

OptiProERP®

SAP Business One

MANUFACTURING AND DISTRIBUTION SUITE



ERP for Job Shop Manufacturers

www.optiproerp.com

ERP for Job Shop Manufacturers - Turn Complex Jobs into Predictable, Profitable Production

Job shop manufacturing is built around complexity. Every order may involve different materials, specifications, routings, labor requirements, deadlines, and quality standards. When estimating, scheduling, inventory, production, and accounting operate in disconnected systems, maintaining control becomes increasingly difficult.

OptiPro Manufacturing brings every stage of the job lifecycle together in a single integrated ERP solution. From the initial customer request and estimate through material planning, scheduling, shop-floor execution, quality control, job costing, and final delivery, your entire team works from the same real-time information.

Gain visibility into what is happening across every active job. Respond to customer requests faster, create more accurate estimates, allocate labor and machines effectively, identify delays before they affect delivery, and compare estimated costs with actual results.

With greater control over production and profitability, your job shop can confidently manage complex customer requirements, protect margins, improve on-time delivery, and scale without depending on spreadsheets or disconnected systems.

MAKING THE COMPLEX SIMPLE



A Brief History of Job Shop Manufacturing

Job shop manufacturing began with skilled craftspeople producing custom goods, one order at a time. Unlike mass production, each job could require different materials, specifications, machines, labor, and delivery schedules.

As manufacturing advanced, job shops adopted machinery, production routings, material planning, and computerized systems. However, many still relied on spreadsheets, paper travelers, disconnected accounting software, and manual scheduling.

Modern manufacturing ERP marks the next step in that evolution. It integrates quoting, engineering, purchasing, inventory, production, quality, finance, and customer service, giving job shops the real-time information they need to manage greater complexity without sacrificing flexibility.

Every Job Is Different. Your Business System Should Be Ready.

Job shop manufacturers rarely have the luxury of predictable, repetitive production. Customer requirements change. Materials have long lead times. Rush orders disrupt schedules. Machines and skilled employees must be carefully coordinated.

Without an integrated system, these challenges can lead to:

- Inaccurate estimates and underpriced jobs
- Production bottlenecks and schedule conflicts
- Excess inventory or material shortages
- Limited visibility into work in progress
- Delayed production updates
- Uncontrolled job costs and shrinking margins
- Quality and traceability gaps
- Missed delivery commitments
- Too much time spent managing spreadsheets and paperwork



Manage the Complete Job Lifecycle

Every job begins with a unique customer requirement and moves through multiple departments before it generates revenue. OptiPro Manufacturing connects every stage in a single integrated system, giving your team the visibility and control needed to keep jobs on schedule, manage costs, and protect margins.



Estimate and Quote

Create detailed estimates using expected material, labor, subcontracting, overhead, machine, and other production costs.



Plan Materials

Use real-time demand, inventory, sales orders, forecasts, and safety stock requirements to determine what needs to be purchased or produced.



Schedule Production

Coordinate machines, employees, materials, tooling, and outside services while accounting for capacity and delivery priorities.



Execute on the Shop Floor

Provide operators with clear production information and capture labor, material usage, production quantities, scrap, downtime, and job progress.



Control Quality

Build inspections into production workflows, document results, manage nonconformance, and maintain product traceability.



Measure Profitability

Compare estimated costs with actual material, labor, overhead, and subcontracting expenses to understand the true margin of every job.

Capabilities Built for Job Shop Manufacturing

Estimating and Quoting

- Create accurate, detailed estimates
- Account for labor, material, tooling, overhead, and outside services
- Convert approved estimates into production orders
- Reduce quoting time and improve pricing consistency

Production Management

- Manage complex, multilevel bills of materials
- Create detailed production routings
- Track make-to-order and engineer-to-order jobs
- Manage revisions, operations, resources, and work centers
- Monitor work in progress from release through completion

Advanced Planning and Scheduling

- Schedule Infinite production capacity
- Coordinate machines, labor, materials, and subcontractors
- Identify bottlenecks before they delay production
- Reprioritize work as demand or availability changes
- Calculate more realistic production and delivery dates

Inventory and MRP

- View inventory availability in real time
- Plan purchasing and production requirements

- Manage lot- and serial-controlled materials
- Reduce shortages, excess inventory, and costly expediting
- Improve material allocation across active jobs

Shop Floor Execution

- Replace paper-based production reporting
- Capture labor and material activity as work happens
- Give operators access to current work instructions
- Track quantities completed, rejected, or scrapped
- Improve communication between the office and shop floor

Quality and Traceability

- Define inspection requirements and quality checkpoints
- Record test results throughout production
- Manage nonconforming materials and corrective actions
- Capture parent and component lot or serial information
- Maintain documentation for customer and regulatory requirements

Outside Processing

- Track jobs sent to external processors
- Coordinate subcontracted operations with production schedules
- Monitor expected departure and return dates
- Include outside services in job costs and lead-time calculations

Job Costing and Financial Management

- Compare estimated and actual job costs
- Track material, labor, overhead, and subcontracting expenses
- Understand profitability by job, product, or customer
- Connect production activity with accounting and financial reporting
- Make faster decisions using real-time business information

One Connected Workflow



OptiPro Manufacturing eliminates the gaps created by disconnected systems. Sales, purchasing, production, inventory, quality, and finance work from a shared information base, helping your team make decisions with greater speed and confidence.

