

Master planning

Plan supply and distribution throughout the day in near-real-time with in-memory services, ensuring that the right inventory is in the right place at the right time.

Balance demand and supply in real-time

Meeting customer demands is more challenging today than ever before. Businesses need to quickly adapt to changing trends to ensure the right products are available at the right time. Bridging this gap requires intelligent planning and a real-time understanding of the materials and capacities required to complete production goals. Modern manufacturers need solutions that allow them to plan strategically, streamline processes, and hit production targets on a consistent basis.

Dynamics 365 Supply Chain Management

Dynamics 365 Supply Chain Management's master planning capabilities help businesses optimize resource planning and production. Demand forecasting capabilities enable businesses to intelligently anticipate needs while planning tools help ensure they have the right resources—including raw materials, workforce, and machinery—to meet customer demands. Planning optimization allows companies to turn a 5-hour task into a 5-minute task so that production plans can be run multiple times a day, reducing total lead time, increasing production throughput, and improving customer responsiveness.

Planning optimization allows companies to turn a 5-hour task into a 5-minute task, reducing lead time, increasing throughput, and improving responsiveness.



Benefits

Meet customer demands every time

Leverage intelligent planning and resource management tools to ensure the right raw materials and resources are in place at the right time to optimize inventory volumes and exceed customer expectations.

Optimize production planning

Utilize dynamic planning to optimize planning performance. Reduce run times from hours to minutes and incorporate near real-time insights into changes on the supply side, as well as with existing orders.

Minimize carrying costs

Create accurate demand forecasts to plan the right inventory volumes and automate raw materials orders, ensuring just-in-time delivery and reducing inventory and raw material carrying costs.

Streamline operations with automation

Utilize inventory policies and process automation to improve efficiency and speed production timelines across the manufacturing process.

Plan strategically based on insights

Leverage data-driven insights and intelligent tools to optimize short- and long-term resource and capacity requirements.

Maximize capacity utilization

Strategically allocate resources—including workers, machines, work centers, plants, and organizations—to reduce downtime, speed delivery, and maximize resource utilization.

Key features

Planning optimization

Consistently deliver product on-time by performing production planning multiple times a day to detect and incorporate changes in demand capacity constraints.

Demand forecasting

Create intelligent, data-driven forecasts, and create measurements of forecast accuracy and adjust forecast as needed.

Material requirement planning

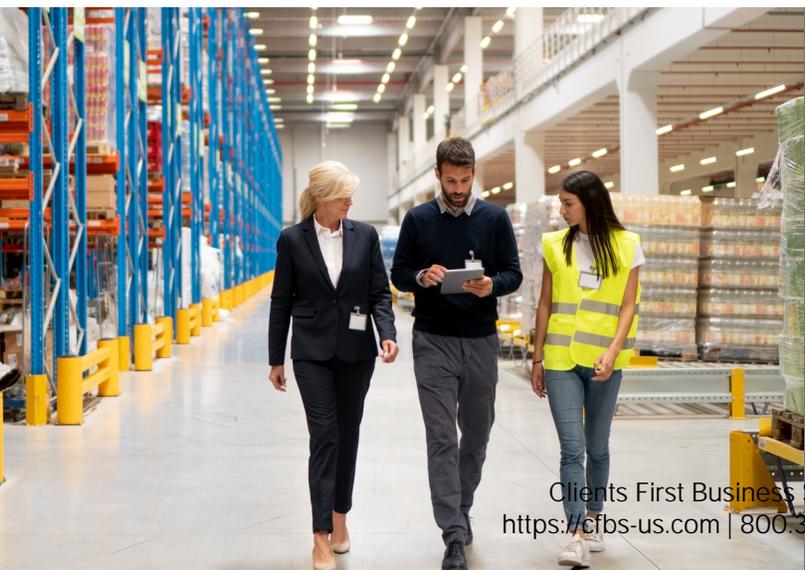
Determine what materials are needed and schedule order release dates based on demand to meet customer needs while minimizing material and inventory carrying costs.

Capacity planning

Optimize resource allocation based on demand and supply fluctuations in real-time to minimize overtime and improve equipment allocation.

Inventory policies

Improve inventory turns by right-sizing inventory levels based on dynamically changing customer demand and capacity constraints.



Dynamics 365 helps businesses accurately predict demand, strategically procure raw materials, and ensure resource availability to improve operations, reduce costs, and meet customer demands every time.