

AccuMark® Professional Edition

What's New for AccuMark 12.2.0

Turn Digitalization into Speed

Highlights

- ❖ Proportional Grading
- ❖ Ability to add QR/barcodes to print files
- ❖ New image option for pdf placement supporting spot colors

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AccuMark® Professional Edition

What's New for AccuMark 12.2.0

Enhancements since 12.1

AccuMark Explorer

Options - Ability to Export Hot Keys Only

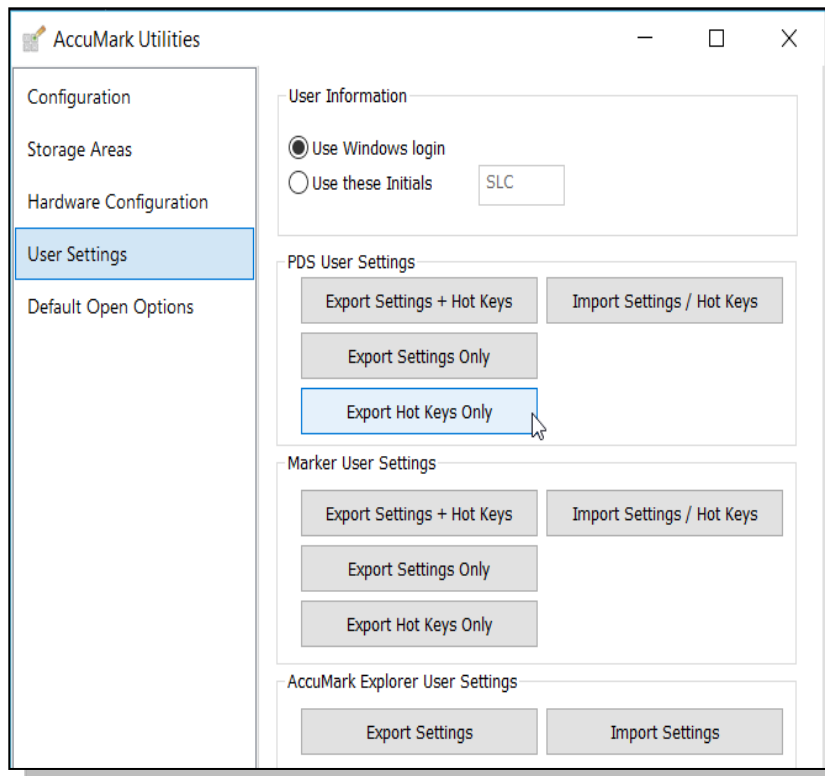
The ability to export user settings has always been helpful, especially for companies who want to share similar settings and preferences with several users, or to make backups of user settings so they can be easily imported onto new systems. User settings export and import are available for PDS, Easy Marking and AccuMark Explorer.

The user settings including customer hotkey configurations were bundled into one configuration file, making it challenging for customers who only want to share the hotkey settings and not affect the personal preferences like PDS color settings or screen layout that individual users liked.

New in V12.2 we have provided the ability to export user settings and customized hotkeys separately allowing customers to create their own extensive standardized hotkeys to be easily sharable amongst users while letting them preserve their distinct preferences.

