



DSD Business Systems

Sage 100 Enhancements

S548

Line Calcs for Reprographics

SO-1548

Version 5.40



Information in this document is subject to change without notice.

Copyright 1993-2017, DSD Business Systems All rights reserved.

Line Calcs for Reprographics User's Manual
Version 5.40

16 October, 2017

DSD Business Systems
8787 Complex Drive
Suite 400
San Diego, CA 92123
858/550-5900 8:00am to 5:00pm PST
858/550-4900 Fax

Trademarks

ProvideX® is a Trademark of Sage Software.

Windows is a trademark of Microsoft Corporation.

Sage 100® is a registered trademark of Sage Software.

PXPlus® is a registered trademark of PVX Plus technologies

All other product names and brand names are service marks, and/or trademarks or registered trademarks of their respective companies.

This documentation and the software described herein, is prepared and published under license. Sage Software has not tested or verified either the software or any representation in this documentation regarding the software. Sage Software does not make any warranty with respect to either this documentation or the software described herein, and specifically disclaims any warranty, express or implied, with respect hereto, including the warranties of fitness for a particular purpose and merchantability.

Table of Contents

SECTION A: INTRODUCTION	4
WEB RESOURCES	4
SUPPORT	4
LINE CALCS FOR REPROGRAPHICS FEATURES	5
SECTION B: GETTING STARTED	6
REQUIRED LEVELS	6
INSTALLATION	6
DSD ENHANCEMENT CONTROL PANEL	8
SECTION C: SETUP	10
SECTION D: SYSTEM OPERATIONS	12
SECTION E: UNINSTALL DSD ENHANCEMENTS	13

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.

Web Resources

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

The Enhancement page contains:

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

1548 enhancement name:

<http://www.dsdinc.com/enh/pages/1548.htm>

The product web page contains:

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

Support

DSD provides product support through Sage 100 resellers. Support is provided for the current version. Older versions are supported at an hourly rate. DSD's telephone number is **858-550-5900**. Fax: **858-550-4900**.

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

- Error number.*
- Program name.*
- Line number.*
- Program version.*

*Exact sequence that caused the error, including menus and menu selections.
Other pertinent information.*

If leaving a message or faxing, please include:

Your name.

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.

Line Calcs for Reprographics Features

This Extended Solution provides several options, determined on a line by line basis, for calculating the Quantity Ordered in Sales Order and S/O Invoice Entry. It can be the number of original prints times the number of desired copies. Or the previous calculation is amended to price each copy by the total square feet of the original print. Or the square foot calculation can, if you desire, take into account the starting width of the paper and price according to the paper you use, not the size of the finished product.

Note: The Custom Office module must be activated.

Section B: Getting Started

CAUTION

- If you reinstall or upgrade one of the Sage 100 modules listed in the following table, you must also reinstall this Enhancement.
- Enhancements from different Sage Developers are generally not designed to work together. If installed together, problems are likely to occur.
- Check with DSD before installing more than one Enhancement.

Required Levels

Sage 100 Module	Module Required	Required Level
S/O	Y	5.40

Installation

1. **Back-up:** Exit all Sage 100 sessions. Back-up existing Sage 100 data.
2. **Check Levels:** Sage 100 module levels **must match** those listed above.
3. **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.
4. **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.
5. **Re-Start Sage 100:** Sage 100 will be updated.
6. **Unlock the Enhancement:** 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.*

Note: On the next page is a screenshot of the DSD Enhancement License Agreement and Activation window.

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

- The Sage 100 system that is being used must have web access for this option to be effective.
- You can send your Sage Serial Number to your DSD Enhancements sales representative.

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.

Note: You can also unlock a DSD Enhancement through the [DSD Enhancement Control Panel](#) found on the Library Master Utilities Menu. Then, select the Enhancement with your mouse from the list of Enhancements and click the **Unlock Product** button on the right side of the window.

