Manufacturing

Increase flexibility and innovate quickly.

Asset Management | Environment, Health, and Safety | Industrial Insights | Manufacturing Execution for Industry 4.0 |
Manufacturing Networks | Manufacturing Operations | Manufacturing Process Planning

varian

Varian Medical Systems Inc.
Read how Varian Medical Systems is transforming its business with SAP Digital Supply Chain solutions.

Read the business transformation study >

Gebhardt

Gebhardt Fördertechnik GmbH
Learn how Gebhardt developed its new platform using SAP Leonardo technologies, SAP Cloud Platform, the SAP IoT Application Enablement toolkit, and SAP Asset Intelligence Network.

Read the business transformation study >

Hanon SYSTEMS

Hanon Systems
See how Hanon Systems, a leading manufacturer of automotive thermal and energy management solutions, is working with SAP to go digital and stand out against competitors.
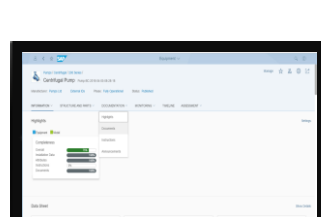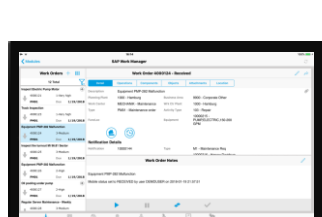
Watch the video >

Asset Management

Improve the health of your assets, increase collaboration, and accelerate performance with integrated enterprise asset management.

✓ **Asset Prediction and Optimization**
Eliminate unplanned asset downtime with predictive maintenance and optimized service.

✓ **Asset Network and Collaboration**
Enable secure asset information collaboration across your business network.

✓ **Maintenance Execution**
Help ensure optimal operation and maintenance execution of enterprise assets.

✓ **Mobile Asset Management**
Enable mobile maintenance processes to improve technician productivity, asset uptime, and safety.

✓ **Asset Strategy and Performance**
Analyze critical performance of assets and optimize maintenance strategies.

✓ **Maintenance Planning and Scheduling**
Plan and schedule maintenance tasks synchronizing labor, material, equipment, and schedules.

SAP Work Manager

Empower your workforce with everything it needs to efficiently install, inspect, maintain, and repair assets in the field anytime, anywhere, and regardless of connectivity with the SAP Work Manager mobile app.

Learn more

SAP Asset Intelligence Network

Collect and track equipment information in a central repository, and get up and running quickly and cost-effectively in the cloud with minimal IT costs, low maintenance, and top-notch security.

Learn more

Environment, Health, and Safety

Reduce environment, health, and safety (EHS) risks to help ensure safety and business continuity.

✓ **Connected Worker Safety**
Provide improved ability to react quickly when and if a hazardous situation arises involving the workforce, with the SAP Connected Worker Safety solution.

✓ **Health and Safety Management**
Reduce risks by taking a proactive approach to health and safety management.

✓ **Maintenance Safety and Permit to Work**
Control maintenance work through clear safety instructions and permits.

✓ **Environment Management**
Reduce your environmental impact with comprehensive environment management.

✓ **EHS Incident Management**
Identify and resolve safety issues and learn from incidents.

✓ **Management of Change**
Manage operational changes with thorough review, risk mitigation, and documentation approval.

SAP Connected Worker Safety

Organize and catalog monitoring devices used by the workforce, and detect potential hazards while overseeing on-the-job tasks.

Learn more

SAP Environment, Health, and Safety Management

Proactively identify, analyze, and mitigate environment, health, and safety risks; manage chemicals safely; monitor industrial hygiene; and reduce your environmental impact.
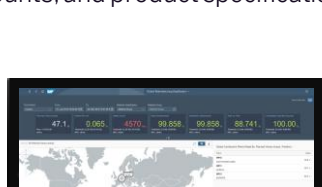
Learn more

Industrial Insights

Manage manufacturing performance across plants using standardized and customized KPIs to optimize manufacturing operations and predict quality.

✓ **Digital Manufacturing Cloud for Insights**
Ensure the pace of process improvements through shared situational awareness.

✓ **Manufacturing Analytics**
Leverage out-of-the-box analytics for key manufacturing figures, amounts, and product specifications.

✓ **Enterprise Performance Management**
Enable continuous improvement with integrated, accurate operational performance data.

SAP Digital Manufacturing Insights

Enable key manufacturing operations stakeholders to make tactical and strategic decisions to help achieve best-in-class manufacturing process performance.

Learn more

SAP Digital Manufacturing Cloud

Execute manufacturing processes, analyze manufacturing and business data, and integrate systems with a cost-effective, high-quality, and resource-efficient method based on Industry 4.0.
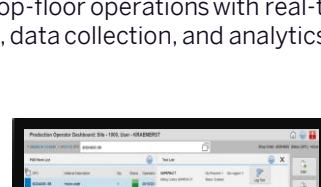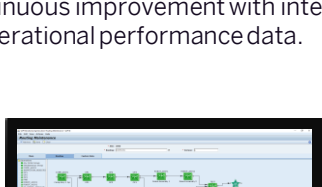
Learn more

Manufacturing Execution for Industry 4.0

Connect, monitor, and tightly control manufacturing processes and operations by integrating with business and manufacturing systems to enable efficient, high-quality production on the shop floor.

✓ **Manufacturing Execution for Engineer to Order**
Manage simple and complex manufacturing in today's competitive market.

✓ **Manufacturing Execution**
Improve efficiency through execution and continuous control.

