Engineering Change Management

Microsoft Business Solutions

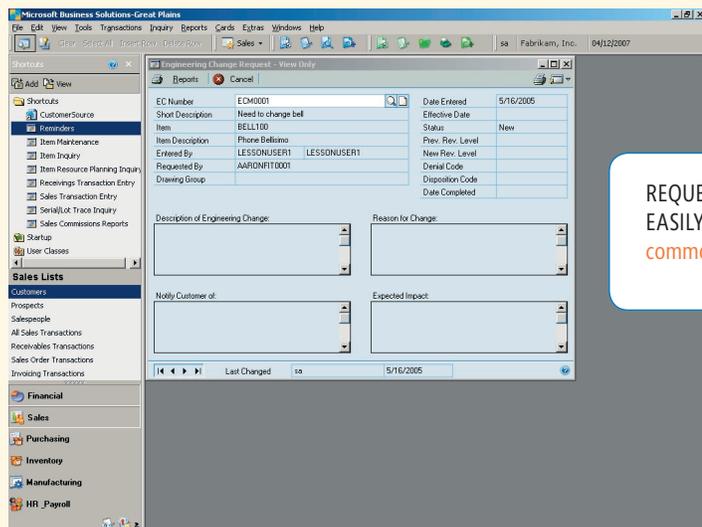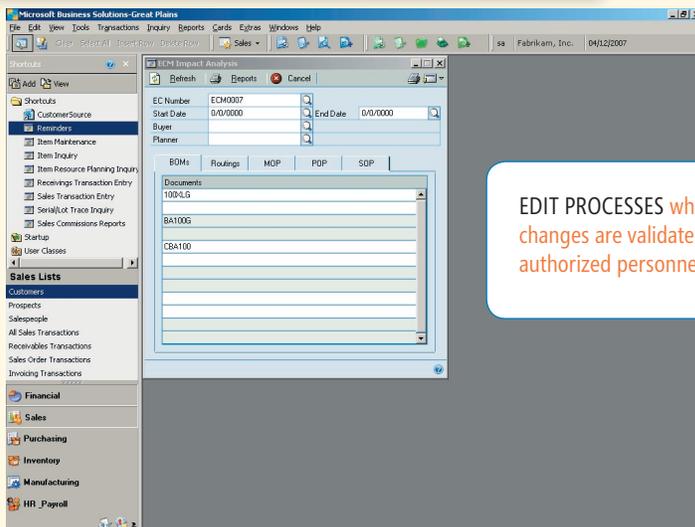### As markets accelerate, so does the pace of change.

New technologies and new customer demands increase the pressure on engineering to make process and component adjustments that accommodate such changes while maintaining or improving efficiencies and profitability. Microsoft® Business Solutions–Great Plains® Engineering Change Management helps manufacturers organize and control this dynamic process.

REQUEST CHANGES EASILY from a simple common form.

EDIT PROCESSES when changes are validated by authorized personnel.

B E N E F I T S

Better understand the implications of change

By providing an easy means to collect, organize, and review changes before authorization, Engineering Change Management helps you ensure that engineering change requests are strategically sound before they become orders.

Support customer satisfaction

Ensure that engineering changes yield production efficiencies—while controlling costs—and help maintain high levels of customer satisfaction.

Improve visibility for better decision making

Identify affected items resulting from engineering change orders with advanced query capabilities. Detailed historical records of engineering change orders (ECOs) help management understand why changes have been made—and their impact on profitability.

Ensure efficient production

Eliminate the potential for confusion on the shop floor with better organized and more accessible engineering change information. Help ensure that product builds take place according to correct revision models without having engineers walk the floor, communicate manually, punch revision stamps, or make new bills of material or routings.

Closely monitor implementation of change orders

Monitor engineering more effectively with ECO aging functionality—ensuring that authorized changes move forward expeditiously.

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FEATURES OVERVIEW

Consolidation of Engineering Change Information	Consolidate engineering change information data in a single repository that makes it easy to collect, organize, analyze, and authorize proposed engineering changes to products and production processes.
Advanced Query Functionality	Easily identify all affected elements resulting from a proposed engineering change—across all manufacturing modules—with advanced query capabilities.
Workflow	The built-in workflow automatically assigns engineering change requests to appropriate personnel for review and authorization, helping ensure that the effects of change are thoroughly considered before implementation.
Revision Control	Product model revision levels and effective dates are closely tracked for all items affected by engineering change orders. Online, user-defined information regarding change effects make the results of ECOs clear throughout the organization.
Engineering Notice Aging	Aging functionality for ECOs allows management to monitor engineering implementation of orders—and help ensure that decisions are implemented in a timely manner.
Statistical Repository	Engineering change statistics track the volume of engineering change requests in process—and identify those requests that are out-of-date.
Request and Edit Functionality	Empower any employee in your organization to request an ECO through the request screen. Requests can be validated, confirmed, and communicated easily by authorized personnel via the edit screen.