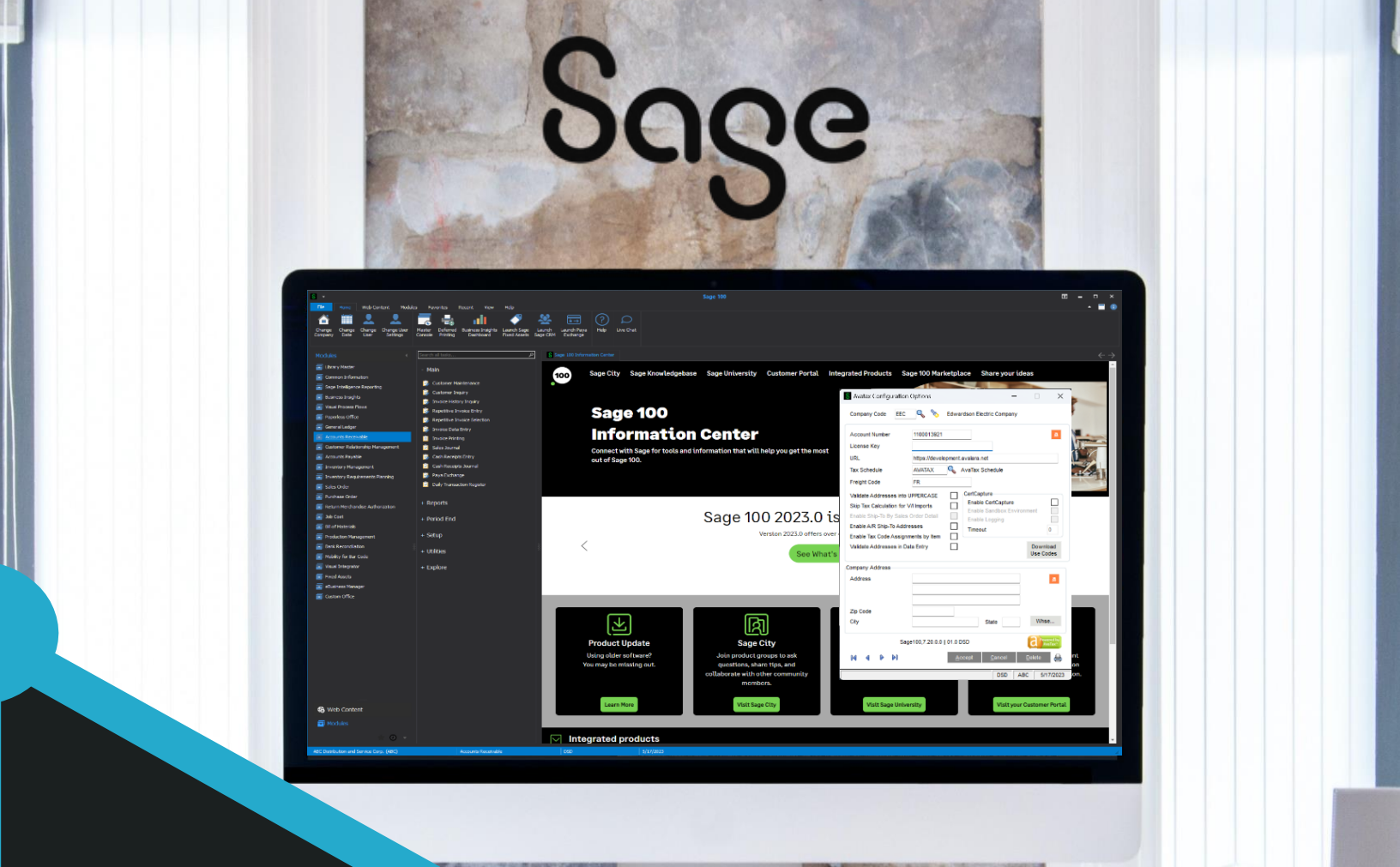

DSD BUSINESS SYSTEMS

SAGE 100 ENHANCEMENTS

PMWX

PRODUCTION MANAGEMENT CONTROL WORK TICKET EXPLOSION

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Production Management Control Work Ticket Explosion

Published Date: September 28, 2026

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Section A: Introduction

This manual contains a description and instructions for this DSD product. Operating instructions are included for the features added by this product to Sage 100. For instructions on using Sage 100, refer to the appropriate Sage 100 manual, or call your Sage 100 reseller. DSD Business Systems offers excellent Sage 100 support, at an hourly rate.

Production Management Control Work Ticket Explosion Features

PMWX is designed to allow control over Bill of Material subassembly component explosion during Work Ticket Entry. New Work Ticket and Bill of Material settings have been added to control when bill items will be issued from stock instead.

In Work Ticket Entry, 'Explode Bill Subassemblies' new **Control Explosion** option must be selected and can be set as a default in Production Management Options. When selected, Work Ticket material requirements will check the new **Do not Explode** and/or **Do not explode as a Component/Option** checkboxes in Bill of Materials on the Header tab for all components or the Lines tab component line in the secondary grid for subassemblies.

Additionally, a new Production Management Option 'Prompt to delete from Work Ticket History' makes it possible to reuse Work Ticket numbers and is selected at time of deletion. Only Work Tickets with no transactions updated to them will be removed.

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Section B: Getting Started

Important – Read this section prior to installing this enhancement.

Updated Modules

This enhancement modifies several Sage 100 modules. If you reinstall one of the Sage 100 modules listed in the following table, you must also reinstall this enhancement. **Enhancements from different Sage Tech Partners may not be designed to work together.**

Module	PMWX
Bill of Materials	✓
Production Management	✓

If you are upgrading Sage 100 with a Product Update, check the DSD website for compatibility before upgrading. A new version of the enhancement may be required.

If you are upgrading Sage 100 to a new version (e.g., 2021 to 2024), you must obtain the latest compatible release from the DSD website prior to installing and converting.

