

Production control

Empower production teams to continually improve processes, reduce waste, and ensure product availability and quality to drive production lifecycles and meet your customers' demands.

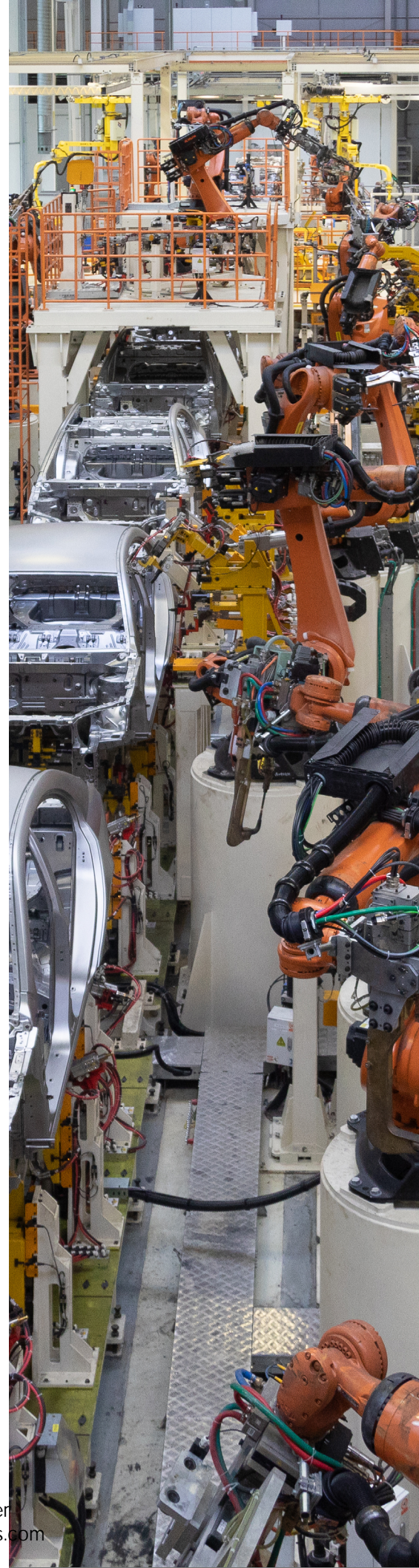
Satisfy customer demand for products

Production control seeks to address three interrelated questions: how much product needs to be produced, when, and what resources will be required? Answering these questions challenges companies to manage, integrate, and leverage a staggering amount of data from across the organization. To meet market demands, businesses need a production control solution to organize and manage the end-to-end manufacturing process.

Dynamics 365 Supply Chain Management

Dynamics 365 Supply Chain Management's production control solution handles every step in the production lifecycle, providing the deep integration required to facilitate the information flow that modern manufacturing demands to enable efficient production of products. By bringing together data from across the organization, Supply Chain Management serves as the production process's connective heartbeat for manufacturing operations.

Dynamics 365's product control solution enables the deep integration required to facilitate the information flow that modern manufacturing demands.



Benefits

Streamline planning and execution

Optimize planning by letting the scheduling engine locate the right resources for jobs based on real-time capacity constraints. Then use visual scheduling to mind material availability and optimize the tactical plan.

Leverage insights from IoT data

Improve throughput, quality, and uptime by using the Sensor Data Intelligence Add-in to Dynamics 365 Supply Chain Management. Gather insights from the sensors on the factory floor to improve the Overall Equipment Effectiveness and enable near real-time visibility of process performance.

Build smarter factories

Create a connected factory with sustainable and adaptable manufacturing processes that use AI, IoT, and mixed reality to accelerate product innovation and time-to-market.

Continually improve with OEE

Reduce production costs by visualizing and measuring OEE to identify improvement opportunities, minimize production downtime, and eliminate waste.

Improve productivity

Boost resiliency and productivity by ensuring the Manufacturing Execution Systems run out-of-the-box 24x7 without latency in a distributed, loosely-coupled high-throughput model on the cloud or edge.

Key features

Transform the workforce

Create production orders, schedule production, check capacity planning, and maintain a single source of truth to guide production decisions.

Agile manufacturing

Utilize a single solution to perform discrete, process, and lean manufacturing with strategies like make-to-order, make-to-stock, configure-to-order, and engineer-to-order.

Resource management

Define facilities, work locations, tools, machines, and human resources quickly and easily.

Lean manufacturing

Use lean manufacturing strategies in a unified manufacturing environment to combine various supply, production, and sourcing strategies.

Dynamics 365 enables digital production that integrates and optimizes the systems and processes that make up the modern manufacturing environment, allowing you to produce items better, faster, and cheaper.

