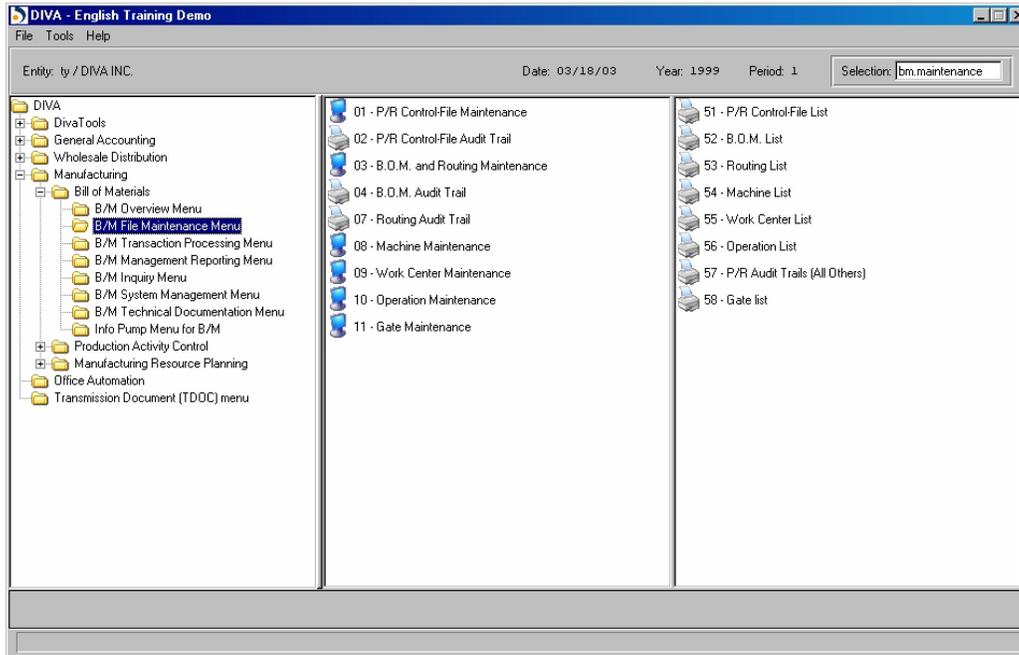# Bill of Material

Bill of material management

- Allow different departments to use separate BOMs (e.g., prototype BOMs for engineering, costing BOMs for accounting)
- Create multilevel, single-level and open-ended BOMs to match your business need
- Define unlimited roll-up points in multilevel BOMs to evaluate level-by-level and cumulative costs and lead times

- Use extended "phantoms" on BOMs to better manage service parts
- Treat phantom orders as regular items or phantom items on individual BOMs
- "Where used" information shows you the effect of change in your product structure

Product costing

- Define and track material and labor burden, operations, work centers and machines for improved product costing
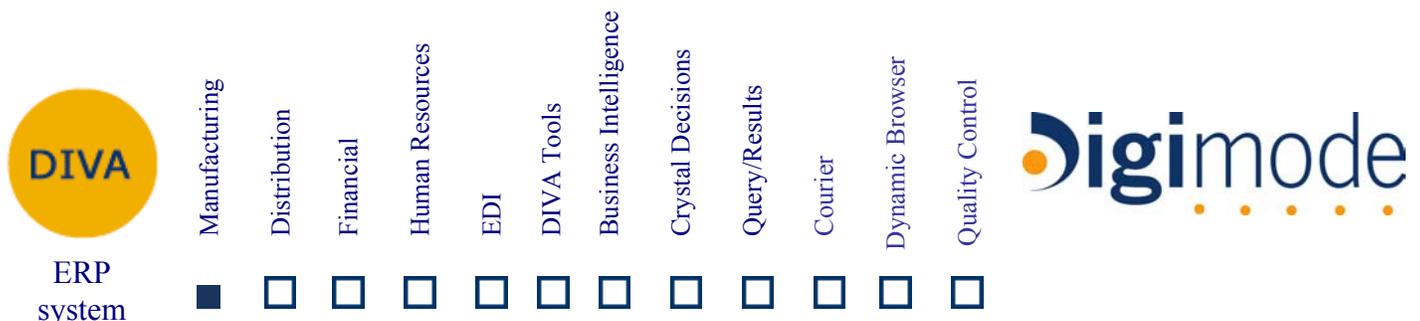- Operations show hours required, setup and labor rates and outside processing costs