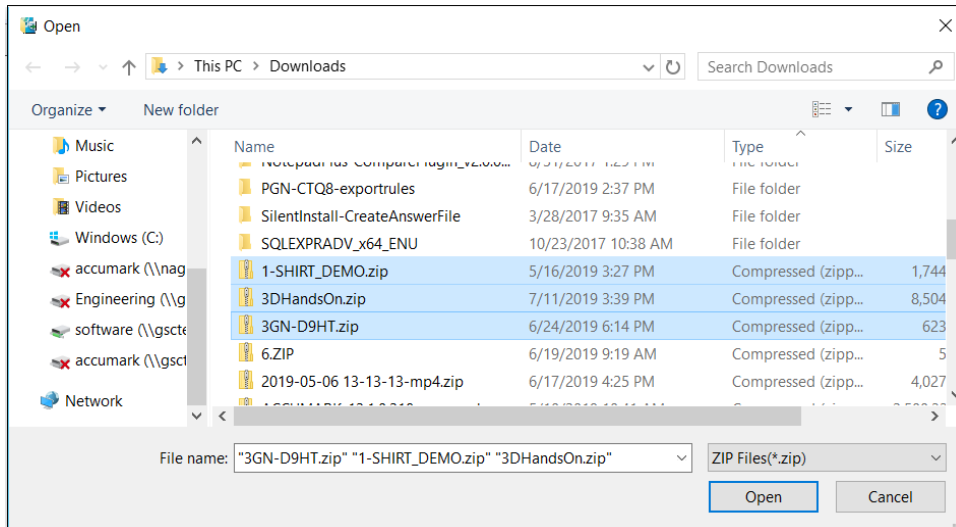
New buttons have been added into the User Settings section of the AccuMark Explorer's Options for Export. Users can export both user settings and hotkeys, export just user settings, or export just the hotkey configurations for PDS and Easy Marking making it easy to export and share only what's needed.

The Import Setting button has been renamed to "Import Settings / Hot Keys" and will import user settings and hotkeys, just user settings, or just the hotkey configurations - the import will retrieve and apply only what the file contains.

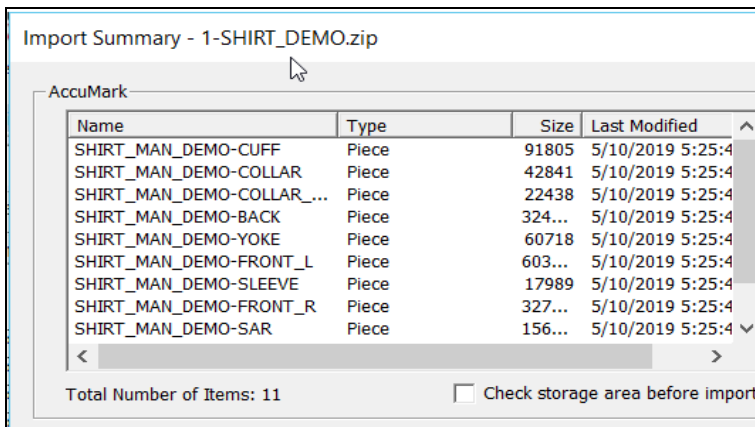


Import Multiple Zip Files at Once

Importing zip files just got easier and more efficient! Instead of having to import each zip file individually, you can now select more than one zip file to import at the same time using the CTRL and SHIFT keys to make your selections. The AccuMark zip files will be imported in the order they are selected.

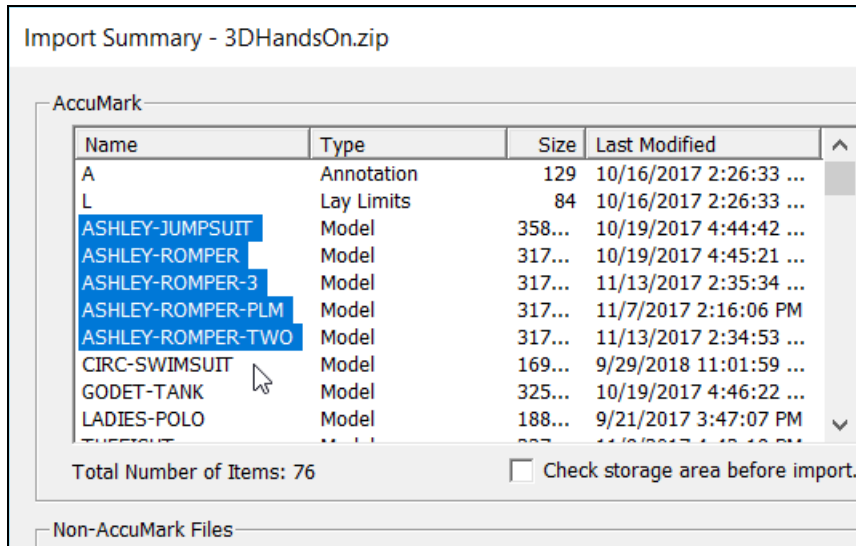


During the import process each zip file will be brought up to show its own Import Summary:

