

# ENHANCE THE ENGINEER-TO-ORDER PROCESS

## REDUCE COSTS AND IMPROVE RESPONSIVENESS TO CUSTOMERS

Do you frequently create custom products, relying on the SAP® ERP application to support those business processes? If so, discover how order engineering workbench software from SAP can help you quickly and easily modify a sales order bill of materials.

Although prompt delivery of high-quality products is key to success in today's highly competitive environment, many manufacturing organizations are finding themselves bogged down by a cumbersome and costly engineer-to-order process. Whether developing customized products or refurbishing existing ones, engineers often find it time consuming and frustrating to produce the requisite bill of materials (BOM) required for accurate costing and delivery estimation. To enable convenient and fast BOM configuration, organizations using the SAP® ERP application have turned to new order engineering workbench software from SAP.

### Accelerate BOM Configuration

Whether your engineers need to create a BOM or alter one already built with SAP ERP, the order engineering workbench software can accelerate the process. Available within the familiar environment of SAP ERP, the intuitive user interface features drag-and-drop support for fast and convenient BOM configuration. While a context-sensitive menu shows all possible actions for any product selected in the BOM, a full hierarchical product view allows engineers to configure the BOM at any level.

### Improve Response Times on Orders

Nothing is more frustrating than having to create a BOM from scratch when all you want to do is modify an existing

one. With this enhanced functionality, your engineers can – using any BOM as a starting point, even a custom one created for last year's order. By leveraging their prior work, engineers can modify existing projects within minutes instead of hours or days. Because consistency between related BOMs is preserved where it's wanted, the effort involved in checking accuracy is minimized.

### Save Time and Reduce Costs

Developing custom products is highly iterative. Details are continually tweaked as engineers consult with the customer to design a product to their liking. What happens if the customer decides they prefer an earlier configuration? Now your engineers can create BOM versions at any point during the process, enabling them to revert to an earlier version instead of trying to rebuild a BOM. Associated names and time stamps make it easy to determine who made what changes when. And if a certain product configuration proves widely popular, your engineers can easily reuse the relevant BOM.

### Streamline Refurbishments

Whether you need to upgrade to address a quality issue or simply incorporate a new feature, refurbishing products can be time consuming and cumbersome. Now, on receiving a refurbishment order, your engineers can tweak the BOM to include the relevant part. For each subsequent refurbishment order, they simply reuse the latest custom BOM, saving time and eliminating hassle.



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## Summary

Order engineering workbench software from SAP provides enhanced functionality for engineer-to-order activities that enables manufacturers to quickly, flexibly, and conveniently configure a sales order bill of materials (BOM) in the SAP® ERP application.

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## Challenges

- Ensure high quality and quick delivery of custom products
- Reduce repetitive tasks and rework
- Simplify product refurbishment

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## Supported Business Processes and Software Functions

- Quote and order processing – Simplifies and enhances BOM configuration and reuse
- BOM versioning – Empowers engineers to quickly revert to desired configurations
- Refurbishment process – Streamlines BOM modifications to support product refurbishments

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## Business Benefits

- **Increase efficiency** by enabling engineers to reuse previous BOMs
- **Reduce repetitive tasks** through support for drag-and-drop actions in an intuitive user interface
- **Reduce costs** by simplifying the BOM configuration process
- **Streamline refurbishment** through BOM modification and reuse

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## For More Information

Call your SAP representative, or visit us online at [www.sap.com/services/customdev](http://www.sap.com/services/customdev).

50 090 070 (08/06) Printed in USA.

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