Ensure the compatibility of all enhancements with the version being upgraded to prior to starting the installation process. Work with your reseller to ensure that enhancements are compatible with each other and note the proper order in which they should be installed.

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Installation

Back-up: Exit all Sage 100 sessions. Back-up existing Sage 100 data.

Check Levels: Sage 100 module levels must match those listed above.

Run Enhancement Setup Program: Save the executable installation program (sent to you or downloaded from our website) in a convenient location on the Sage 100 server. Launch the program from Windows Explorer or by selecting Start/Run, and then browse for the file in the location you saved it. Follow on-screen instructions.

Send your Sage Serial Number to your DSD Representative: Send your Sage Serial Number to your DSD representative in order for us to send you back the encrypted keys to unlock your system. This serial number can be found in Library Master\Setup\System Configuration, Tab 3. Registration as Serial Number.

Re-Start Sage 100: Sage 100 will be updated.

Update Security: After installation, you may not see the modules you installed on the Launcher menu. You will need to update all your security Roles to include access to the newly installed modules. Make sure your user has sufficient rights to modify Role Maintenance and add access to the new DSD enhancements to the appropriate Roles.

If this is your first DSD enhancement, make sure to add the DSD Enhancement Control Panel in the Library Master module to an appropriate Role.

Run the DSD Enhancement Control Panel: Run the DSD Enhancement Control Panel from the Library Master module under the Utilities menu.

DSD Enhancement Control Panel

Starting with version 3.61, all DSD Enhancement products include DSD's Enhancement Control Panel. The DSD Enhancement Control Panel is accessed from the Library Master Utilities menu.

The DSD Enhancement Control Panel is a simple to use yet powerful system to help maintain DSD Enhancements installed on a Sage 100 system. To use it, select an Enhancement product from the list on the window and then click the button, on the right side of the window, which corresponds with the desired task.

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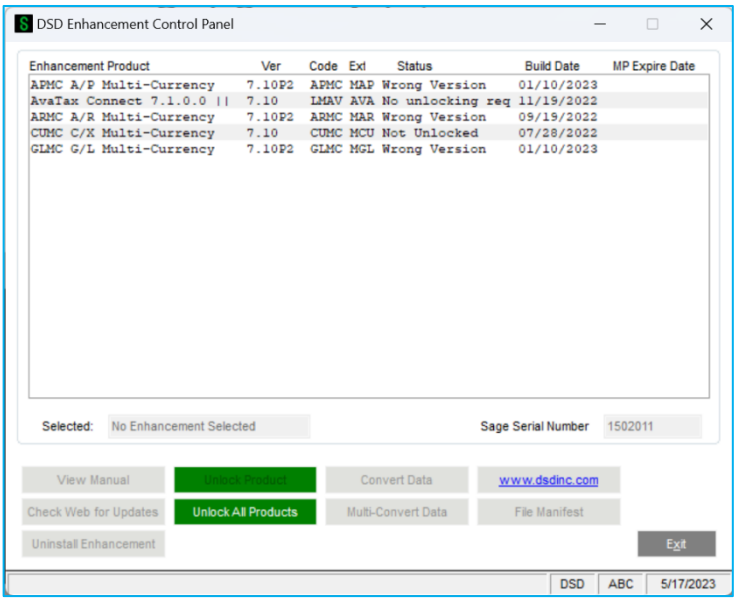
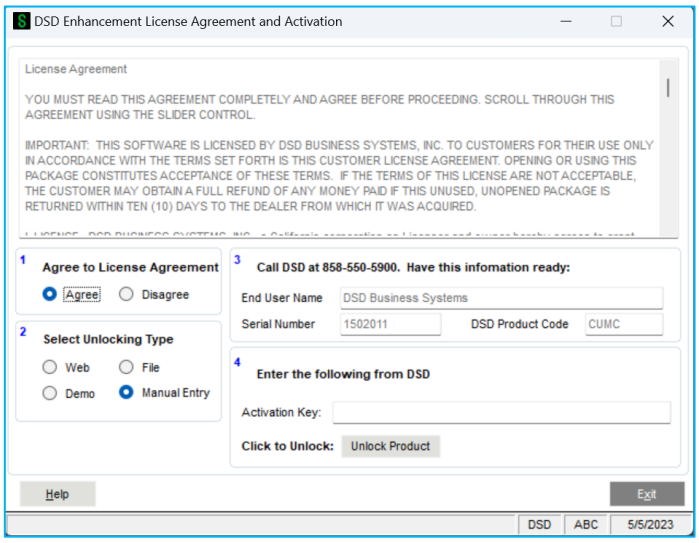


View Manual: This button will display the product manual for the selected Enhancement using Adobe Acrobat. For this to be possible, the PDF file for the corresponding manual must be in the "MAS90/PDF" folder in the Sage 100 system. If the file is not present, and the system has web access, the correct PDF file will be automatically downloaded from the DSD website, put into the "MAS90/PDF" folder and then displayed.

Check the Web for Updates: This button will check the DSD website to see what the current build is the selected Enhancement and alert the user if a later version is available. *This requires an internet connection on the Sage 100 system.*



Unlock Product: This will cause the DSD Enhancement License Agreement and Activation window to appear. DSD Enhancements must be unlocked to run. When any part of the Enhancement is run for the first time, the DSD Enhancement License Agreement and Activation window will appear. Follow the steps shown on that window. You can click the Help button for more detailed instructions. *This button is disabled if the selected Enhancement is already unlocked or if unlocking is not required.*

Agree to the License Agreement: On the DSD Enhancement License Agreement and Activation window, click on the Agree button to accept the DSD License Agreement. After accepting the License Agreement, you can then select the type of unlocking that you'd prefer. The choices are File, Web, Demo and Manual Entry.

File Unlock: After receiving your encrypted serial number key file from DSD, and placing that file in the MAS90/SOA directory, selecting this option will unlock all products keys contained in the file. This means you can unlock all enhancements at once using this option.

