



QAD MANUFACTURING

Manufacturers face ongoing challenges that inhibit growing revenue and profit: Customers desire product configurability and customization, and expect DIFOT, excellent quality and great service. Supply chains operate in constant flux that put pressure on inventory and material management to prevent excess inventory and stockouts. Complying with ever-changing government regulations and industry requirements is needed to manage risk and brand. Accurate and timely planning is essential to run production effectively, particularly given that manufacturers increasingly run mixed mode. New technologies, from cloud and the Internet of Things to [advanced analytics](#) and robotics, necessitate innovative changes to remain competitive.

HOW WELL CONNECTED ARE YOUR MANUFACTURING OPERATIONS WITH THE BUSINESS?

Manufacturers still rely on outdated processes or fail to understand the role [digital transformation](#) and manufacturing ERP software play in maximizing production efficiency and performance.

Digital technology allows manufacturers to effectively connect production and supply chain with the rest of the business. This provides the ability to better deal with impulses like demand and supply fluctuations or configuration changes of a customer order that requires different materials, parts, or machining operations.

DOES YOUR ORGANIZATION HAVE TIMELY ACCESS TO PLANNING, PRODUCTION, FULFILLMENT AND OTHER INFORMATION?

Manufacturers create volumes of data across raw materials, production equipment, capital assets, supply chain and other areas. Often, this information remains in silos which limits its value.

Transparency and access to [real-time data](#) are keys for empowering manufacturing professionals to tackle problems and improve decision making. Deeper insights and real-time operational decisions improve process efficiency, enhance production monitoring and maximize customer satisfaction.

HOW RAPIDLY CAN YOU RESPOND TO QUALITY ISSUES THAT MIGHT IMPACT CUSTOMER SATISFACTION?

Tracking, recording and responding to quality issues is a time-consuming, frustrating and inefficient process. However, quality management is essential to maintain customer satisfaction and your competitive advantage.

By tightly connecting quality with [manufacturing ERP](#), manufacturers can proactively manage and rapidly respond to quality issues. This ensures quality objectives are met across the manufacturing organization.

Outcomes

QAD Manufacturing provides processes for discrete, repetitive, multi- and mixed-mode, Kanban, flow, batch and formula process and co-products/by-products manufacturing. It supports mass customization of products in response to customers' unique requirements, and measures and tracks performance and quality. Typical business improvements include:

IMPROVE
master planning
and scheduling
accuracy

BOOST
manufacturing
performance

INCREASE
real-time
production
insight

**RAPIDLY
RESPOND**
to demand
changes

IMPROVE
overall
equipment
effectiveness

Key Strengths

QAD Manufacturing fully integrates planning, scheduling, quality, cost management, material control and shop floor control. It adapts to any style of manufacturing and specific approaches by region and/or site. Quality metrics, central model management and automated data collection ensure accurate, timely product, material and inventory information.

Integrates with QAD Adaptive ERP and other QAD solutions, making it straightforward to implement best practices across manufacturing, supply chain, distribution and financial operations

Built specifically for manufacturers and includes industry-specific capabilities to address customers' needs

Architected to provide an agile and flexible manufacturing environment to handle accelerating change

Alerts and exception notifications help manufacturers **better manage** inventory, shop floor, quality, production and other manufacturing activities

Core Capabilities

Manages and monitors manufacturing and shop floor operations with a single, centralized solution

Quickly simulate and respond to changes in demand or product mix

Captures material and production data, and print labels according to specific manufacturer, supplier and/or customer formats

Complies with various regulatory standards and industry requirements

Determines work center load and generate accurate capacity requirements plans for a department, work center or machine

Expedites material replenishment to buffer stock locations reserved for specific production lines or work centers

Extends track and trace capabilities with visibility of current and historical lot controlled inventory

Simulates schedule changes and the impact to customer deliveries and capacity

Calculates projected inventory, schedule and planned orders

For more information on how QAD Manufacturing can help your company, please view the [Brose Thailand](#), [Aesica Pharma](#) or [Wander case](#) study.



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