

Silverdale.

Manufacturing Unleashed

Your Ultimate Guide to Achieving Operational Excellence with Odoo

The New Backbone of Your Operations

Modern manufacturing requires agility, data-driven decisions, and seamless coordination. Odoo's integrated suite of apps is not just a tool—it's the central nervous system for your entire production enterprise, connecting the shop floor, inventory, and planning into a single, real-time ecosystem.

Odoo's Fully Integrated Manufacturing Ecosystem

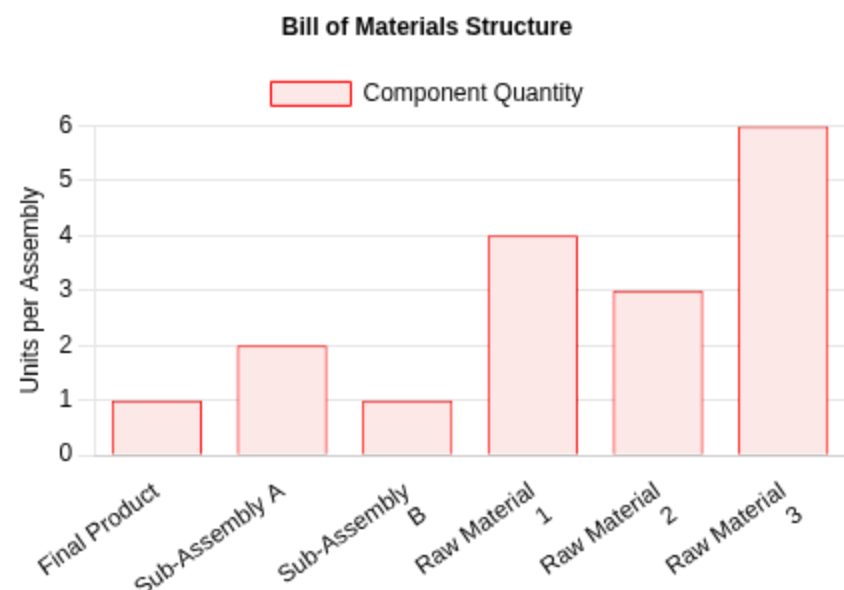
Odoo's power comes from its modularity. The Manufacturing app works seamlessly with other essential modules, creating a true end-to-end engine that eliminates data silos and streamlines every aspect of your operations from procurement to final quality checks.



The Core Manufacturing Workflow in Odoo

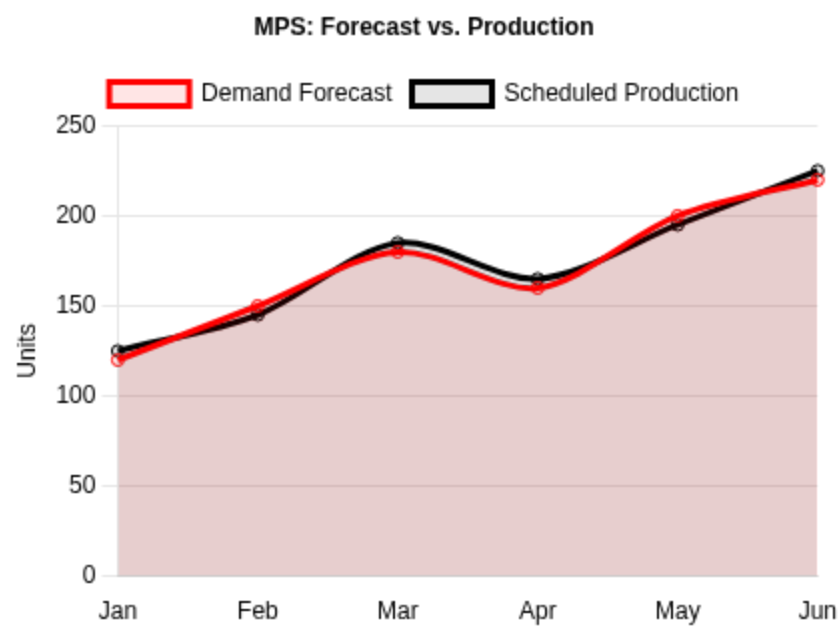
1 Foundational Setup: BoM & Routings

Define your product DNA. Create multi-level Bills of Materials (BoMs) specifying every component, and establish Routings that map out each operational step in your Work Centers. This foundation is crucial for accurate costing and planning.



