



A BETTER WAY TO SYNC MBOMS WITH EBOMS:

The Tailor-Made Toolset for Manufacturing Engineers



MBOMS ARE PIVOTAL TO A SMOOTH PRODUCT DEVELOPMENT PROCESS.

As a product definition moves from engineering to production, it's the manufacturing engineers who know how to take an engineering definition (or EBOM) and convert it into the format necessary for procurement and manufacturing. This critical information is captured in the manufacturing definition (or MBOM).

Production teams need this data delivered in a certain way to feed it directly to the shop floor and purchasing systems.

The MBOM is a vehicle for this key phase of the product development lifecycle.



MANUFACTURING ENGINEERS OFTEN COPE WITH DISCONNECTED, INEFFICIENT METHODS FOR CREATING AND MANAGING MBOMS.

The traditional processes and tools for creating MBOMs are rife with productivity pitfalls and prone to errors.

Isolated MBOM authoring solutions require skilled engineers and planners to spin their wheels on monotonous rework, copying data from one system to another. Then, with each change order, the details must be resynchronized.

Friction at this point in the development process impacts production schedules, quality, cost and profitability.

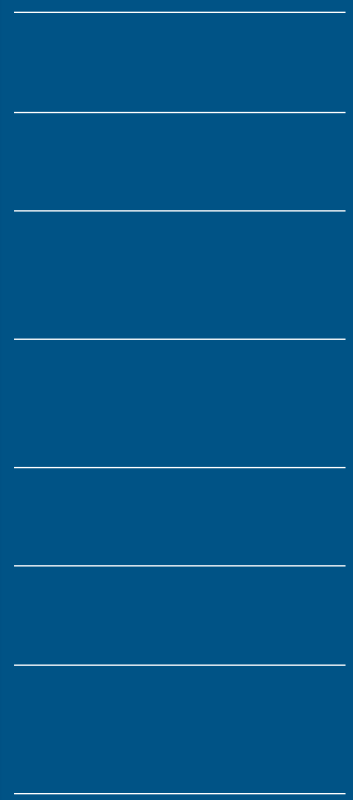


WITH MBOMS LINKED TO EBOMS, BOTTLENECKS AND RISKS EVAPORATE.

In an ideal world, your system for creating and sharing an MBOM would be streamlined within a single environment and linked to the engineering definition.

With digital continuity, your team can increase speed, reduce errors and eliminate rework. You'll respond easily to engineering changes and seamlessly transfer information for downstream production processes.

On the **3DEXPERIENCE** platform on the cloud, manufacturing engineers create, modify and align MBOMs with ease. With this solution, you help your team boost productivity, be more agile and collaborate seamlessly.





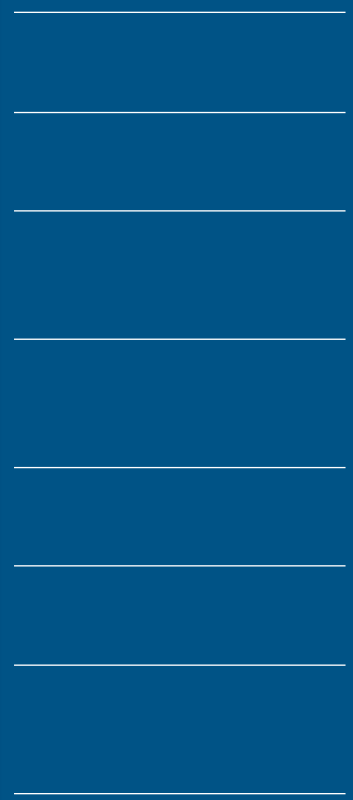
BOOST PRODUCTIVITY

Increase speed. Create an MBOM directly from an EBOM. Reuse and extend your team's efforts with templates. Quickly validate parts and assemblies.

Mitigate risk. Prevent manufacturing errors before they happen. Improve quality. Eliminate rework.

Streamline the workflow. Integrate MBOM authoring with your processes for engineering-release-to-manufacturing and change management.

Validate rapidly and reliably. Efficiently analyze the manufacturing definition to understand manufacturability. Notice errors and inconsistencies at a glance with visual cues. Confidently move the MBOM forward.



BE AGILE

Rapidly evaluate and implement changes. Clearly see the impact of any engineering modification and the status of any object. Quickly reconcile updates between engineering and manufacturing.

Stay aligned. Maintain a link to the original design information from engineering. Reorganize the MBOM as needed without breaking the relationship to the EBOM.

Reduce complexity. Define and manage configurable products. Reuse data in a single structure that satisfies all possible variations.

Manage manufacturing options. Evaluate make/buy decisions based on strategy and inventory availability.





COLLABORATE SEAMLESSLY

Break down silos. Communicate efficiently with both upstream engineering teams and downstream process planners.

Work from a single product definition. Leverage a common data model at each stage of the process. Remove the risk of conversion errors.

Proactively manage the MBOM lifecycle. Drive the product manufacturing process forward. Track the creation, development and delivery of the right data to the right stakeholders at the right time.

Assign responsibility. Designate manufacturing ownership of parts and assemblies to plants, suppliers or partners. Customize MBOMs for each manufacturing plant.

GET STARTED

Easily create and modify your MBOM and keep it in sync with an EBOM using the **Manufacturing Items Engineer** role on the **3DEXPERIENCE** platform on the cloud.

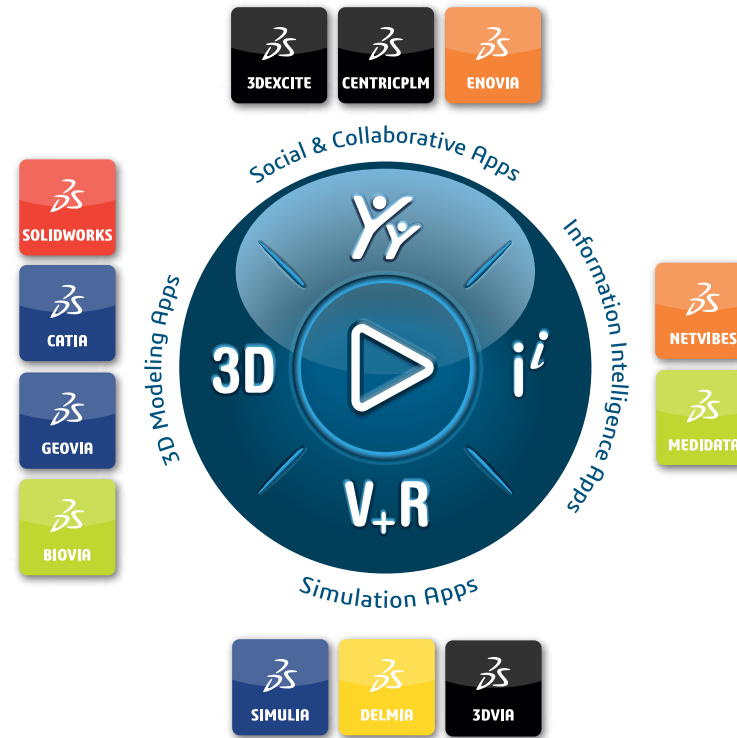




Inceptra supports engineering and manufacturing organizations with best-in-class solutions to digitally design, simulate, produce, and manage their products and processes, enabling enhanced innovation and productivity.

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