Web Unlock: If the system that is running the DSD Enhancement **has web access** and you **have sent DSD your Sage Serial number**, you can unlock the Enhancement without assistance using

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Web Unlock. When this option is selected, the licensing program will attempt to download encrypted serial number key file from DSD **and then proceed to unlock all enhancements contained in the file**.

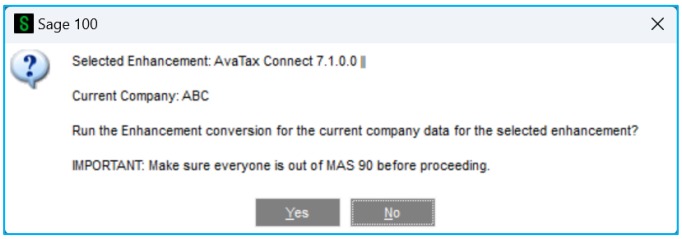
Demo Unlock: If a Demo mode is available for the Enhancement you're running, you will be able to Demo unlock the product without assistance from DSD for demo purposes.

Creating a Demo Unlock is a good way to temporarily unlock DSD Enhancements off-hours, if you do not have web or email access. Later, you can unlock the product fully, during business hours.

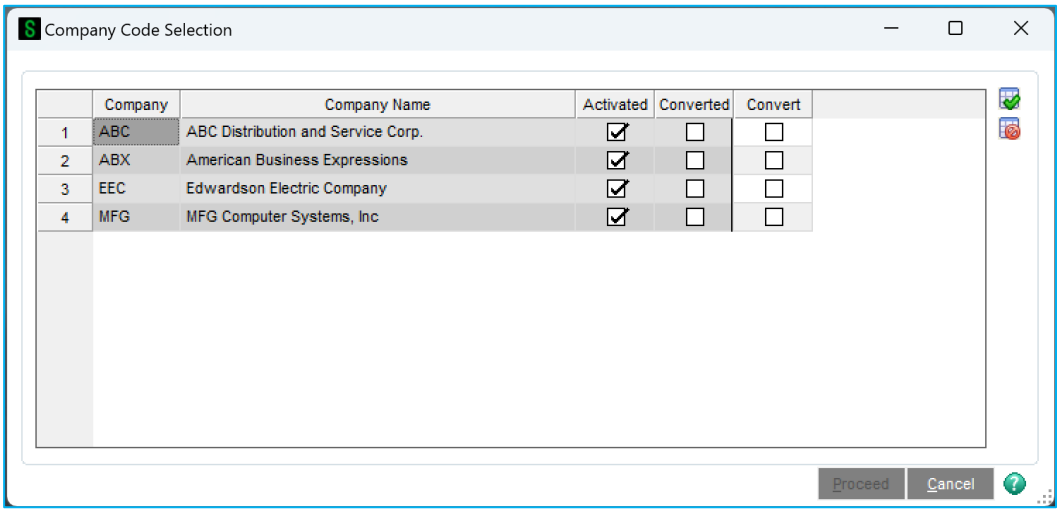
Manual Entry Unlock**:** If you want to unlock a single enhancement using a single encrypted key, you can select this option and enter the 64 character key you receive from DSD by copy and paste.

Unlock All Products: This will cause the DSD Enhancement All License Agreement and Activation window to appear. This window is similar to the one described on the previous page but has only web and file as options to unlock. *This button is never disabled.*

Convert Data: After verification, the selected Enhancement's data conversion program will run. Data conversion is non-destructive and may be triggered any number of times. Sometimes this is required to fix data records imported or updated from a non-enhancement installation.



Multi-Convert Data: Multiple Companies can be converted at the same time for a given Enhancement. (*If you have a large number of Companies to convert, please do in batches of 20 or fewer due to memory limitations.)*



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Help: The Help button, located at the bottom right of the window, opens an HTML help file.

Get Adobe Acrobat: Opens the Adobe Acrobat website to the page where Acrobat can be downloaded and installed.

Uninstall Enhancement: If this option is available, then selecting this button will start the un-install process, removing the enhancement from the system. For more information see Uninstall DSD Enhancements.