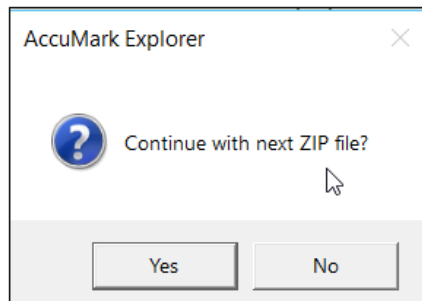


The import process is done this way to still allow the user to review the list of items being imported and thus, permitting you to optionally only select items from the list that you want to import.

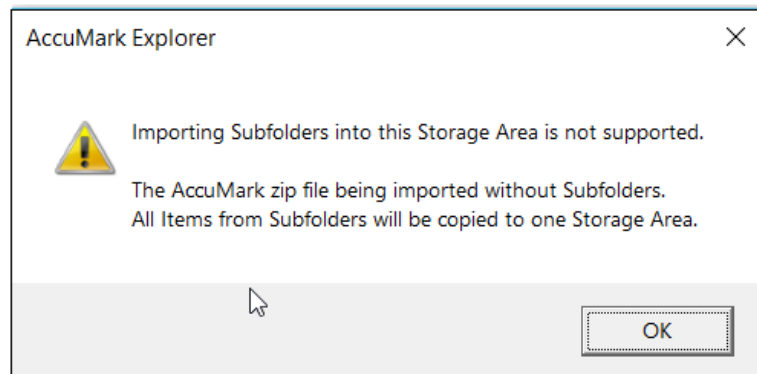
For example – in this zip file you only want to import the “Ashley*” models, you can click to select only those data items:



If you clicked to Cancel the import of one of the selected zip files, a prompt will be displayed to ask if you want to proceed with any of the remaining zip files that were selected:

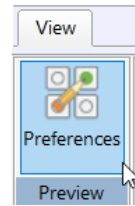


Note that if you’re importing a zip file that contains subfolders into a userroot storage area, you will still be presented with this informational message informing the user that all the data will be imported into the single userroot storage area:



Preview Pane – Piece – Display Notch Shapes

Users have the ability to turn on or turn off the visibility of the notch shapes for pieces in the AccuMark Explorer's Preview Pane. In the ribbon on the View tab select the Preferences icon, then click on the Piece selection to set the notch display option. Note that the notch information to use will be from the default P-NOTCH table.



Name	Type	Last Modified
LADIES-POLO-FRONT	Piece	9/21/2017 3:47:07 PI
LADIES-POLO-SLEEVE	Piece	9/21/2017 3:47:07 PI
LADIES-POLO-SLEEVEBAND	Piece	9/21/2017 3:47:07 PI
P-NOTCH-01	Piece	2/22/2018 4:07:12 PI

Item	Sample	Color	Options
Point ID Annotation	-- Sample Text --	[Color]	<input checked="" type="checkbox"/> Enhanced Character Set <input type="checkbox"/> Fill Area <input type="checkbox"/> Display Images <input checked="" type="checkbox"/> Display Notch Shapes

Name	Type	Last Modified
LADIES-POLO-FRONT	Piece	9/21/2017 3:47:07 PI
LADIES-POLO-SLEEVE	Piece	9/21/2017 3:47:07 PI
LADIES-POLO-SLEEVEBAND	Piece	9/21/2017 3:47:07 PI
P-NOTCH-01	Piece	2/22/2018 4:07:12 PI

Item	Sample	Color	Options
Point ID Annotation	-- Sample Text --	[Color]	<input checked="" type="checkbox"/> Enhanced Character Set <input type="checkbox"/> Fill Area <input type="checkbox"/> Display Images <input type="checkbox"/> Display Notch Shapes

Model

Fabric Names allow dash (-) and underscore (_)

Many users have requested the ability to use some special characters in the fabric names. In V12.2 we have added the ability to use dashes (-) and underscores (_). These updates are for version 9 storage areas only.