- Convert Data:** After unlocking, the DSD Conversion Wizard will appear. Follow on-screen instructions to complete data conversion. *You can exit the conversion program without converting data. The Enhancement will not proceed, however, until data is converted. If you enter an enhanced program and data has not been converted, the conversion program will run again.*

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.

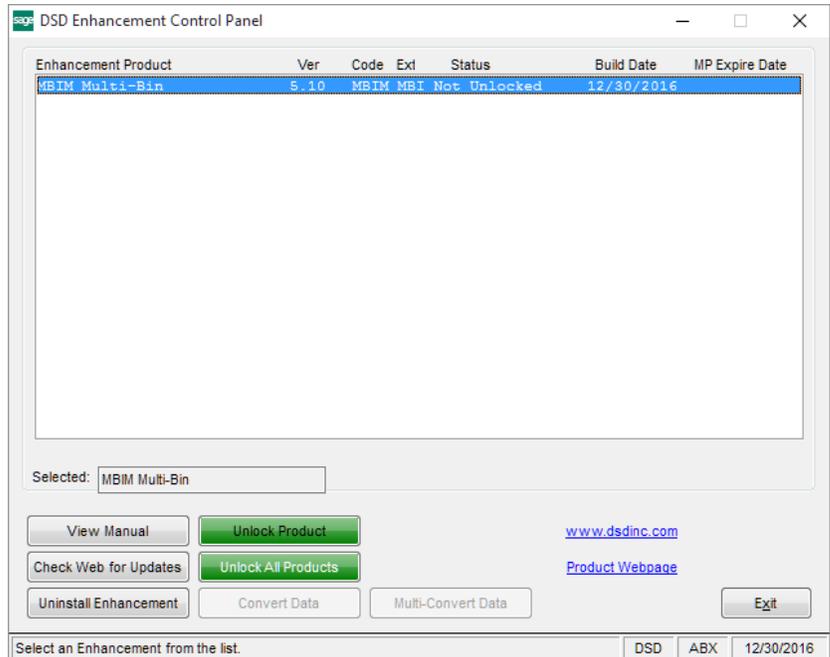
View Manual: This button will display the product manual for the selected Enhancement using Adobe Acrobat. For this to be possible, the PDF file for the corresponding manual must be in the "MAS90/PDF" folder in the Sage 100 system. If the file is not present, and the system has web access, the correct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

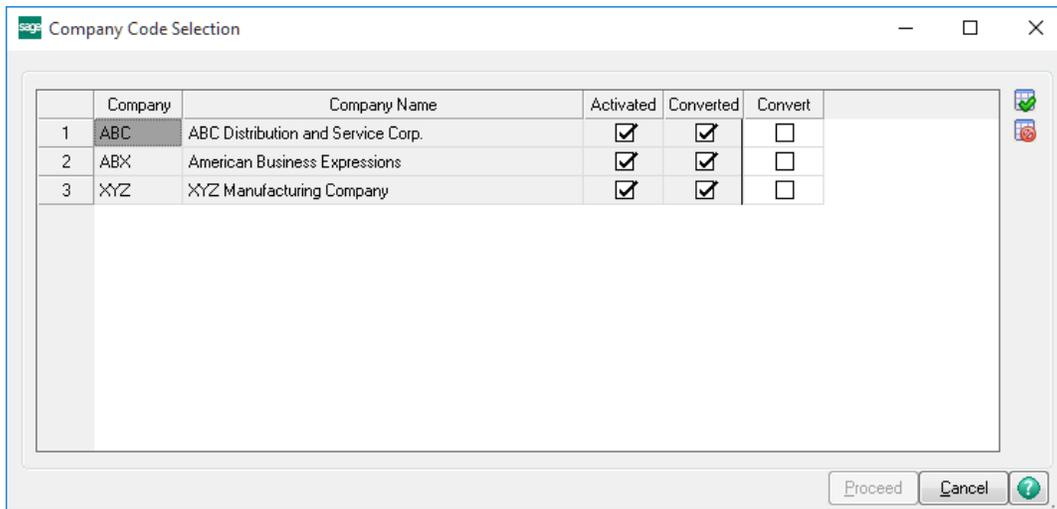
Unlock Product: This will cause the DSD Enhancement License Agreement and Activation window to appear. Using this window is described on the previous page. *This button is disabled if the selected Enhancement is already unlocked or if unlocking is not required.*