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Section C: Setup

Production Management Options

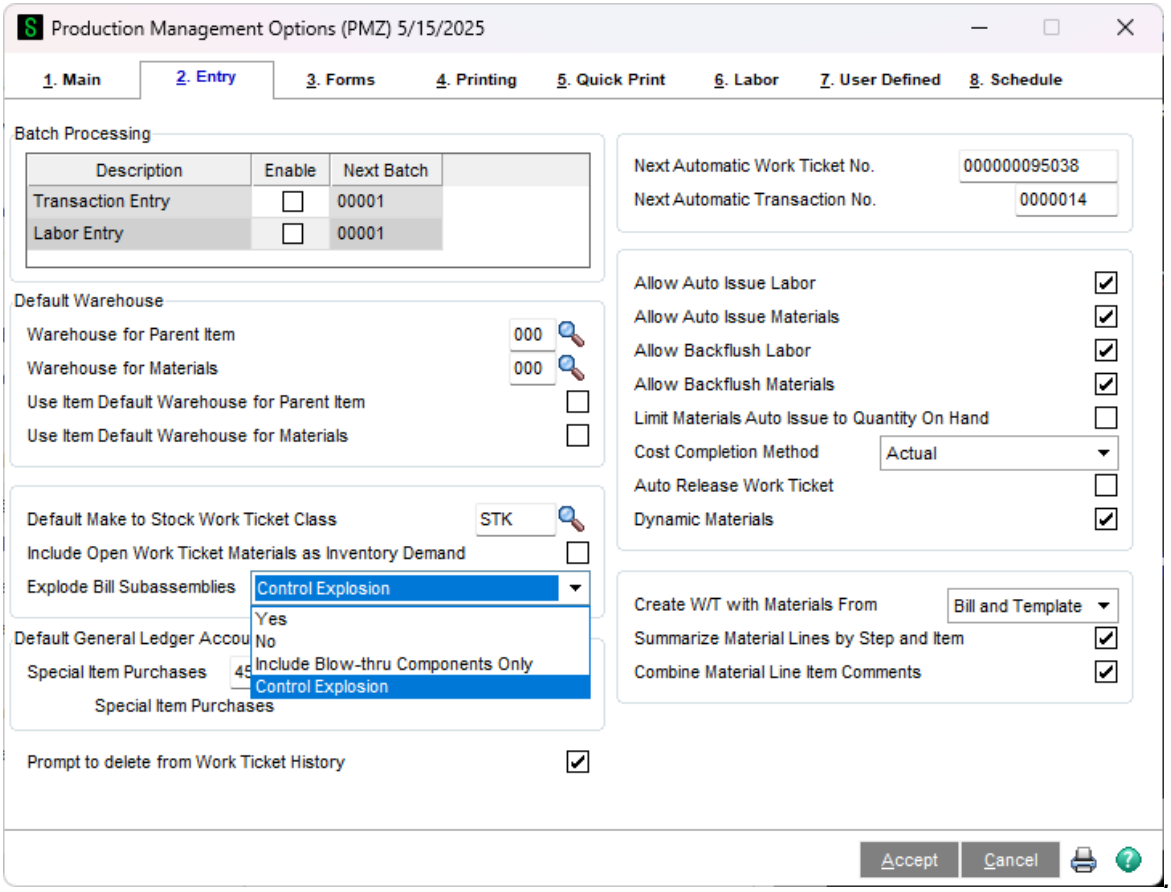
The following field has been **added** to the Production Management Options / Entry Tab:

Prompt to delete from Work Ticket History: Selecting this option causes a message to display when deleting Work Tickets with the option to also delete from Work Ticket History.

Note: Only Work Tickets with no transactions can be deleted from Work Ticket History.

The following field has been **changed** on the Production Management Options / Entry Tab:

Explode Bill Subassemblies: A new 'Control Explosion' selection has been added. When selected, this setting will be the default in Work Ticket Entry.



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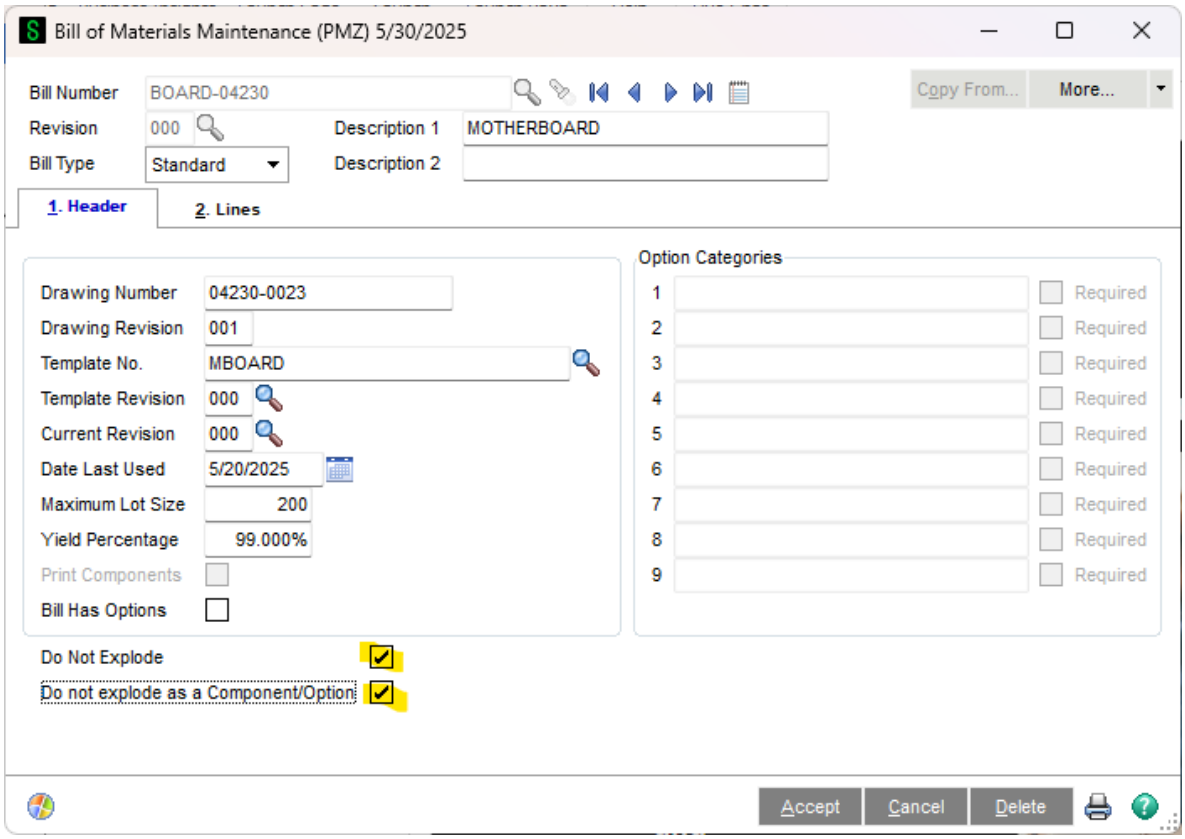
Section D: System Operations

Bill of Materials Maintenance

If a Work Ticket is created with the 'Explode Bill Subassemblies' option 'Control Explosion', Material component requirements are determined by the new 'Do not Explode' and 'Do not Explode as a Component/Option' checkboxes in Bill of Materials Maintenance.

If the Header tab 'Do Not Explode' checkbox is selected, only the components listed on the bill will be assigned to the work ticket. Lines tab component settings will not be checked.



