

Manufacturing

Apprise® ERP offers fully integrated MRP II functionality designed to optimise your single or multi-location operations with real-time visibility, collaboration and control. Maximise your business efficiency with modular tools that improve data sharing and control over scheduling, component materials, work stations, labour, costing and other factors important to your manufacturing operations.

Advanced planning & scheduling (APS)

Our production scheduling solution simplifies daily planning, scheduling and reporting tasks. Smart drag-and-drop tools easily accommodate schedule changes and automatically adjust dependencies while respecting production constraints. Our fully integrated solution enables you to import data directly from Excel, Access and Text files to speed tasks and decision making. And optimisation tools quickly generate resource and material constrained schedules to reliably balance key business goals, including: delivery, setups, costs and output. Spot bottlenecks, plan workloads, create what if scenarios and view inventory and capacity plans side-by-side, for a comprehensive view into planning options and their impact on your business.

Enhanced flexibility

Our flexible make-to-stock and make-to-order work order management helps ensure the right products are available for your customers at the right time. Comprehensive labour, overhead, fixed and variable expense allocation provide maximum cost management insight and control. Multiple level bills of material provide deep visibility into all materials and components that make up your finished products. And sophisticated capacity planning tools enable you to reserve and redirect work centres and production activities based on the evolving needs of your business.

Streamlined operations

Full integration within Apprise ERP enables you to connect and synchronise your operations — including multiple locations and work centres — and share data and insights across your enterprise. Automation of manual tasks such as expediting orders, consolidating information and updating spreadsheets, frees your team to work more proactively on other high-value tasks. Utilise backflush bins to streamline the material inputs for work orders and kits, and gain assembly efficiencies. Optimise the use of backordered materials by allocating them to work orders based on your business rules, to enhance sales and revenue potential. Leverage disassembly work orders to streamline product returns and restocking. Efficiently route, group or allocate work orders to assembly lines.

Get streamlined management of your global operations from capacity planning and costing to flexible routeing.

Apprise® Manufacturing

- > Choose from *light* manufacturing for basic assembly operations or *advanced* for complex manufacturing that requires robust production and scheduling tools
- > Manage bills of material, routings, work centres and teams
- > Item master data (technical data)
- > Master production schedule (MPS)
- > Production resources data (manufacturing technical data)
- > Purchasing management
- > Material requirements planning (MRP)
- > Capacity planning or capacity requirements planning (CRP)
- > Make-to-stock and make-to-order tools
- > Plan and adjust workloads based on capacity
- > Schedule locations independently or interdependently based on your needs
- > Customise KPIs and track impact of schedule changes on key business metrics
- > Compare inventory and capacity plans
- > Real-time visibility helps you spot and stop bottlenecks
- > Powerful inventory planning tools use colour-coded inventory grids and plots that make it easy to visually identify potential shortages or excess inventory
- > Work order allocation for optimised use of backordered materials
- > Work order assembly lines enable you to route, group and allocate work orders efficiently
- > Fixed and configuration kits for standard and optional product combinations
- > Backflush bins
- > Single or multi-job Gantt views
- > Standard costing/management and cost reporting/management for improved cost control
- > Disassembly work orders to effectively manage returns and restocking
- > Connect and synchronise multiple locations and work centres, and share data and insights across your enterprise
- > Forward, backward, manual or special production planning
- > Labour, fixed and variable overhead expense allocation
- > Daily, weekly and monthly schedules give you 360° multi-point, multi-location views
- > Collaborative scheduling system accommodates multiple planners working and rescheduling simultaneously
- > Familiar user interface and intuitive navigation ensure quick user adoption and success
- > Constraint-based MRP generates production and purchasing plans in seconds
- > Smart drag-and-drop tools make scheduling changes easier — automated change tools maintain all constraints while adjusting dependencies
- > Accurate auto scheduling for out-of-the-box constraint handling of the most common production needs: sequence-dependent changeovers; labour, machine and tooling resources; finite, infinite, and multi-tasking; batch resources, overlapping resource capabilities, and detailed work calendars
- > Create *what if* scenarios for maximum planning efficiency, including broad or granular views on new orders, expedites or resource changes



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