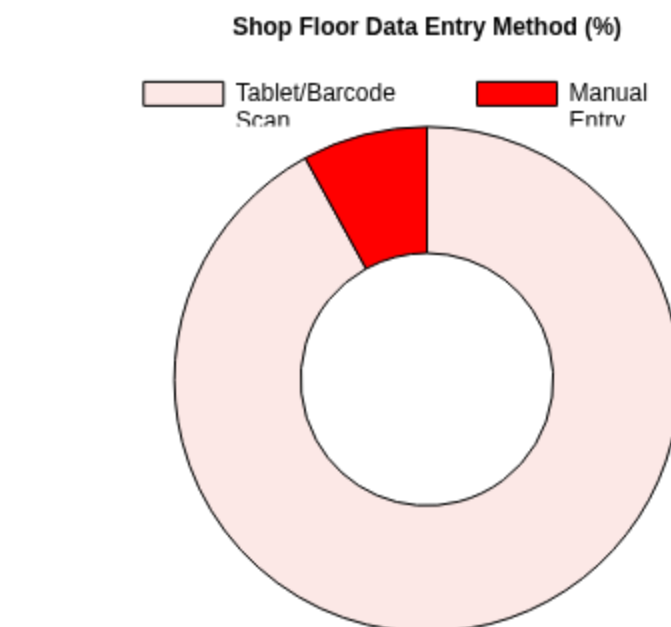
2 Advanced Planning: MPS

Move from reactive to proactive planning. The Master Production Schedule allows you to forecast demand and schedule production runs efficiently, ensuring you have the right materials at the right time to meet customer needs without overstocking.



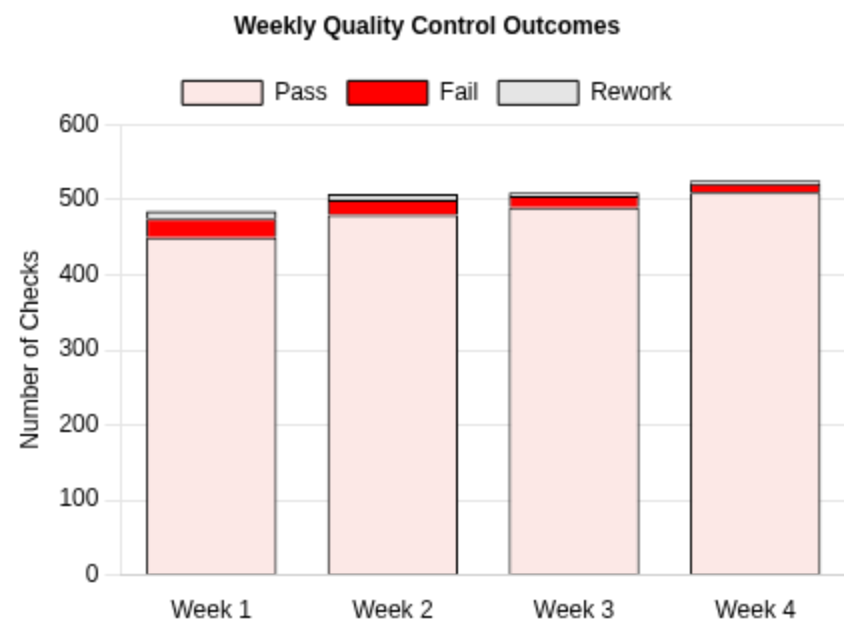
3 Shop Floor Execution

Empower your operators with a modern interface. Using tablets and barcode scanners on the shop floor drastically reduces manual entry errors, provides real-time progress updates, and streamlines work order management for maximum efficiency.