If the Header tab, 'Do not Explode' checkbox is **not** selected, each component subassembly setting on the Lines tab is then checked to determine if the Item Code or it's bill components are exploded to create material requirements for the work ticket.

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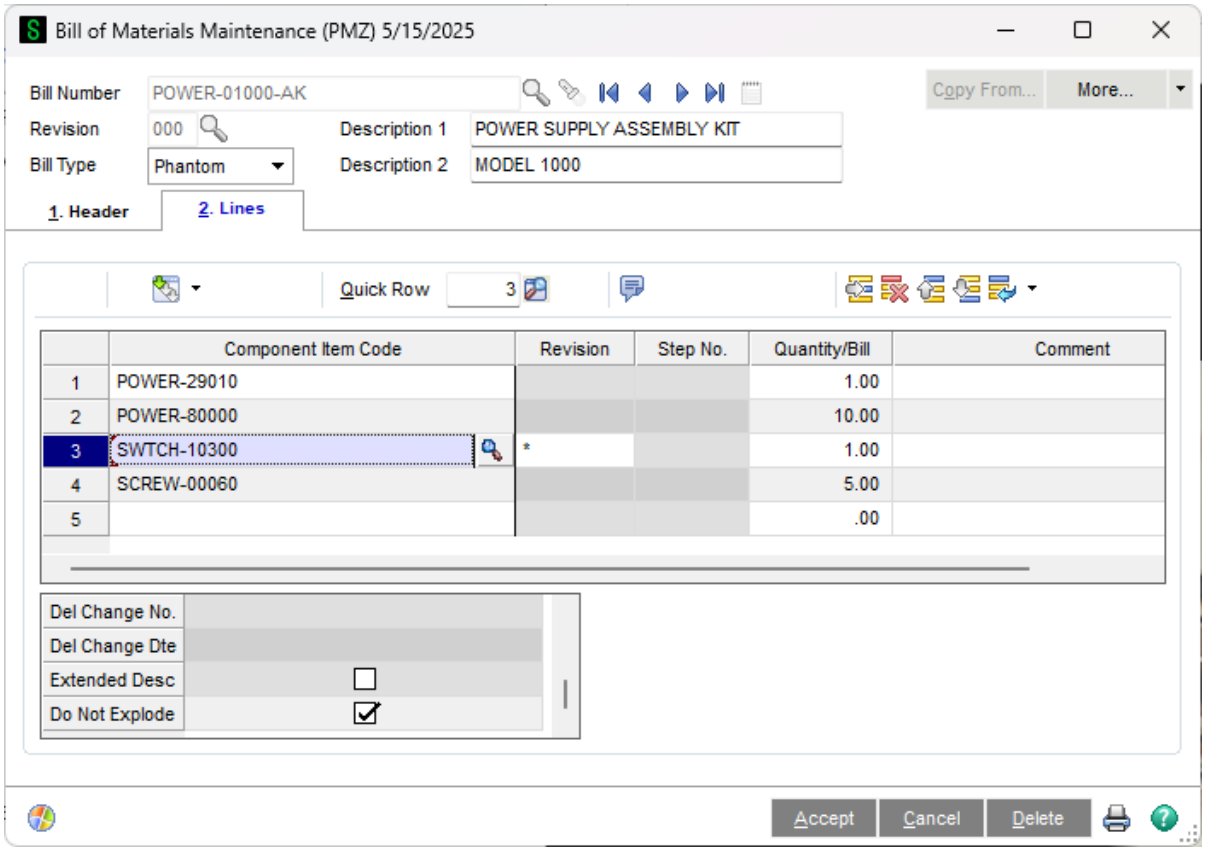

Similarly, the subassemblies that are exploded will have their Bill Header and Lines 'Do not Explode' option checked until all material requirements have been determined.

If the Header tab 'Do Not Explode as Component/Option' checkbox is selected the component items will not explode when it is a Subassembly, Option bill, or Option Interaction component of a Parent bill.

Note: Subassembly template labor and/or material information will not be exploded.

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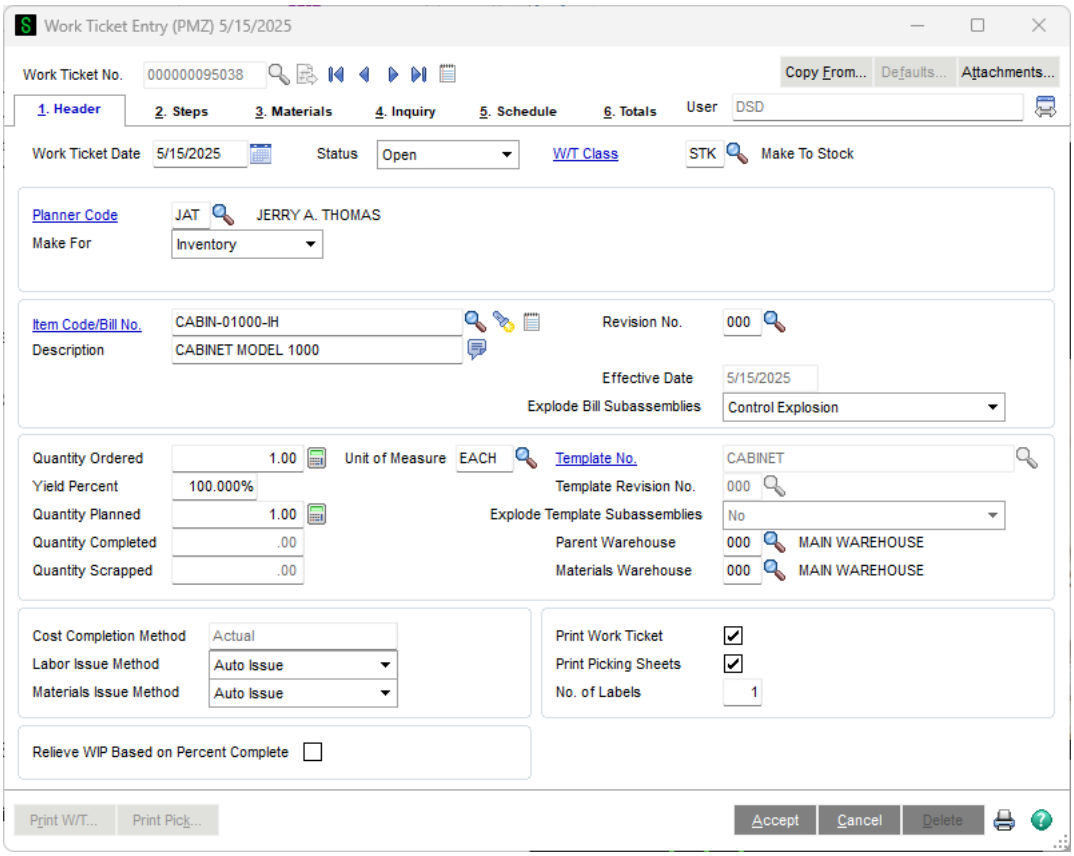
Work Ticket Entry

