

MAX

ECO MANAGER

Track all aspects of an engineering change order and control the planning, approval and implementation process.

Controlling your engineering change orders just got easier. With real-time access to inventory, vendor, sales, and transaction history records your engineering change process is synchronized with MAX to ensure accurate tracking with minimal effort.

CHANGE ORDER MANAGEMENT MADE SIMPLE:

1. Track ECRs & ECOs
2. User Defined Documents
3. Track Approvals & Notifications
4. Project Time Tracking
5. View MAX Data
6. Field Level Security
7. Customizable

Engineering Change Orders – Track ECOs

- Include in any ECO any combination and quantity of parts, bills of material, routings and documents.
- Track Engineering Change Requests (ECRs) as separate items from ECOs.
- Relate ECRs to ECOs to record resolution of requests.
- Review ECOs on-screen and print or e-mail ECOs directly to the persons required for approval and notification.
- Release ECO BOMs and Routings automatically to MAX upon completion.
- Project Tracking feature allows the Engineer to measure the progress of the ECO project by looking at the cost, hours and completeness of the job.
- Track the time spent on each ECO.
- Look up on the Tasks screen all the items affected by an ECO including parts, BOMs, routings, documents and approvals to quickly identify action required.

ECO Bills of Material – Manage ECO Bills of Material

- Each ECO can have a bill of materials (BOM) associated with it, tracking additions, changes and deletions to the BOM.
- Each ECO BOM is tracked separately to document the status of that BOM and where it is in the process of engineering change.
- Once ECOs are approved, ECO Manager allows you to automatically update the MAX BOMs with the approved changes.
- All codes in the master data are user-definable to help tailor ECO Manager to your environment and way of doing business.

ECO Parts – Manage ECO Parts

- Part data can be added or changed directly from ECO Manager. Codes are user-definable within the MAX requirements.
- Engineers can directly access manufacturing data from MAX for parts, bills of material, sales orders, shop orders, manufacturer's parts, inventory, other ECOs, engineering documentation, part notes and invoices.
- Each part on the ECO retains its own data so that status and reason for each part can be tracked separately.

The screenshot shows the 'ECO 'New Keyboard'' form. The 'Title' field is 'New Keyboard'. The 'Status' is 'Requested' and the 'ECO Number' is '13'. The 'Responsibility' is empty and the 'Category' is 'Test'. The 'ECO' tab is selected, showing sub-tabs for Parts, BOMs, Routings, Documents, Approvals, Hours, and Tasks. The 'Reference ECR' section has a 'Date Created' of '10/05/2016'. The 'Project' is 'Alpha', 'Type' is 'Safety', 'Product Line' is 'Model 100', 'Originator' is 'Manager', and 'Phase' is empty. The 'Distribution' section has 'Cost' empty, 'Savings' empty, and 'Priority' set to 'Normal'. The 'Description' area contains links for 'Description of Change', 'Safety Issues', 'Customer Impact', 'Reason for Change', 'Request for Change', and 'Engineering Review'.

Field	Value
Title	New Keyboard
Status	Requested
ECO Number	13
Responsibility	
Category	Test
Reference ECR	
Project	Alpha
Type	Safety
Product Line	Model 100
Originator	Manager
Phase	
Date Created	10/05/2016
Date Released	
Effective Date	
Sched Release	
Cost	
Savings	
Priority	Normal
Distribution	
Description of Change	
Safety Issues	
Customer Impact	
Reason for Change	
Request for Change	
Engineering Review	

Quickly view ECO information

ECO 'New Keyboard'

Title: New Keyboard

Status: Requested ECO Number: 13

Responsibility: Category: Text

ECO | Parts | BOMs | Routings | Documents | Approvals | Hours | Tasks

Select All Deselect All Show Deleted Items Std View

Part	Action	Status	Eff Date	Qty	Responsibility
11000	No Change	Requested		1	
13000		Requested			

Locate and track bills of material from within ECO manager or MAX

The top window is the 'Import Exact MAX BOM' dialog. It has a title bar 'Import Exact MAX BOM'. Inside, there's a section for 'Exact MAX Part' with a dropdown menu and a 'Show Tree On' checkbox. Below that is a date field 'Effectively (unchanged to all)' set to '11/05/2016'. To the right are 'Cancel Parent Search' and 'Select All' buttons. A 'Parent Part Number' field is empty, and a 'Component:' field contains 'Comp.'. At the bottom are 'OK' and 'Cancel' buttons.