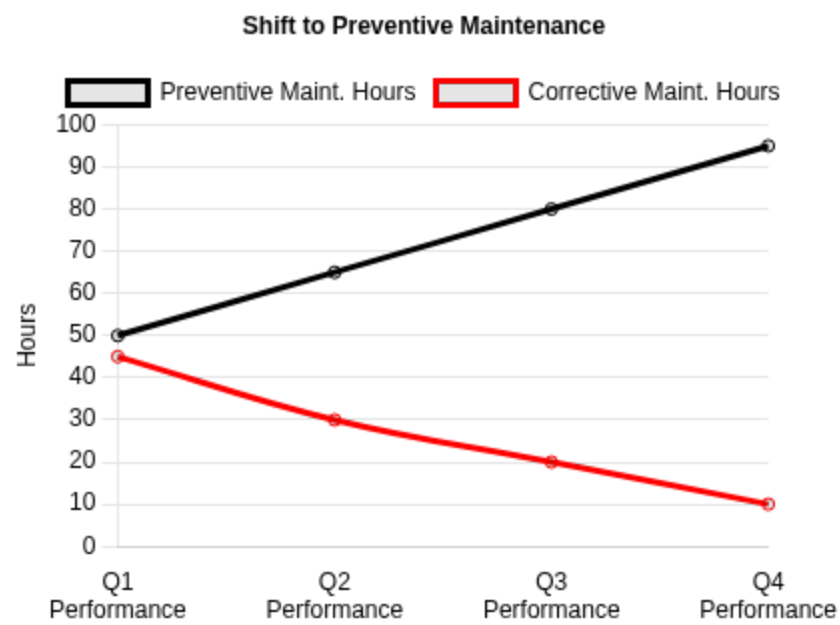
4 Ensuring Excellence: Quality

Integrate quality checks directly into your manufacturing workflow. Set up in-process or final inspection control points that trigger alerts and quality checks, ensuring every product meets your standards before it leaves the facility.



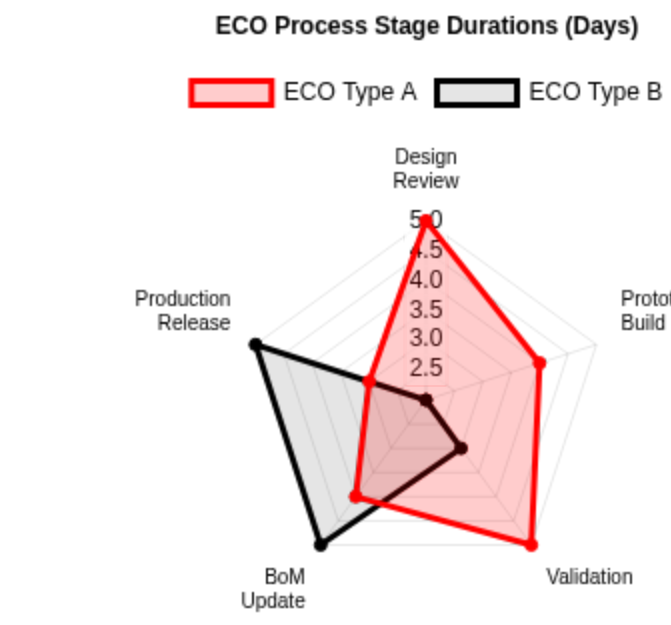
5 Maximizing Uptime: Maintenance

Keep your operations running smoothly. Odoo's Maintenance module helps schedule preventive maintenance to reduce equipment downtime and allows for quick creation of corrective maintenance requests directly from the shop floor.



6 Engineering Agility: PLM

Manage product changes effectively. The Product Lifecycle Management (PLM) app allows you to handle Engineering Change Orders (ECOs) with approval workflows, ensuring that BoM updates are version-controlled and communicated seamlessly.



Tangible Benefits, Quantifiable Results

25%

Increase in OEE

Optimize equipment and operator performance with real-time data from the shop floor, reducing downtime and waste.

100%

Real-Time Traceability

Track every component and operation from start to finish with serial number and lot tracking for complete visibility.

30%

Reduction in Lead Time

Streamline planning, procurement, and production workflows to deliver products to customers faster than ever before.

Best Practices for a Successful Implementation

- ✓ **Conduct Pre-Implementation Audits**
Analyze your existing workflows to identify bottlenecks before you configure the system. This ensures Odoo is tailored to solve your real-world challenges.
- ✓ **Focus on Operator-Centric UX**
Design the shop floor interface to be simple, intuitive, and fast. The easier it is for operators, the more accurate your data will be.
- ✓ **Embrace Tablets and Barcodes**
Invest in the hardware that enables real-time data capture. This is the key to unlocking the full power of Odoo's live monitoring and reporting.
- ✓ **Track Key Shop Floor KPIs**
Use Odoo's dashboards to monitor metrics like Overall Equipment Effectiveness (OEE), scrap rates, and on-time delivery. Use this data to drive continuous improvement.