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.)*



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](#))

Section C: Setup

Upon completion of software installation, you will need to access Extended Solutions Setup from the Sales Order Setup menu. Select this part number and the Setup screen for this Extended Solution will appear. Check the 'Enable Extended Solution' box to activate this Extended Solution.

SO-1548 Line Calcs for Repro

Enable DSD Extended Solution: Level 5.40

1 | 2

When to Calculate: Always Perform Smart Calculation in Invoice Entry

Sales Order Detail UDF for 'Calculate in Square Feet': CALCINSQFT

Sales Order Detail UDF for 'Number of Originals': NOOFORIG

Sales Order Detail UDF for 'Number of Copies': NOOFCOPIES

Sales Order Detail UDF for 'Length': LENGTH

Sales Order Detail UDF for 'Width': WIDTH

Sales Order Detail UDF to Adjust by 'Width Table': WIDTH

Customer UDF to Suppress Rounding: SUPPRESSROUNDIN

Accept Cancel

Check this box to enable SO-1548 Line Calcs for Repro DSD ABC 10/16/2017

Answer the following prompts on Tab 1:

WHEN TO CALCULATE: Select one of the following to determine when or if calculations occur in Invoice Data Entry:

- Do not Perform Smart Calculation in Invoice Entry
- Perform Calculation in Invoice Entry without a Sales Order
- Always Perform Smart Calculation in Invoice Entry.

For smart calculation to occur in Invoice Data Entry, the following UDFs need to be set up in the S/O Invoice Detail file as well.

SALES ORDER DETAIL UDF FOR 'CALCULATE IN SQUARE FEET': Specify the check-box type Sales Order detail UDF for the 'calculate in square feet' flag.

SALES ORDER DETAIL UDF FOR 'NUMBER OF ORIGINALS': Specify the numeric Sales Order detail UDF for the number of originals.

SALES ORDER DETAIL UDF FOR 'NUMBER OF COPIES': Specify the numeric Sales Order detail UDF for the number of copies.

SALES ORDER DETAIL UDF FOR 'LENGTH': Specify the numeric Sales Order detail UDF for length.

SALES ORDER DETAIL UDF FOR 'WIDTH': Specify the numeric Sales Order detail UDF for width.

SALES ORDER DETAIL UDF TO ADJUST BY WIDTH TABLE: Specify one of the above numeric Sales Order detail UDFs to be adjusted by the width table.

CUSTOMER UDF TO SUPPRESS ROUNDING: Specify the check-box type Customer UDF for the 'suppress rounding' flag.

SO-1548 Setup Options

SO-1548 Line Calcs for Repro

Enable DSD Extended Solution Level 5.40

1 2

Width Table

Del

012
018
024
030
036
042
048
054

Accept Cancel

DSD ABX 10/6/2017

Answer the following prompt on Tab 2:

WIDTH TABLE: You can enter up to 70 three character width table values (default values are 12, 18, 24, 30, 36, 42, 48, and 54).

Role Maintenance

The following Task has been added to Sales Order, Setup Options:

- Extended Solutions Setup

You should visit this Setup screen after each upgrade or reinstallation of this Extended Solution.

Section D: System Operations

Sales Order Entry and Invoice Entry

The Detail UDFs need to be added to the data entry grid using Customizer. As each UDF value is changed, Quantity Ordered calculation occurs.