✓ **Enterprise Performance Management**
Enable continuous improvement with integrated, accurate operational performance data.

✓ **Manufacturing Execution for Configure to Order**
Improve efficiency through execution and continuous control.

✓ **Manufacturing Execution for Make to Order**
Improve efficiency through execution and continuous control.

✓ **Extended Production Operations**
Manage shop-floor operations with real-time insight, monitoring, data collection, and analytics.

SAP Manufacturing Execution

Digitalize manufacturing processes and integrate business systems using a cost-effective, high-quality, and resource-efficient methodology based on Industry 4.0 technology.

Learn more

SAP Manufacturing Integration and Intelligence

Get the manufacturing intelligence and visibility you need to run in real time, and tightly integrate your manufacturing processes with business operations.
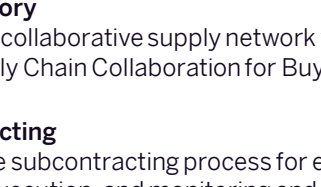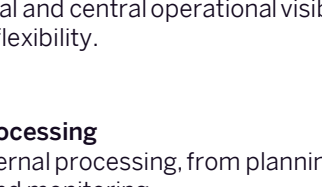
Learn more

Manufacturing Networks

Find hidden production capacity in your existing resources for greater success.

✓ **Manufacturing Network**
Increase local and central operational visibility and production flexibility.

✓ **External Processing**
Manage external processing, from planning to execution and monitoring.

✓ **Supply Chain Collaboration – Forecast, Quality, and Inventory**
Establish a collaborative supply network with the SAP Ariba Supply Chain Collaboration for Buyers solution.

✓ **Subcontracting**
Manage the subcontracting process for enhanced planning, execution, and monitoring and increased visibility.

Ariba Network

Make it easier for buyers and suppliers to collaborate on transactions, strengthen their relationships, and discover new business opportunities.

Learn more

SAP S/4HANA

Compete in the digital age with a proven framework for best practices and quality operations in customer, asset, and financial management, and develop digitally enabled stock for heavy equipment, fabricated metals, and more.
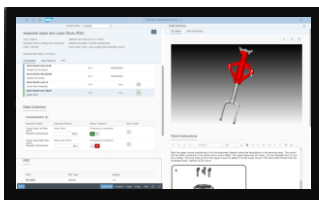
Learn more

Manufacturing Operations

Identify and prioritize critical material issues and maximize enterprise-wide visibility across supply, production, inventory, and demand.
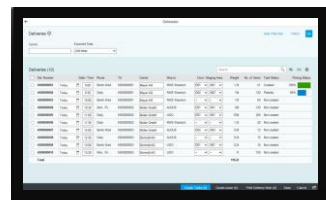
✓ **Kanban**
Drive lean Kanban execution that reduces operating costs.

✓ **Production Execution**
Move quality products through production execution faster for timely customer delivery.

✓ **Production Scheduling**
Help ensure the feasibility of production plans with integrated production scheduling.

✓ **Project-Driven Manufacturing, Procurement, and Assembly**
Run seamlessly integrated processes with project-driven manufacturing, procurement, and assembly.

✓ **Quality Improvement**
Support quality improvement through more visible key performance indicators.

✓ **Production Control**
Take control of production to support high-quality, efficient manufacturing.

✓ **Constraint-Based Production Planning**
Shorten lead times at low cost with constraint-based production planning using SAP S/4HANA.

✓ **Production Warehouse**
Improve your enterprise productivity with efficient production and process material flow.

✓ **Quality Planning**
Support sophisticated quality planning.

✓ **Quality Inspection**
Increase efficiency through comprehensive quality monitoring and tracking.

SAP S/4HANA Manufacturing

Deliver an enhanced, comprehensive, and simplified user experience that enables enterprise-wide manufacturing collaboration with SAP S/4HANA.

Learn more

SAP Extended Warehouse Management

Optimize inventory tracking, cross-docking, distribution operations, multichannel fulfilment, and more all in real time with fully integrated quality, production, and track-and-trace processes.
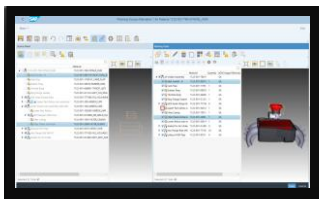
Learn more

Manufacturing Process Planning

Improve efficiency and consistency by managing the handover from engineering to manufacturing.
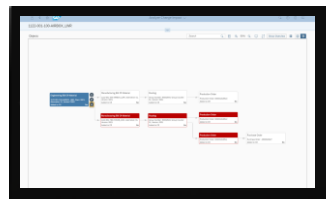
✓ **Handover to Manufacturing**
Simplify and accelerate the transition of engineering master data into manufacturing production data.

✓ **Quality Planning**
Support sophisticated quality planning.

✓ **Manufacturing Engineering**
Simplify, enrich, and extend digital collaboration between product design and manufacturing engineering.

✓ **Production BOM Management**
Accelerate time to market with efficient production bill-of-materials (BOM) management.

✓ **Quality Improvement**
Support quality improvement through more visible key performance indicators.

SAP 3D Visual Enterprise Generator

Translate nearly any 3D CAD file into a lightweight format for downstream use, and support specific work processes in engineering, manufacturing, and maintenance.

Learn more

SAP S/4HANA

Increase visibility and agility across your digital supply chain by leveraging machine learning for logistics, manufacturing, and asset management.

Learn more

Interested?

Reach out with comments, questions, or feedback.

Contact us

THE BEST RUN **SAP**