PRONTO Xi

Applications Overview

Manufacturing Planning

Part of the Manufacturing application

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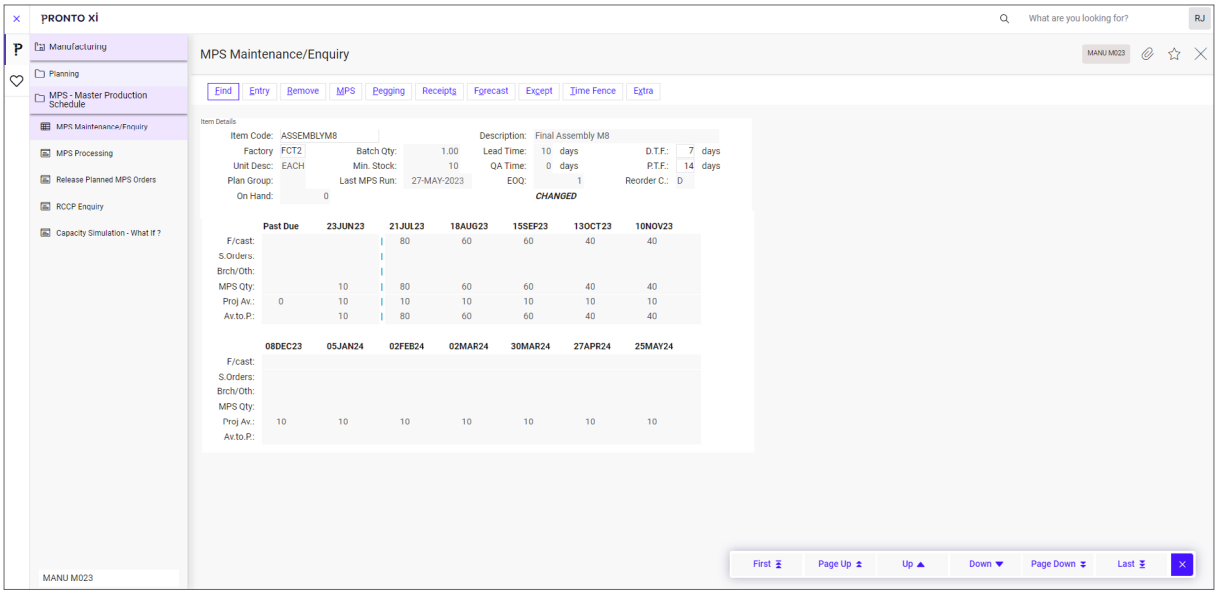
Manufacturing Planning

Optimise your materials and capacity planning over single or multiple sites with Manufacturing Planning