If the 'Calc in square feet?' UDF is unchecked, then

$$\text{Quantity Ordered} = \text{Originals UDF} * \text{Copies UDF}$$

If the 'Calc in square feet?' UDF is checked, then

$$\text{Calc1} = \text{Originals UDF} * \text{Copies UDF}$$

$$\text{Calc2} = \text{Length UDF} * \text{Width UDF} / 144$$

Round Calc2 up to the next highest integer; If it is less than 2, then Calc2 = 2

$$\text{Quantity Ordered} = \text{Calc1} * \text{Calc2}$$

If you specified a UDF to be adjusted by width table, its value will be compared to the values in the table prior to the calculation. If the UDF value is not equal to one of the values in the table, then the UDF value will be set to the next highest number in the table. If the UDF value is greater than the highest value in the table, then the UDF value will be set to the highest value in the table.

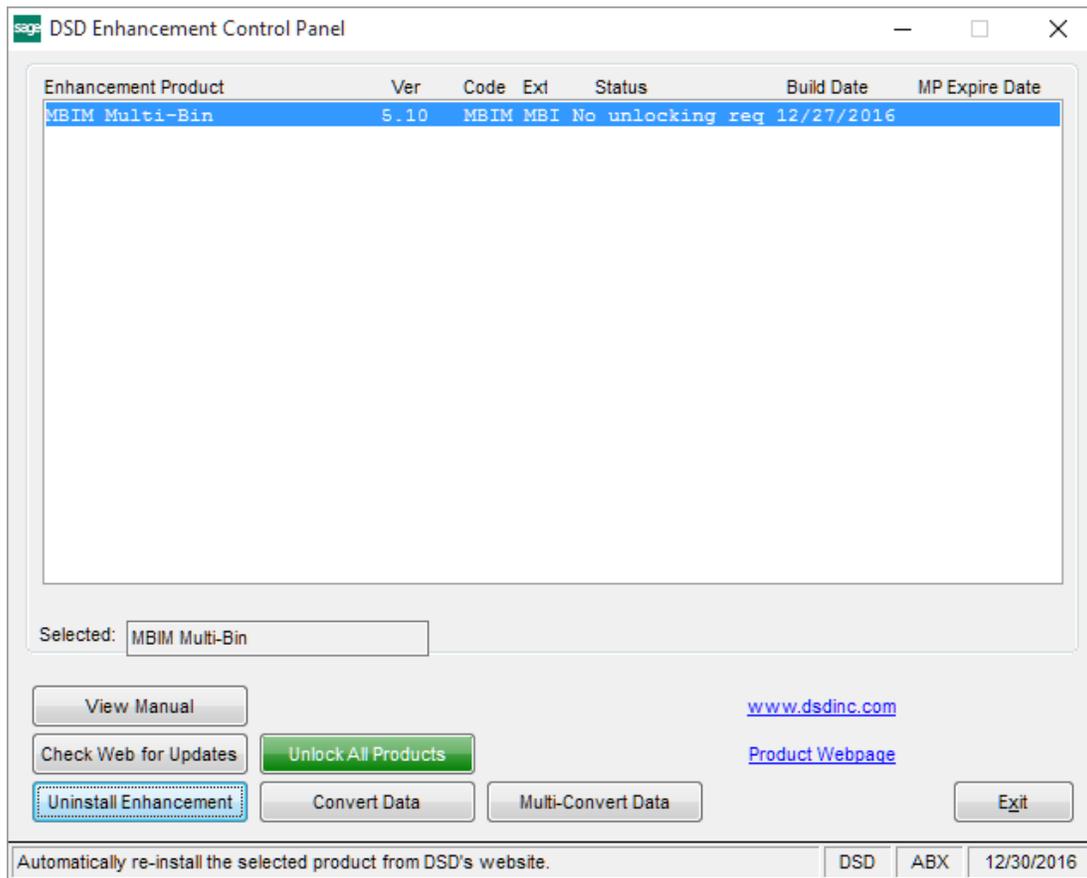
For example, the value entered into the UDF is 28. If 28 is not in the table and 30 is the next highest number, it will substitute 30 for 28 when making the calculation. This substitution will *not* change the actual UDF value for display or printing.

