
BEACON Newsletter - December 2024

DTX: Enabling Effortless Bill of Material Management

In this month's newsletter, let's us understand how to ease BOM Management to improve productivity and have effective processes.

Introduction: Embracing the New Era of BOM Management

Managing a Bill of Materials (BOM) is at the core of efficient production and design workflows in manufacturing. Yet, traditional BOM management is often riddled with challenges like manual errors, version control headaches, and disconnected data between essential systems like CAD and ERP. These obstacles can lead to wasted time, miscommunication, and costly production errors.

This is where the DTX BOM management solution can make a real difference. Built for the modern manufacturing environment, our tool brings powerful, cloud-enabled features to streamline BOM creation, collaboration, and tracking, while seamlessly integrating with your ERP and CAD systems.

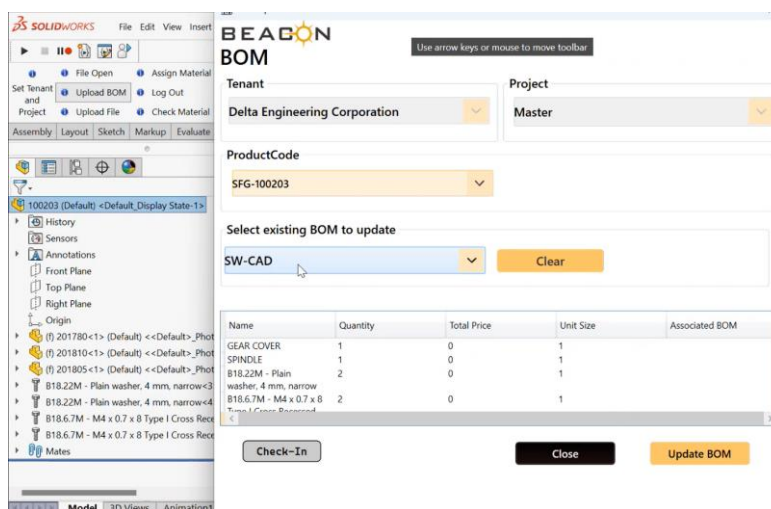
Common Challenges in BOM Management:

1. **Manual Errors:** When BOMs are updated manually, it's easy for small errors to slip through, which can lead to significant production issues. With every manual entry, the risk of incorrect parts or quantities increases.
2. **Version Control:** Without effective version control, teams struggle to ensure everyone is working from the most recent BOM. This misalignment can delay production timelines and lead to costly rework.
3. **Disconnected Data:** Lack of integration between CAD, ERP, and BOM systems leads to redundant work and scattered data, making it challenging to keep track of design changes and material updates.
4. **Traceability Issues:** It's vital to know the history of BOM changes to improve accountability and compliance. Without traceability, pinpointing the source of an error becomes a time-consuming task.
5. **Redundant Work:** Time is wasted re-entering BOM information in multiple systems, which could otherwise be automated to save effort and prevent duplication.

How DTX BOM Management Tool Resolves These Challenges

Our BOM management tool is designed to tackle these common challenges head-on:

- Real-Time Updates:** Access BOMs with the latest information anytime, anywhere. With cloud-based real-time updates, everyone works with the most current data, helping reduce errors and ensuring synchronized workflows.
- ERP Integration:** Our tool integrates seamlessly with ERP systems, centralizing BOM data and connecting it directly to inventory, procurement, production line, and production data. This helps ensure that parts lists, quantities, and status automatically sync with manufacturing needs, saving valuable time and resources.
- Build BOMs Directly from CAD:** Eliminate redundant work of extracting BOMs from CAD and update to ERP. This integration automates the transfer of part data and specifications from CAD to your ERP BOM, significantly reducing manual entry and errors.

