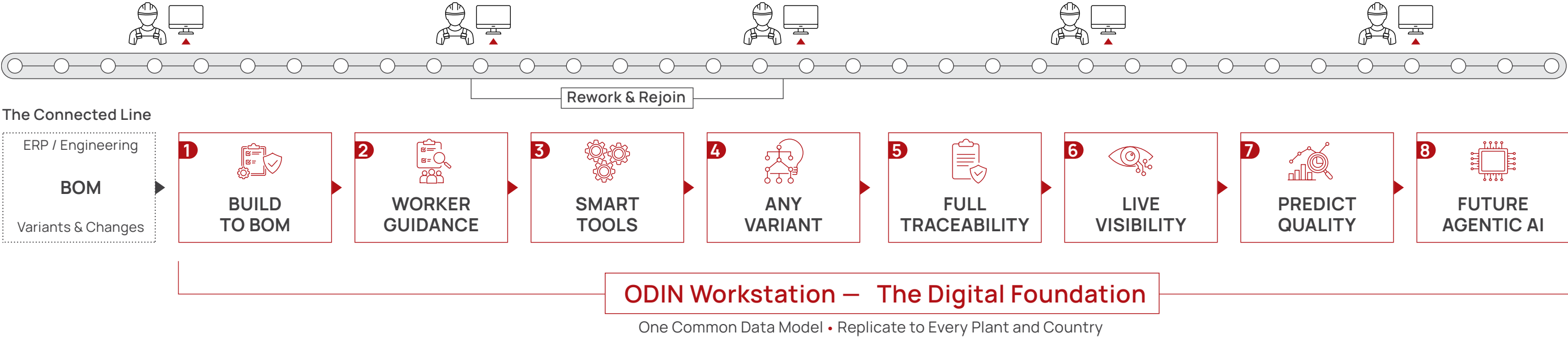


Are you paying integration tax? Manufacturers spend around 30% more and face production delays attempting to bridge the gap between multiple software systems and their machines.

>>> SOLUTION

One Digital Foundation to Build the Future

Today's lines run on trust: that every operator does every step, every time. But smart factories are moving from dashboards to deep, hardware-level enforcement. ODIN Workstation provides a solid digital foundation for your connected line, helping you plan, run and prove your work.



ODIN Workstation is positioned to become the action layer through which industrial AI can work safely.

»» FEATURES

Eight Great Enablers of Excellence

Optimize your assembly line with an operating system designed to maximize human and machine performance.

Explore some of the features and benefits that ODIN Workstation brings to your factory floor.



Build to BOM

Secure the build at source with a direct, no-code connection from ERP to the line. Engineering releases a BOM and the line configures itself – sequence, guidance and tool settings update automatically, with no re-coding.



Worker Guidance

Halve your training time. Dynamic guidance routes each operator through the exact build in front of them, step by step – and walks them through rework and turnaround too. If the build changes, the directions change instantly.



Smart Tools

Enforce quality with deep hardware-level integration. Integrate every device on the line – from scanners to leak testers and tightening tools. A unit can't advance until each one confirms a pass.



Any Variant

Stay agile and make multi-variant production possible. The line flexes by BOM, and AI computer vision confirms the right component for the right variant is picked and fitted – no extra physical sensors required.



Full Traceability

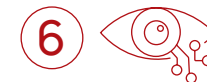
Every step, torque curve, scan, test result and operator is captured against the unit's serial number – the full who, when and what, retrievable in seconds for complete, in-process quality assurance.



Predict Quality

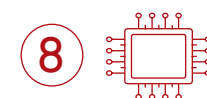
ODIN captures coherent, contextual data at every station. Smart analytics can find the real issues and predict quality problems before they happen. Live Cpk and ghost-bottleneck detection are just two examples of what that unlocks.

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Live Visibility

Leadership View: Output, OEE, quality and on-time delivery at a glance – across lines and plants, from anywhere in the world.
Engineering View: Down to the station, operation, operator and parameter – to find and fix the real issue, fast.



Future Agentic AI

Clean, contextual data provides the knowledge base that will position ODIN Workstation to become the action layer for adding interactive AI agents on the line in the future.

>>> THE INDUSTRIES WE SERVE

Built for Every Manufacturer

Error-proof your discrete assembly process and maintain production standards worldwide with one replicable data model. ODIN Workstation is an operating system designed to enforce your assembly processes and create an execution record for every unit.

Ideally suited to these fields

- » Automotive
- » Agriculture
- » Defense

Also, highly regulated industries, where manufacturing precision is non-negotiable

- » Electric vehicles
- » Aerospace
- » Medical devices

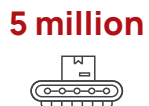
Used by leading OEMs and Tier 1 suppliers

The automotive industry is widely recognized as the pinnacle of modern manufacturing complexity, featuring high-volume, high-variant production scenarios.



100+

CUSTOMERS
Worldwide



5 million

PRODUCTS
Built



12 000+

DEVICES
Connected



>>> CASE STUDIES

Proven on the Factory Floor



See how our one-stop solution helped ZF USA achieve

- 50% reduction in operator training
- 30% reduction in rework costs



Read how our assembly line operating system helped Electra EV achieve

- zero quality complaints
- 80% reduction in rework



Developed by Manufacturers for Manufacturers

Jendamar has been building future-ready assembly systems and production lines for global customers for over three decades.



www.jendamar.io



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