If the Quantity Ordered calculation results in a value greater than two, the program will round the value up to the next highest whole number. If the result is less than two, the program will *not* adjust the value before placing it in the Quantity Ordered field.

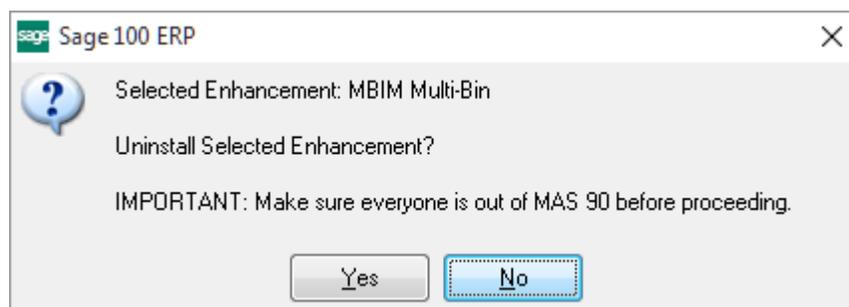
If you specified an A/R Customer UDF to suppress rounding, the program will check the status of this UDF for the A/R Customer referenced on the order/invoice. If the status is set to 'checked,' then the rounding to nearest integer part of this calculation will not occur.

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.



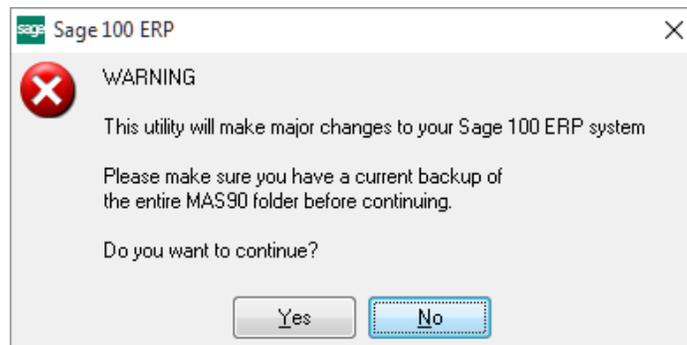
When accessing the **DSD Enhancement Control**, select the enhancement that you wish to Uninstall, and then select the **Uninstall Enhancement** button. The following message box will appear:



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.



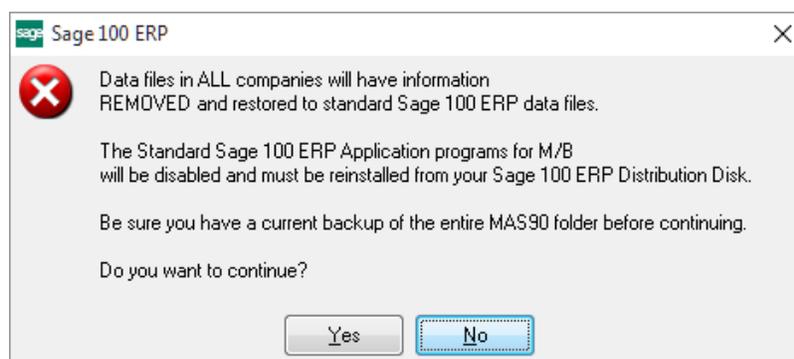
Select **No** to exit the Uninstall Process.
Select **Yes** to continue with the Uninstall Process.

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.

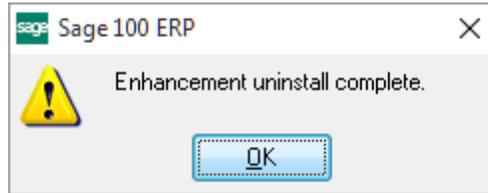
Select **No** to exit the Uninstall Process.
Select **Yes** to continue with the Uninstall Process.

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).