	Piece Name	Piece Image	Piece Category	Piece Description	Comment	Paste	Fabric	
1	LADIES-BLOUSE-BK		BACK	CUT1	new fabric name	<input type="checkbox"/>	Main-Fb1	
2	LADIES-BLOUSE-COL		COLLAR	CUT2	new fabric name	<input type="checkbox"/>	Main-Fb1	Fusible_1
3	LADIES-BLOUSE-CUFF		CUFF	CUT2	new fabric name	<input type="checkbox"/>	Main-Fb1	Fusible_1
4	LADIES-BLOUSE-FR		FRONT	CUT2	new fabric name	<input type="checkbox"/>	Main-Fb1	
5	LADIES-BLOUSE-SL		SLEEVE	CUT2	new fabric name	<input type="checkbox"/>	Main-Fb1	

If you use the Export V9 Models / Pieces to V8 function, the data will not export and the user will be notified:

Export Results
— □ ×

Results

	Total Count	Converted Count
Model(s):	1	0
Piece(s):	5	5
Rule Table(s):	0	0
Marker(s):	0	0
Digitize Data(s):	0	0

Description	Saved	Error	Warn
[-] V9 Models/Pieces to V8	1	1	1
[-] FABRICNAMES	1	1	1
[-] FABRICNAMES	No	1	1
[-] LADIES-BLOUSE-BK	Yes	0	1
[-] LADIES-BLOUSE-COL	Yes	0	0
[-] LADIES-BLOUSE-CUFF	Yes	0	0
[-] LADIES-BLOUSE-FR	Yes	0	0
[-] LADIES-BLOUSE-SL	Yes	0	0

Message

- Source File Name: LADIES-BLOUSE-FABRICNAMES
- Destination File Name: FABRICNAMES
- ✘ The source Model [LADIES-BLOUSE-FABRICNAMES] contains fabric codes not supported in V8 storage areas