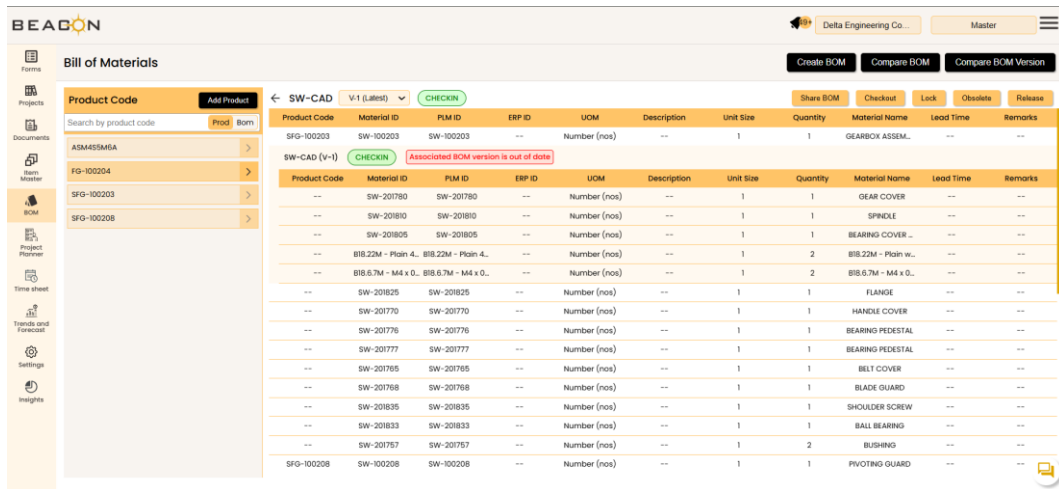


The Advantages of Cloud-Based BOM Management for Designers and Production Users

For design engineers and production teams having an integrated BOM management tool can create a more streamlined, error-free environment.

- Enhanced Collaboration:** DTX BOMs provide a single source of truth that team members across different departments can access and update simultaneously. This improves coordination between design and production, reducing hand-off times and preventing misunderstandings.

- Improved Traceability:** Our tool's robust change tracking and version control keep a detailed record of BOM modifications. Every update is traceable, making it easier to audit changes, meet compliance requirements, and reduce the time spent identifying the source of errors.
- Scalability and Flexibility:** As a SaaS platform, our tool adapts to your needs, whether you're handling hundreds or thousands of parts. And because it's cloud-based, you'll always have access to the latest features without worrying about local software updates.



Product Code	Material ID	PLM ID	ERP ID	UOM	Description	Unit Size	Quantity	Material Name	Lead Time	Remarks
SFG-100203	SW-100203	SW-100203	--	Number (nos)	--	1	1	GEARBOX ASSEM.	--	--
SW-CAD (v-1) CHECKIN Associated BOM version is out of date										
Product Code	Material ID	PLM ID	ERP ID	UOM	Description	Unit Size	Quantity	Material Name	Lead Time	Remarks
--	SW-201780	SW-201780	--	Number (nos)	--	1	1	GEAR COVER	--	--
--	SW-201810	SW-201810	--	Number (nos)	--	1	1	SPINDLE	--	--
--	SW-201805	SW-201805	--	Number (nos)	--	1	1	BEARING COVER	--	--
--	B18.22M - Plain 4.	B18.22M - Plain 4.	--	Number (nos)	--	1	2	B18.22M - Plain w.	--	--
--	B18.67M - M4 x 0.	B18.67M - M4 x 0.	--	Number (nos)	--	1	2	B18.67M - M4 x 0.	--	--
--	SW-201825	SW-201825	--	Number (nos)	--	1	1	FLANGE	--	--
--	SW-201770	SW-201770	--	Number (nos)	--	1	1	HANDLE COVER	--	--
--	SW-201776	SW-201776	--	Number (nos)	--	1	1	BEARING PEDESTAL	--	--
--	SW-201777	SW-201777	--	Number (nos)	--	1	1	BEARING PEDESTAL	--	--
--	SW-201765	SW-201765	--	Number (nos)	--	1	1	BELT COVER	--	--
--	SW-201768	SW-201768	--	Number (nos)	--	1	1	BLADE GUARD	--	--
--	SW-201835	SW-201835	--	Number (nos)	--	1	1	SHOULDER SCREW	--	--
--	SW-201833	SW-201833	--	Number (nos)	--	1	1	BALL BEARING	--	--
--	SW-201757	SW-201757	--	Number (nos)	--	1	2	BUSHING	--	--
SFG-100208	SW-100208	SW-100208	--	Number (nos)	--	1	1	PIVOTING GUARD	--	--

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