Production management

- Use manufacturing gates to manage production flow and create WIP in a "work orderless" environment
- Improve management of JIT manufacturing by backflushing raw materials to specified manufacturing gates
- Manually override product flow routings to redistribute capacity to meet tight deadlines

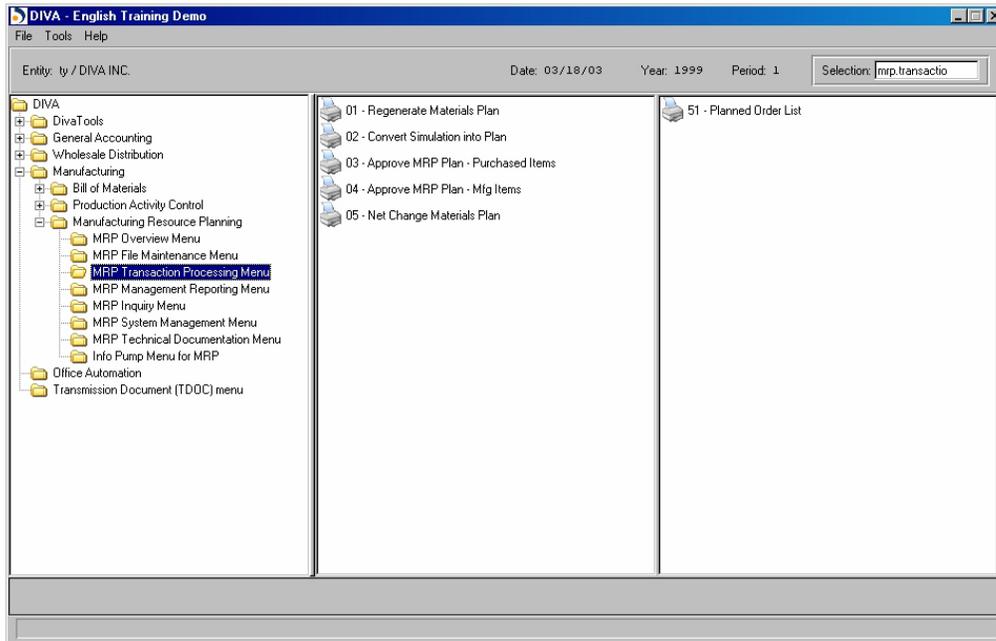## Enterprise-wide item management

- Improve order entry functions with automatic product configuration, which walks the user through final assembly features and options
- Drill up or down for system-wide item visibility

DIVA

ERP system

Manufacturing ■ | Distribution ☐ | Financial ☐ | Human Resources ☐ | EDI ☐ | DIVA Tools ☐ | Business Intelligence ☐ | Crystal Decisions ☐ | Query/Results ☐ | Courier ☐ | Dynamic Browser ☐ | Quality Control ☐

digimode

Manufacturing Resource Planning (MRP II)

Planning and scheduling
- Perform MRP in net change mode for faster recalculation or use full regenerative mode
- Maintain smooth operations with regular exception reports to identify problems early
- View a detailed time phase inventory from the last MRP run
- Create two-level master production schedules
- Produce simulated production schedules and forecasts
- Use blow-through logic for raw materials planning

- Interface to Diva Production and Purchase Order modules by automatically generating work orders and PO requisitions, based on the MPS