Show messages in tree

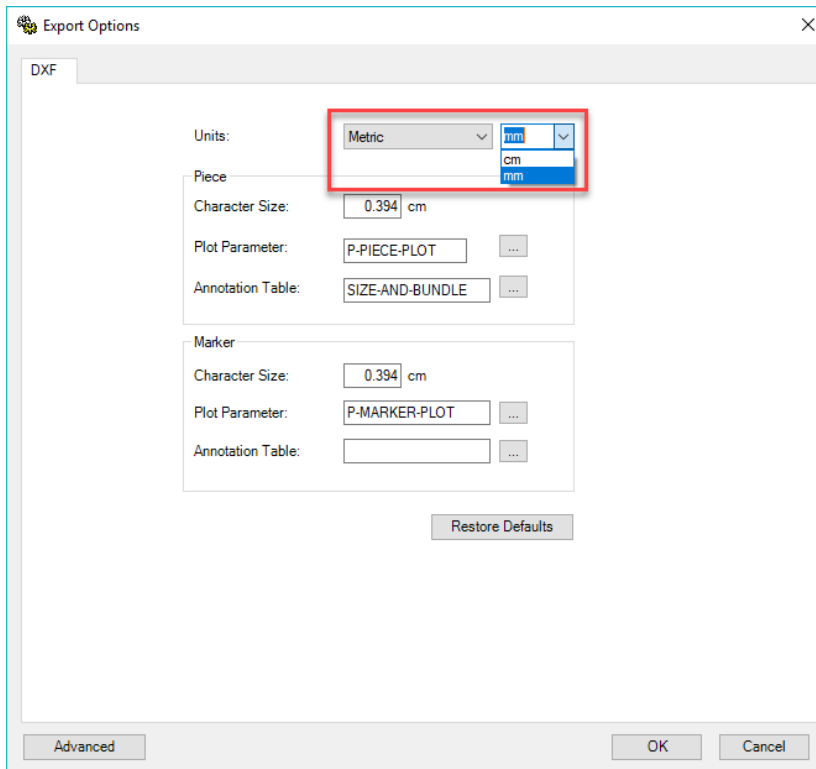
Report Results
Close

Data Conversions

Standard DXF Supports Millimeters

A new Export option has been added to the Standard DXF option to define the metric unit as either centimeters (cm) or millimeters (mm). Note that the Standard DXF file does not contain the defined unit, only values. It is critical the user communicates the correct unit for importation of these files.

The unit preference can be changed within the Data Conversion Utility or Pattern Design by selecting **View/Options** while in Export Mode.



Easy Plan

Easy Plan now has a new default setting in Step 1A. The checkbox for Adding a Piece or Bundle to an AccuMark marker is now automatically set. When creating AccuMark Marker orders, having this selection on by default allows users to easily add pieces or bundles during the marking process.



AccuMark® Professional Edition What's New Pattern Design 12.2.0

Enhancements since 12.1

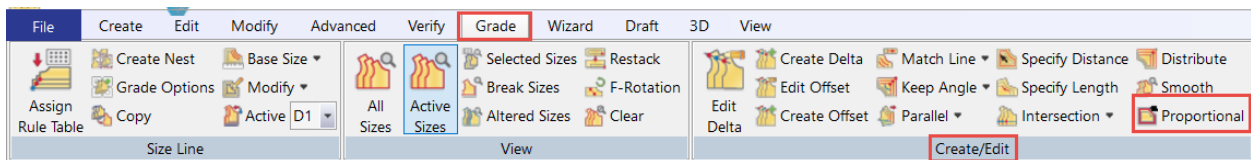
Grade Enhancements

Proportional Grading

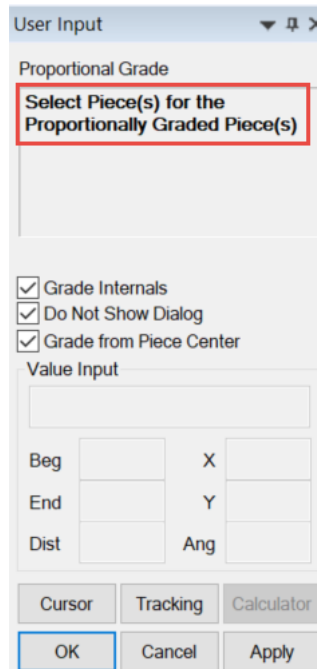
In v12.2 we added another exciting grading function to PDS called Proportional Grading. This function allows the user to grade a piece proportionally. Proportional grading is very common in certain industries, such as lingerie and swimwear production.

Proportional grading can be created using linear or percentage values. If linear values are selected and input, the piece is graded equally from a stack point or piece center in a proportional manner. If percentages are selected and input, the piece is graded equally from a stack point or the piece center by proportion of the actual piece size.

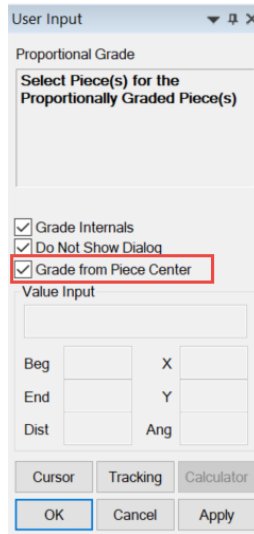
The Proportional function is found in the Grade Menu, in the Create/Edit section.



Once the function is selected, the user is prompted to select the stack point of the piece or pieces. This is the zero point of the grade to be applied.