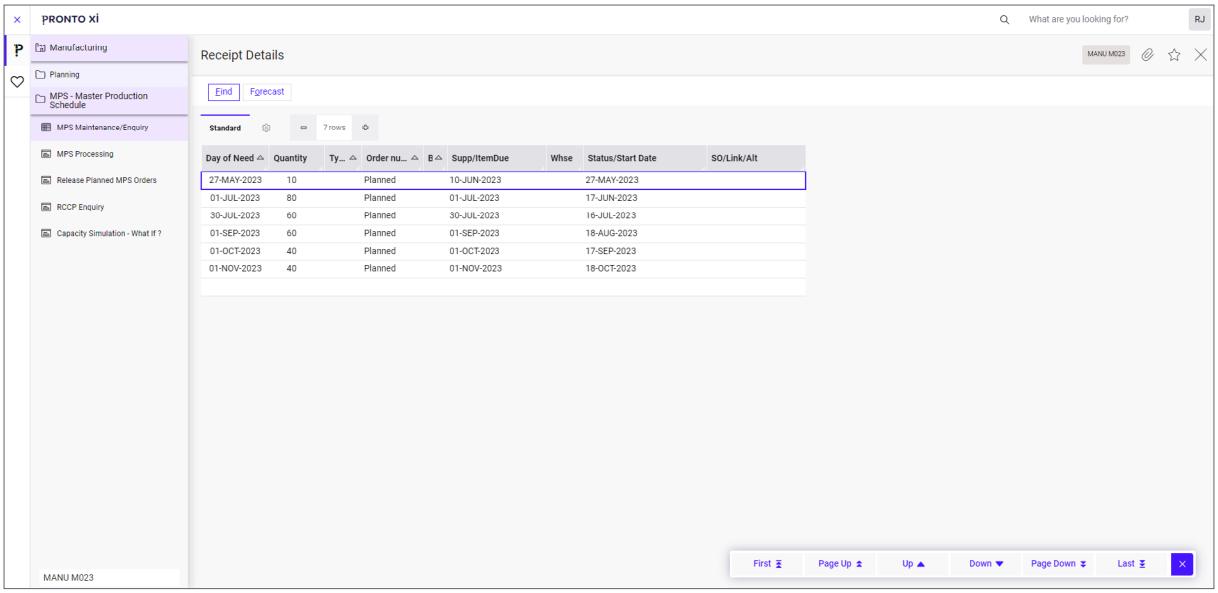
Pronto Xi's Manufacturing Planning module makes it easy to aggregate demand from a network of distribution centres by combining actual orders, forecasts, Distribution Requirements Planning (DRP), days cover, and minimum/maximum replenishment logic.

Use Production Planning, Master Production Scheduling (MPS), Material Requirements Planning (MRP), DRP, super bills, planning BOMs and supply/demand data from the inventory and distribution system to create a list of planned work orders.

Once verified, planned work orders automatically convert to a work or purchase order in bulk, grouped by product or other operational requirements. The system generates MRP exception messages while factory-loading capacity and materials information is displayed graphically in the Manufacturing Scheduler.



Display when production will be released, completed and available



Manage planning requirements in real time

Production Planning

Production Planning (PP), super BOMs and planning BOMs facilitate the sales and operations planning process. The Production Plan sets the overall level of manufacturing output and other activities to most effectively satisfy the current and projected levels of sales and forecasts.

Enter production plans by quantity or dollars at the planning group level and explode via a super BOM and bill of resources to establish and develop production rates and support plans for material procurements and workforce requirements.

Master Production Scheduling

Master Production Scheduling (MPS) is the anticipated build plan for critical manufactured items that drive the overall manufacturing plan. It includes the projected on-hand inventory and the available-to-promise quantity represented by demand, forecast and backlog.

The MPS sets out the quantity of each manufactured item that you plan to manufacture each month. Set planned quantities up to 12 months in advance.

A data grid in the MPS Maintenance/Enquiry screen lets you sort and filter MPS data. Filter using inventory fields, such as planning group, reorder policy, warehouse and condition code, then save views and drill through to MPS results, including pegging details, receipts and exception details.

Rough-cut Capacity Planning

Rough-Cut Capacity Planning (RCCP) enables you to convert the MPS into requirements for key resources such as labour, machines, warehouse space and suppliers' capabilities.

Material Requirements Planning

Material Requirements Planning (MRP) organises the release of recommended replenishment orders at the appropriate date in the current working time bucket to satisfy the demand for items when they become due.

With MRP, you can:

- create planned work order requirements for components and sub-assemblies
- produce a list of suggested purchases to satisfy the known demand
- plan the completion dates for work orders using lead time
- print released planned orders and exception reports

Planned work orders are a result of the time phasing of demand management. The net requirement for items is exploded through all levels of their BOM to determine the gross requirements at each level. Applying lead time and adjusting for on-hand and on-order quantities at each level determines the timing and quantity of purchasing and manufacturing.

Pronto Xi's planning engine enables sourcing and production visibility across multiple factories. It facilitates alternate factory planning, resulting in more efficient manufacturing operations.