The bottom window is the 'Exact MAX Part Master Browser'. It has a title bar 'Exact MAX Part Master Browser'. Below the title bar is a search bar with '100 records' and a checkbox 'Show Second Part Description'. A list of parts is shown with columns 'PRINUM_01' and 'PHDSECT_01'. The first part is '1 11111 Computer, Military (DS)'. The second part is '2 11100 Master Server'. The third part is '4 11111 Model 1300 Family'. The fourth part is '5 11100 Plugboard Case (3.5T/5LR)'. The fifth part is '6 12100 Systems Unit'. The sixth part is '7 12100 Systems Unit, Military (H)'. The seventh part is '8 12100 Cabinet'. The eighth part is '9 12100 Front Panel (Narrow)'. The ninth part is '10 12100 Left Side Panel'. The tenth part is '11 12100 Right Side Panel'. The eleventh part is '12 12100 Cabinet, Gold Panel'. The twelfth part is '13 12100 Mother Board'. At the bottom are 'OK' and 'Cancel' buttons.

Real-time access to MAX data

Locate Document

Document ID	Document Name	Document Type	Document Status	Document Date	Document Size	Document Location	Document Path
1	123456789	Text	Active	12/12/2012	1024000	C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\QJ8K7LHJ\123456789	C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\QJ8K7LHJ\123456789

Find

Manage documents from any application

[illegible]

Track routing changes, additions and deletions

ECO Duplicate Routing Check

Title: Duplicate Routing Check

Status: Prepared ECO Number: 14

Responsibility: Peter Category: Test

ECO Pats BOMs Drawings Documents Approvals Hours Tasks

Users

- All Users
 - Admin
 - ECO Users
 - Manager
 - Martha
 - Mary
 - Paul
 - Peter

Full Name	Department	Office Ext.	E-mail Address	User Name
Manager	MANAGER			MANAGER
Martha				MARTHA
Mary				MARY
Paul				PAUL
Peter				PETER

Approvals: [Filter] [Reset] [Cancel All] [Execute All]

Full Name	Action Required	Status	User Name
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Comments: [Filter] [Reset] [Cancel All] [Execute All]

Full Name	Action Required	Status	User Name
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Send ECO notifications via e-mail to improve document management and review

- Locate Parts allows you to find data in MAX directly from ECO Manager giving you the data you need—at your fingertips.
- Find part vendor, manufacturer's part and related data in MAX quickly and easily

ECO Documents – Manage ECO Documents

- Each ECO can have documents associated with the part(s) on that ECO. ECO Manager tracks changes on each document.
- Setup an unlimited number of document types and assign document names that conform to your business.
- A separate viewer and editor can be assigned to the document name so that each document can be viewed or edited according to your security rights.
- Master documents reflect your ability to define ECO data, using the same terms you commonly use to run your business.

ECO Routings – Manage ECO Routings

- Each ECO can have routings associated with part(s) on the ECO.
- Display Part Routing information to easily assess the impact of an ECO on the production process.
- Maintain part routing data without affecting the manufacturing system until the ECO is approved and released.
- ECO Routings can be either imported from the manufacturing system in which they are updated or deleted and new routing operations added.

ECO Notifications and Approvals - Track ECO Notifications and Approvals

- Assign electronic notifications and approvals to ECOs.
- The engineering manager can track notifications and sign-offs before releasing the ECO to the manufacturing system.
- E-mail the ECO form to a reviewer distribution list and speed the review and approval process.
- Record all notes and memos made by the ECO reviewer, providing a complete chronology of all comments for future reference.
- The Locate Approvals screen quickly displays all the ECOs requiring your actions and allows you to update your approval status.

For more information
please see our website
www.max4erp.com