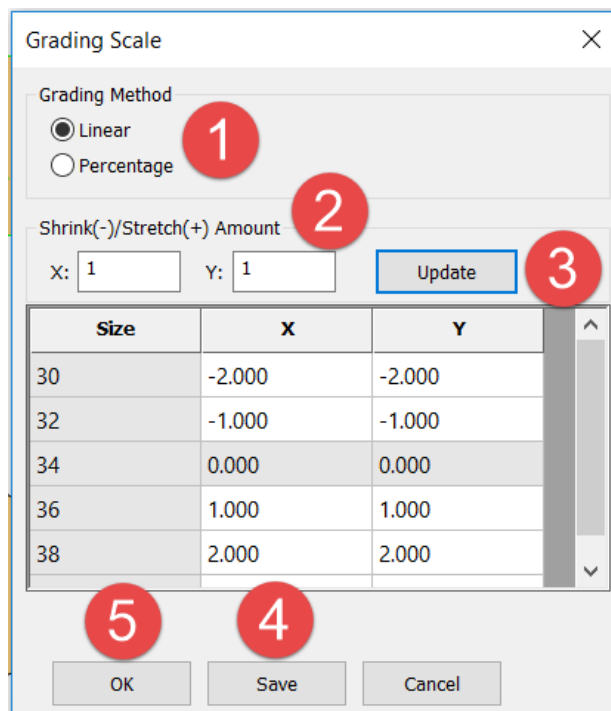


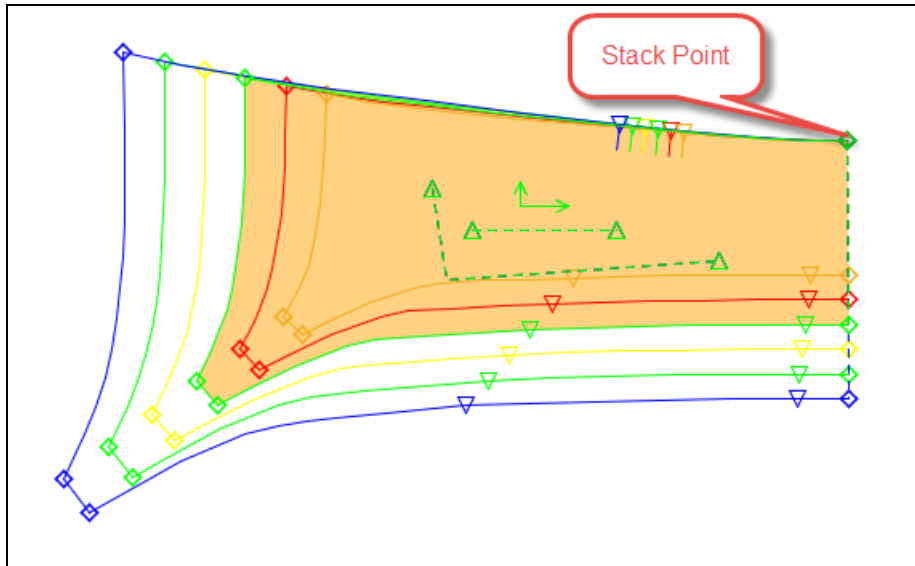
The user also has the option of grading the piece from the center rather than selecting a stack point. To grade from the center, the user must select the checkbox “Grade from Piece Center” in the user input area.



Once the user selects the stack point (or the piece to be graded from center), the Proportional Grade dialog box appears.

First, the user can choose between linear and proportional. Second, the user fills the desired values into the X and Y fields. Third, the user selects Update to populate the grade for all sizes. Once populated, the user can make any necessary changes to the grade amounts, for example, if there is a grade break between sizes. Fourth, the user can choose to save the grading amounts entered in the dialog box so that they can be easily applied to additional pieces. Lastly, the user selects OK to exit the dialog box and apply the grade to the selected piece(s).





