

# Sage 500 ERP

## Material Requirements Planning

### Manage Material Requirement Planning (MRP) from a Single Planning Screen

It is impossible to understand material and distribution requirements across a large company without advanced planning tools. Sage 500 ERP (formerly Sage ERP MAS 500) uses historical data and advanced replenishment formulas to help you understand current and future material and distribution requirements and how they will affect your business.

Unlike legacy MRP systems, Sage 500 ERP provides single-screen planning. This feature provides up-to-date item statistics, including on-hand quantities, current purchase orders, work orders, transfer orders, and other elements that affect planning decisions. MRP calculations quickly generate suggested work orders for manufactured items, purchase orders for raw materials and subcontracted services, and transfer orders to move material between warehouse locations.

MRP also integrates with the Sage 500 ERP Project Accounting system. This integration provides a critical management system for companies with material-intensive projects. It is also a key integration point for both manufacturers that make-to-install and engineering firms that design parts that are later manufactured into prototypes and finished goods.

The planning activity provides insightful information to help you make purchasing and production scheduling decisions based on industry-standard practices and flexible, real-life circumstances. Planning personnel can maintain plans by version. This allows them the flexibility they need to manage material and distribution plans by product line, by manufacturing facility, and other user-defined criteria. In fact, the Sage 500 ERP interactive planning methodology is one of the easiest material management systems available today.

The added flexibility to override the vendor or buyer allows you to make the right procurement decisions for your company every time.

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## BENEFITS

- Produce accurate material and distribution plans using advanced replenishment formulas and demand forecasting principles.
- Easily customize plans prior to MRP generation using flexible sorting and selection criteria.
- Multiple MRP versions enable management of separate MRP plans by product line, by manufacturing facility, by warehouse, or other user-defined criteria, with what-if simulation.
- Easy-to-use single planning screen creates suggested purchase orders, work orders, and transfer orders.
- Manage transfer orders from feeder warehouses to subsidiary warehouses and run Capable to Promise inquiries during Sales Order Entry.
- Integration with Project Accounting provides buyers and project managers with effective management of project materials
- Integration with Advanced Planning and Scheduling provides the capacity to synchronize manufacturing material needs to production resource availability, creating resource constrained material plans and lower material inventories.