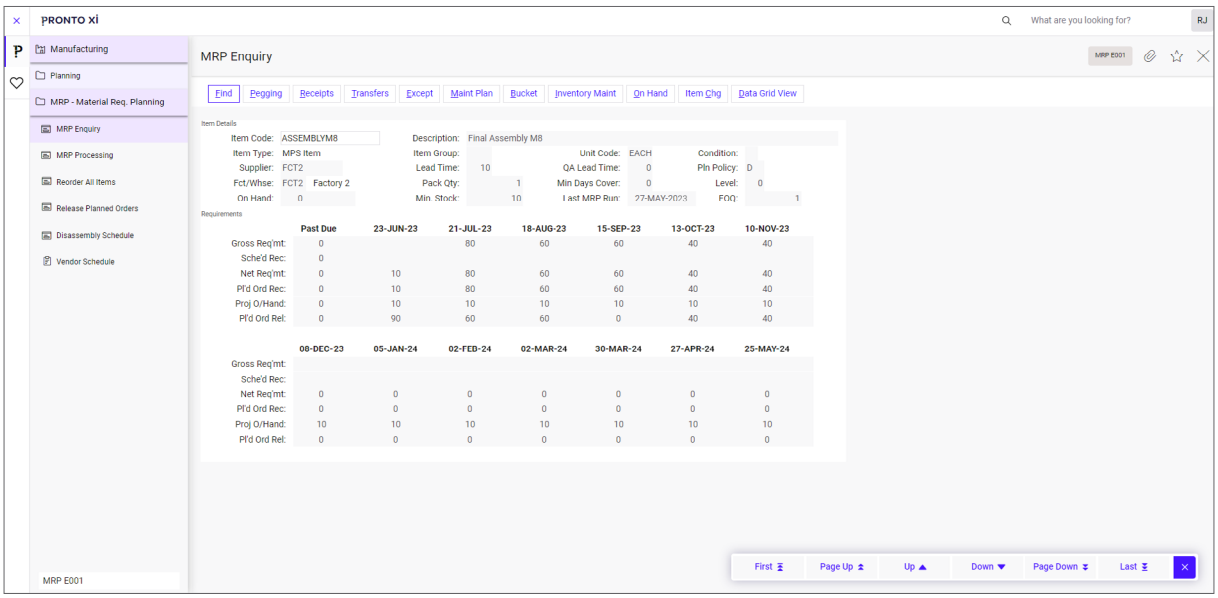
In addition, MRP, DRP and MPS run sequentially in a single routine, ensuring up-to-date demand quantities.

A vertical MRP view, in addition to a horizontal view, helps you visualise results easily.

Capacity Requirements Planning (CRP)

Capacity Requirements Planning (CRP) creates a detailed plan by department or work centre based on the constraints defined by the calendar of resource availability.

The CRP process uses finite scheduling and infinite scheduling to produce a detailed plan of all open work orders and planned requirements from the MRP.



See material requirements for products at a glance

About us

PRONTO SOFTWARE

We are an Australian developer of award winning business management and analytics solutions. Pronto Xi, our Enterprise Resource Planning (ERP) software, integrates accounting, operational and mobile features in a single system – optimising business processes and unlocking actionable insights. That's why for more than 45 years, over 1,500 Australian and global organisations, across a wide range of industries, have trusted Pronto Xi to simplify their most complex challenges.

With headquarters and our Development Centre located in Melbourne, we have support offices and consultants based across Australia, as well as a global network of Resellers and Solution Partners. Specialised business units within Pronto Software have the expertise to assist you with pivotal technology – Digital Transformation with Pronto Woven, Cloud and Hosting services with Pronto Cloud and Business Intelligence solutions with Pronto iQ.

When you choose Pronto Software, you gain a team with deep industry experience, giving us the ability to understand your specific needs and build innovative solutions that drive business growth and revenue.

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