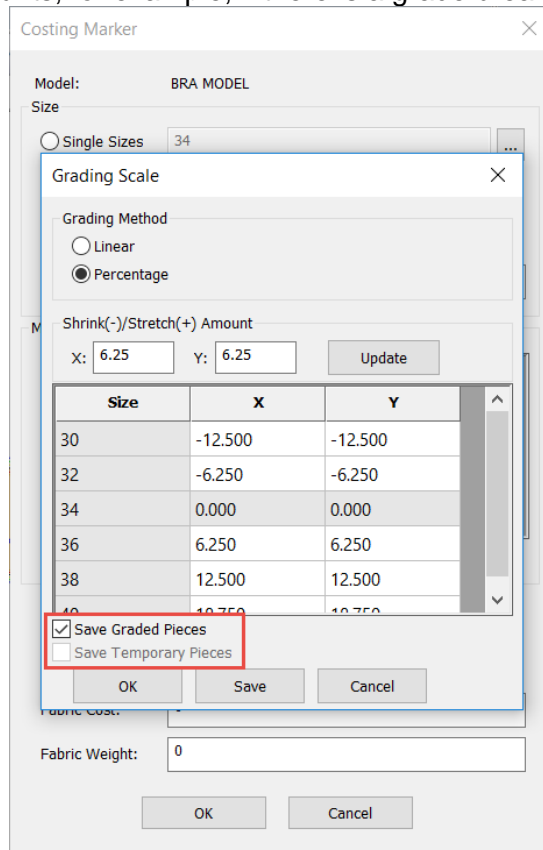
If the user saves the growth amounts in the dialog box, these values can be applied to additional pieces without having to open up the dialog box again. There is a checkbox in the function to “Do Not Show Dialog” so this step can be bypassed. There is also an option to grade internals as well as the perimeter of the pieces.

The screenshot shows the "User Input" dialog box for "Proportional Grade". It features a section titled "Select Piece(s) for the Proportionally Graded Piece(s)". Below this, there are three checked checkboxes: "Grade Internals", "Do Not Show Dialog", and "Grade from Piece Center". The "Value Input" section contains a text field and a grid of input fields for "Beg", "End", "Dist", "X", "Y", and "Ang". At the bottom, there are buttons for "Cursor", "Tracking", "Calculator", "OK", "Cancel", and "Apply".

If the user saves the values in the dialog box, the values will remain saved for that size line between storage areas and work sessions as well. If at any point the values are changed for that size line and saved again, the new values will become the saved grade values. This means that a user can set up the growth for each size line and use the same growths over and over again without having to open up the dialog box to apply the grading. The user also has the option to show the dialog box to change the values for a particular piece, but not save the values, thereby keeping the most commonly used grade values for that particular size range.

Proportionally Graded Pieces and Costing Markers

In v12.2 we also added the ability to create proportionally graded pieces when generating a costing marker. In previous versions we have had the ability to perform “Quick Grading for Costing” when creating the costing markers in PDS. We have now added the ability to save the grade that is generated for the costing marker. When a user selects the Quick Grading for Costing button in the Costing Marker dialog box, a Grading Scale dialog box appears. Here the user can select either Linear or Percentage grade, the grade amount in the X and Y, and selects Update to populate the grade for all sizes. Once populated, the user can make any necessary changes to the grade amounts, for example, if there is a grade break between sizes.



At the bottom of the dialog box, two new check boxes have been added. The Save Graded Pieces checkbox will save the proportionally generated grade to the pieces keeping the same piece names. The Save Temporary Pieces will save the graded pieces with a new name (“_TEMP” added to original piece name).