In Work Ticket Entry, the 'Explode Bill Subassemblies' Control Explosion option must be selected to use the Bill of Material Header and Lines tab 'Do not Explode' setting.



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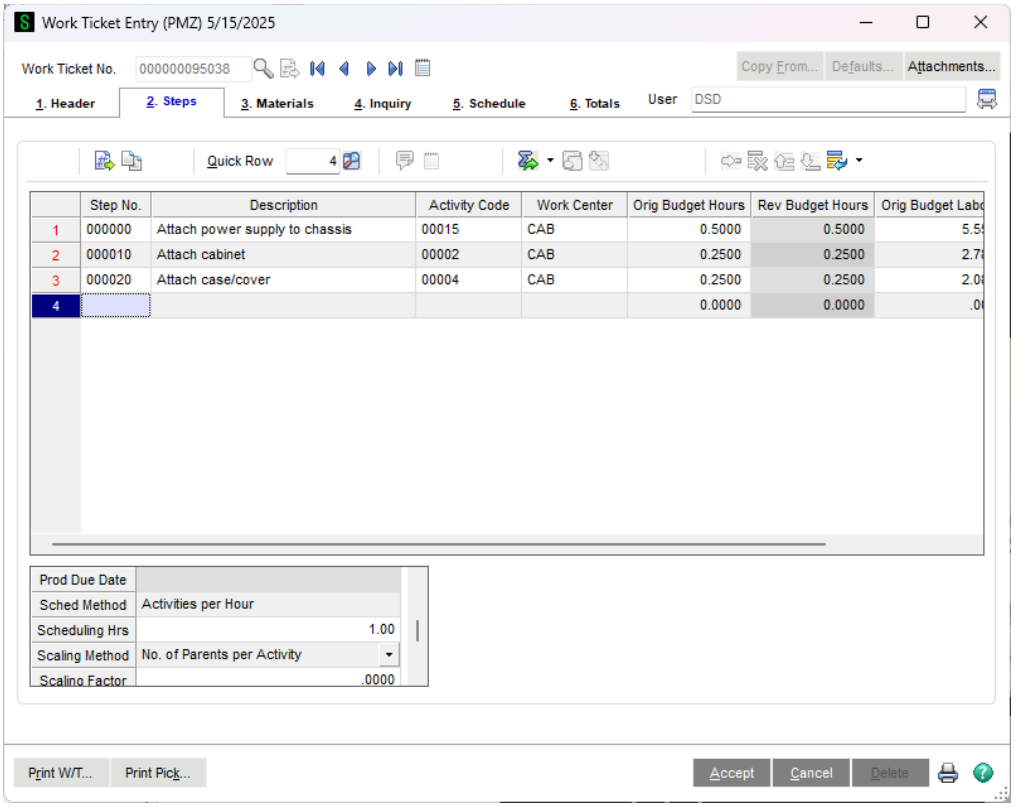
The Steps tab will only be populated with steps from the Item Code Bill of Materials.



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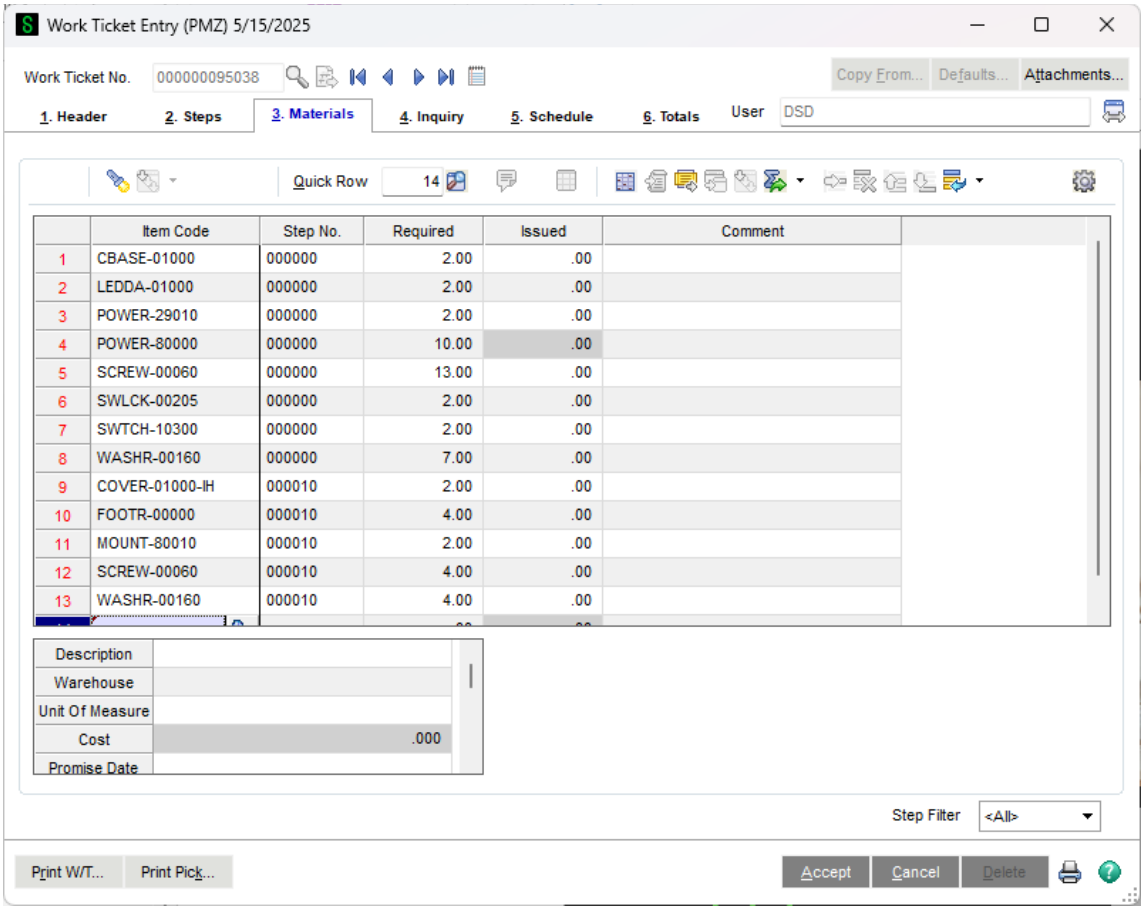
The Materials tab will be populated based on all Item Code Bill and subassembly Header and Line 'Do not Explode' settings.