Built to Improve Job Shop Performance

Job shops succeed by delivering high-quality, customized products on time and at a profitable cost. OptiPro Manufacturing integrates scheduling, production, inventory, quality, and job costing into a single system, helping teams reduce delays, use resources more effectively, and make faster, data-driven decisions.

With OptiPro Manufacturing, job shops can:

- Respond to customer requests faster
- Create more accurate and consistent estimates
- Improve machine and labor utilization
- Reduce production delays and schedule conflicts
- Gain real-time visibility into every active job
- Control inventory without risking material shortages
- Identify cost overruns earlier
- Strengthen quality control and traceability
- Improve on-time delivery
- Protect margins with accurate job-cost information
- Scale operations without adding disconnected systems



One Connected Workflow

Manufacturing ERP on a Trusted Business Platform

OptiPro Manufacturing integrates advanced manufacturing capabilities with SAP Business One to deliver a comprehensive business management solution for small and midsize manufacturers.

Manage manufacturing alongside:

- Accounting and financials
- Sales and customer relationships
- Purchasing
- Inventory
- Warehouse operations
- Production planning
- Quality management
- Supply chain management
- Reporting and analytics
- The result is one integrated environment for managing your customers, jobs, resources, costs, and growth.



Why OptiPro Manufacturing?



Manufacturing-Focused

Designed around the operational requirements of discrete manufacturers—not adapted from generic accounting software.



Complete

Connect manufacturing and business management in one seamlessly integrated solution.



Flexible

Support make-to-order, engineer-to-order, configure-to-order, and mixed-mode manufacturing environments.



Scalable

Start with the capabilities you need today and build on a platform that can support future growth.



Real-Time

Give employees across the organization access to current production, inventory, cost, and customer information.



Easy to Use

Simplify everyday tasks with intuitive workflows and connected information.

Frequently Asked Questions

Q. What is job shop manufacturing ERP?

A. Job shop manufacturing ERP is business management software designed for manufacturers that produce customized products in low or variable volumes. It connects estimating, scheduling, inventory, production, quality, job costing, and financial management.

Q. How is job shop ERP different from standard ERP?

A. Standard ERP may manage accounting, purchasing, sales, and basic inventory. Job shop ERP adds manufacturing-specific capabilities such as detailed estimating, multilevel BOMs, routings, Infinite scheduling, shop floor reporting, quality control, outside processing, and actual job costing.

Q. Can OptiPro Manufacturing support make-to-order and engineer-to-order production?

A. Yes. OptiPro Manufacturing supports complex production environments where products, specifications, routings, and material requirements may vary by customer order.

Q. Can it help us create more accurate estimates?

A. Yes. Estimates can include material, labor, machine, overhead, subcontracting, and other expected costs, helping your team price jobs more consistently and protect margins.

Q. Does it provide real-time job costing?

A. Production and financial information are connected, allowing teams to compare estimated costs with actual material, labor, overhead, and outside-processing expenses.

Q. Can we track work on the shop floor?

A. Yes. Shop floor execution capabilities help operators access production information and record labor, material usage, completed quantities, scrap, and job progress.

Q. Does it support quality control and traceability?

A. Yes. Manufacturers can define inspections, record results, manage nonconformance, and capture lot or serial information throughout production.

Q. Is OptiPro Manufacturing integrated with SAP Business One?

A. Yes. OptiPro Manufacturing works with SAP Business One to provide an integrated manufacturing and business management environment.

Ready to Bring Greater Control to Every Job?

Discover how OptiPro Manufacturing can help your job shop improve estimating, scheduling, production visibility, quality, delivery performance, and profitability.

[Request a Personalized Demo](#)

About Us



Our Team

OptiProERP's leadership brings decades of hands-on experience in manufacturing, distribution, and ERP software. We cut our teeth in manufacturing – tool and die, engineering, automation, and shop floor. And we have over 30 years of experience developing manufacturing ERP software. Headquartered in Orange County, California - a key tech and business hub - and with more than 350 employees around the world, OptiProERP is more than a software provider. We are a total business solution and partner for small and midsize manufacturers.



Our Technology

Built with SAP Business One at its core, OptiProERP extends a world-class and best practice business management / digital core platform to provide innovative ERP software and comprehensive professional services together as a “whole” business solution. OptiProERP allows manufacturers to enter into the world of comprehensive and future ready technological solutions that are typically available to larger companies but at a cost that is attractive to small and midsize companies. Now, with OptiProERP, comprehensive business management and manufacturing tools are available to small and mid-sized manufacturers without the cost and complexity.



Years in Business

20+



Customers

3000+



Employees

350+



Global Offices

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