Forecasting
- Improve forecasting by comparing past plans with actual results
- Forecast MRP by customer, salesperson, territory or warehouse
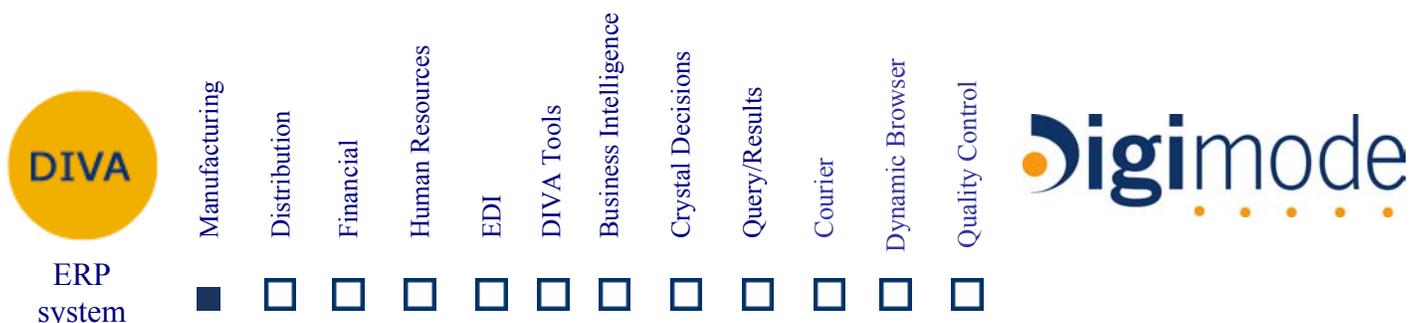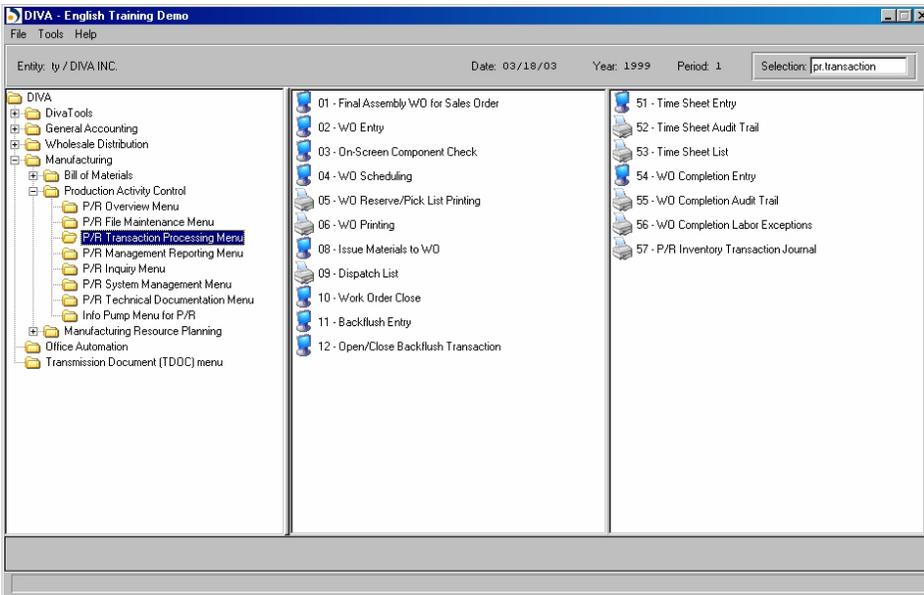- Forecast by daily, weekly or monthly time periods

Demand management
- Allow actual sales to directly consume the forecast to avoid "double-driving" WIP
- Automatically drive planning from sales when sales exceed forecast and retain forecast planning when demand remains on target
- Define "freeze" periods with time fences
- Define planning horizons
- Size lots by minimum order quantity, maximum order quantity and order multiples
- Peg upward from online work orders directly to sales orders to prioritize production
- Zoom directly to pegging details for each demand and receipt

Capacity planning
- Report capacity levels
- Drive capacity requirements planning from MRP

Production Activity Control

Management module

Production management

- Use manufacturing gates to manage production flow and create WIP in "work order-less" environment
- Improve management of JIT manufacturing by back flushing raw materials to specified manufacturing gates
- Manually override product flow routines to redistribute capacity to meet tight deadlines
- Automatically interfaces with DIVA Inventory

Work orders

- Track and schedule work orders
- Create final assembly work orders from sales orders
- Generate work orders for specific customers and due dates
- Automatically generate pick lists, dispatch lists and travelers with work orders

Reports and queries

- Report planned vs. actual efficiency and utilization for labor, work centers, machines and other production factors
- Analyze variances at aggregate (e.g. product assembly) and detail (e.g. individual operator) levels
- View work order headers by work order number or item number
- Directly zoom to all supporting information on work orders
- Access labor information associated with work orders, including time sheet details for each labor element
- Use manufacturing gates to manage production flow and create WIP in a "work orderless" environment
- Efficiently report highlight deviations from standards, by employee and department

Job Shop

Job and estimate creation

- Create bills of materials on the fly using temporary, "one of" items
- Easily prepare job estimates online without committing resources
- Create and estimate new items in a single step
- Copy and modify information from existing jobs to easily create similar jobs
- Produce multilevel structures

Costing

- Retain the actual cost of completed items for the life of the job
- Create more accurate pricing by combining traditional overhead calculations with target-margin markups

Production management

- Schedule the critical production path based on due date, machine availability and other factors
- View approved work orders and jobs in a graphical timeline format
- Zoom directly to all related information for a job, item or estimate
- Control job shop items through Manufacturing Resource Planning for better planning and scheduling
- Automatically generate work orders and customer quotes to feed sales and invoice systems

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ERP system

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