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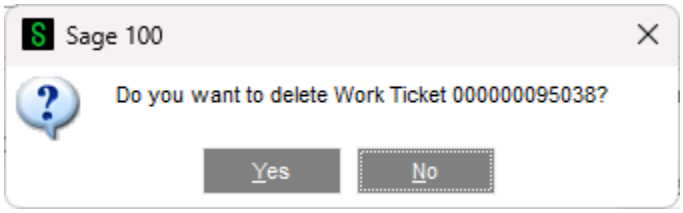
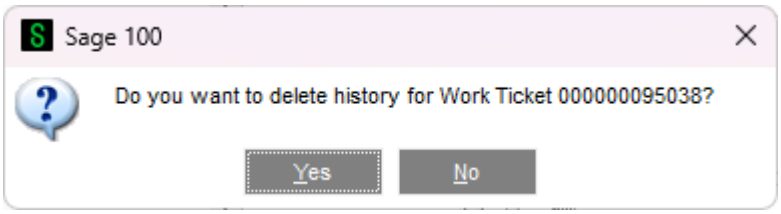
Work Ticket History

If Production Management Entry tab 'Prompt to delete from Work Ticket History' checkbox is checked, in Work Ticket Entry selecting the 'Delete' button on an existing work ticket will cause a prompt.



If No is selected, the work ticket is not deleted.

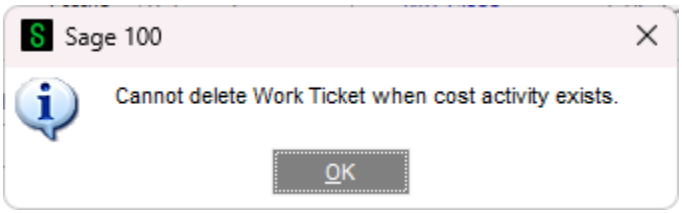
If 'Yes' is selected, another message will ask about deleting from Work Ticket History.



In No is selected, the work ticket is removed from Work Ticket Entry, but will remain in Work Ticket History tables.

If Yes is selected, the work ticket transactions will be checked.

If transactions exist, the work ticket cannot be removed from Work Ticket History tables and a warning message is displayed.



If no transactions exist, it will also be deleted from Work Ticket History Inquiry and the number can be reused in Work Ticket Entry.

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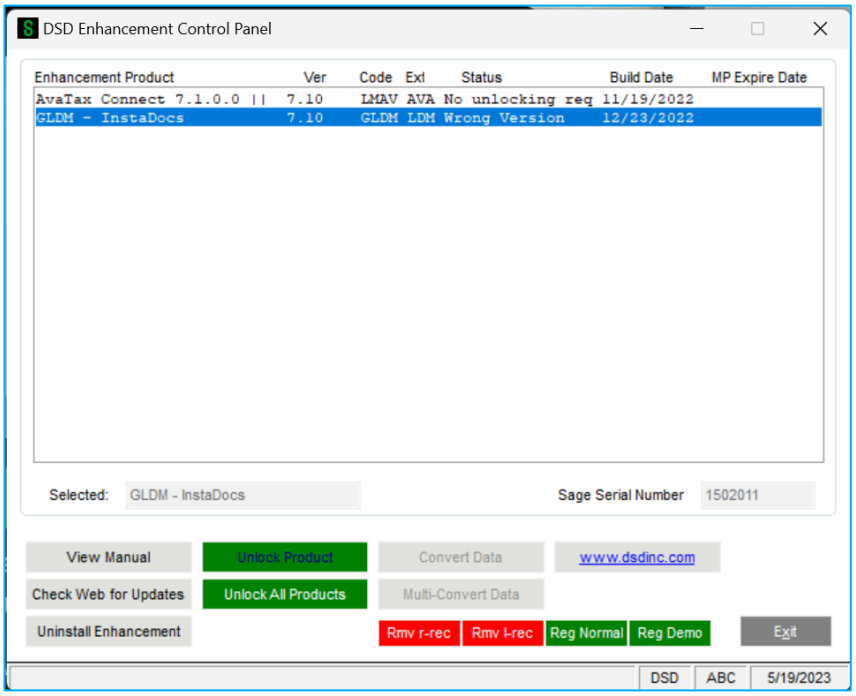
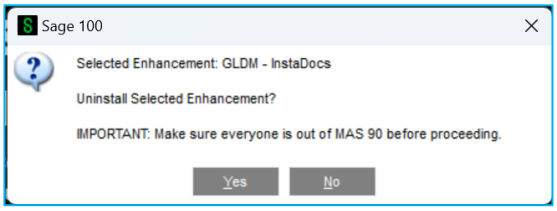
Section E: Uninstall DSD Enhancements

A DSD Enhancements Uninstall Utility has been provided for the purposes of removing DSD Enhancements from your Sage 100 System. This utility may be accessed from the **DSD Enhancement Control Panel** menu option on the **Library Master / Utilities** menu.

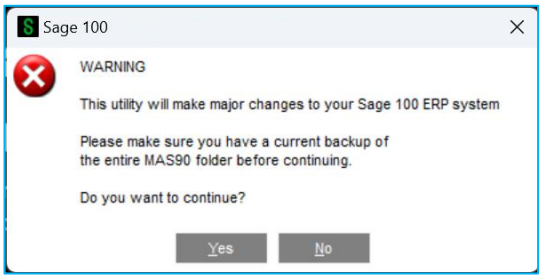


When accessing the **DSD Enhancement Control**, select the enhancement that you wish to Uninstall, and then select the **Uninstall Enhancement** button. The following message box will appear:



- Select **No** to exit the Uninstall Process.
- Select **Yes** to continue with the Uninstall Process.

The following message box will appear, to remind you that a complete backup of your entire Sage 100 system should be completed prior to uninstalling a DSD product.



- Select **No** to exit the Uninstall Process.
- Select **Yes** to continue with the Uninstall Process.

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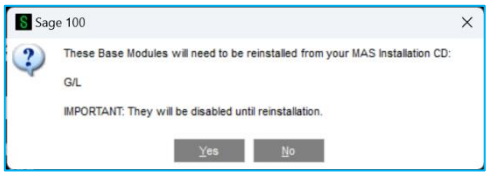
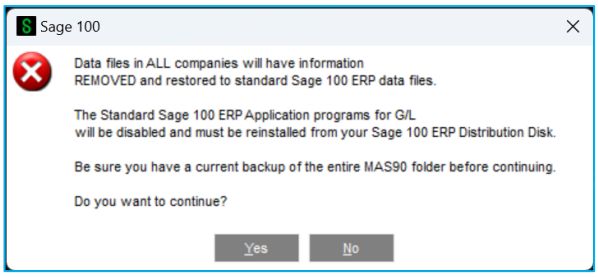
After the Uninstall of the DSD Enhancement, you MUST reinstall certain standard Sage 100 modules, followed by reinstallation of Product Updates and Hot Fixes, if applicable.

A message box will appear, and will display which of those specific Sage 100 modules you must reinstall afterwards.



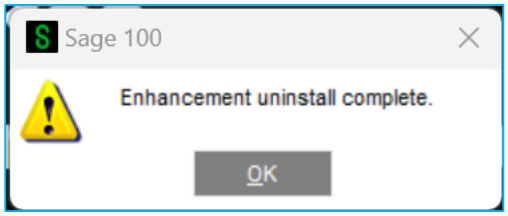
- Select **No** to exit the Uninstall Process.
- Select **Yes** to continue with the Uninstall Process.

The following message box will appear, displaying the final warning message.



- Select **No** to exit the Uninstall Process.
- Select **Yes** to continue with the Uninstall Process. At this point, the DSD Enhancement will be removed from the Sage 100 system.

After completion of the Uninstall, the following message box will appear. Select OK to continue.



Now that the Uninstall process is completed, you must:

- Reinstall the applicable standard Sage 100 modules
- Reinstall the latest Sage 100 Service Pack/Updates, if applicable.
- Reinstall any other DSD Enhancements or Developer products that are affected from the reinstallation of the standard Sage 100 module(s).

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Section F: Resources and Support

Web Resources

DSD web site: http://www.dsdinc.com

The Enhancement page contains:

- Current Release Schedule
- Purchasing Information
- Installation Instructions
- Product Support
- Enhancement Links

Production Management Control Work Ticket Explosion:
https://www.dsdinc.com/enhancements/marketplace/products/PMWX-multi-company-accounts-payable

The product web page contains:

- Product Description
- Web Links
- Current Product Version Table
- Product Installation File Download
- Product Manual in .pdf Format

Support

DSD provides product support through Sage 100 resellers. Support is provided for the current version. Older versions are supported at an hourly rate.

- Telephone: 858-550-5900
- Fax: 858-550-4900
- Email: enhancements@dsdinc.com

For a hard error, where the program displays an error dialog, report:

- Enhancement Name
- Error number
- Program name

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- Line number
- Program version
- Exact sequence that caused the error, including menus and menu selections
- Other pertinent information

If leaving a message, faxing or email, please include:

- Your name and company
- Your phone number (and fax if applicable) and extension.

It is possible to be unable to duplicate a problem, because of data corruption or because we have not exactly duplicated a particular operating environment. In such circumstances, we can only continue to try to fix the problem if we can either access the system remotely or by some other to duplicate the system.

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Since 1984, DSD Business Systems has been providing clients with professional business consulting services and business software solutions across the globe. Specialties include Sage Intacct, Acumatica Cloud ERP, Sage 100, Sage 300, Sage 500, Sage CRM, Sage HRMS and more.

DSD Business Systems has been a Sage Tech Partner, commonly referred to as a "Master Developer", for over 30 years. DSD currently has over 500 Enhancements to Sage 100 and has created thousands of custom solutions for end-users around the world. We have had the privilege of working with hundreds of Sage consultants, resellers, and end-users to produce powerful custom solutions that enhance the functionality of Sage 100.

Contact DSD Enhancements

enhancements@dsdinc.com

Enhancements Marketplace

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