C BC	Piece
C BC_TEMP	Piece
C BK	Piece
C BK_TEMP	Piece
C CF	Piece
C CF_TEMP	Piece
C FL	Piece
C FL_TEMP	Piece

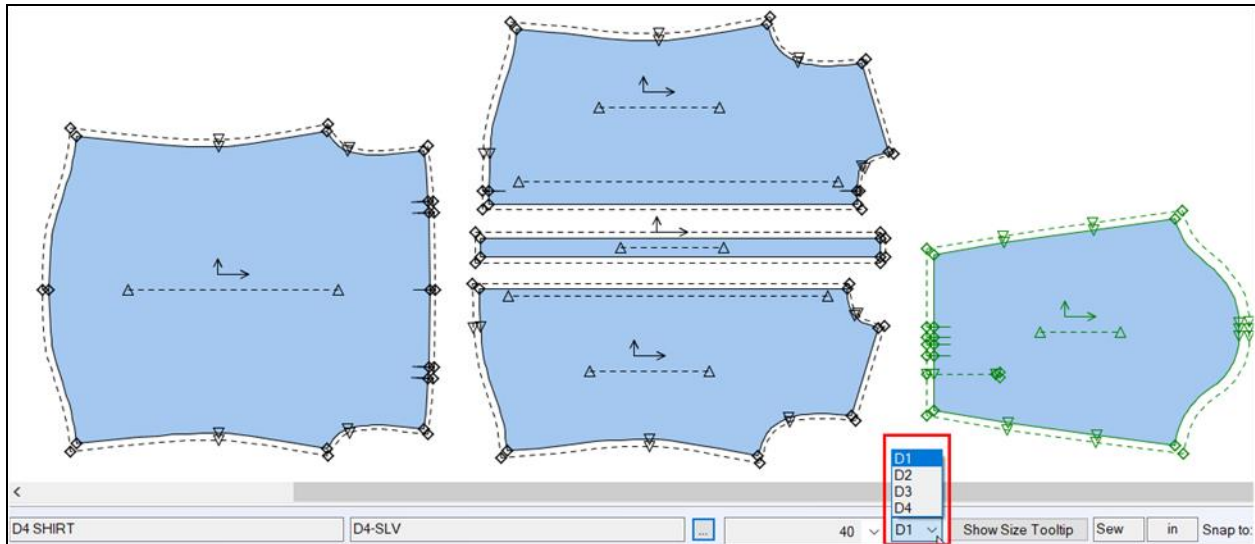
The pieces are proportionally graded from the center point of each piece. But the user can change the stack point, if desired, in PDS after the grading is generated.

Multi-Dimensional Grading Updates

In v12.0 we added the new feature of Multi-Dimensional Grading. In v12.2, we have added some additional features to this functionality.

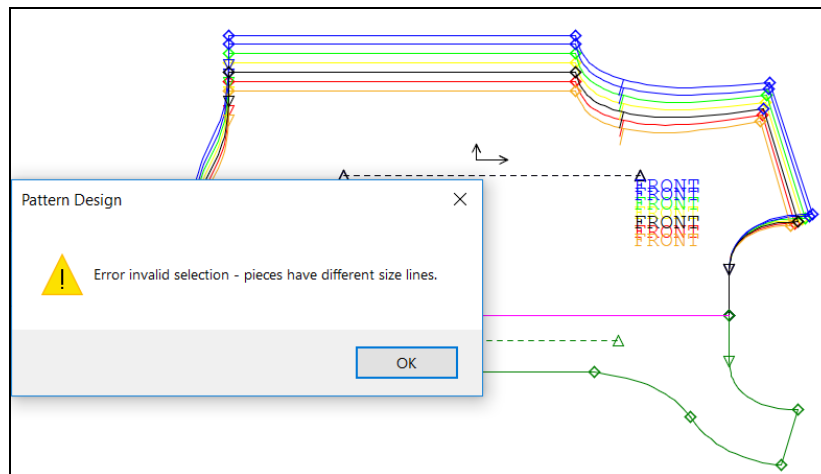
Active Dimension Combo Box in Info Bar

An Active Dimension Combo Box has been added to the information bar at the bottom of the PDS window. This gives the user a way to change the Active Dimension without having to open the Grade menu.



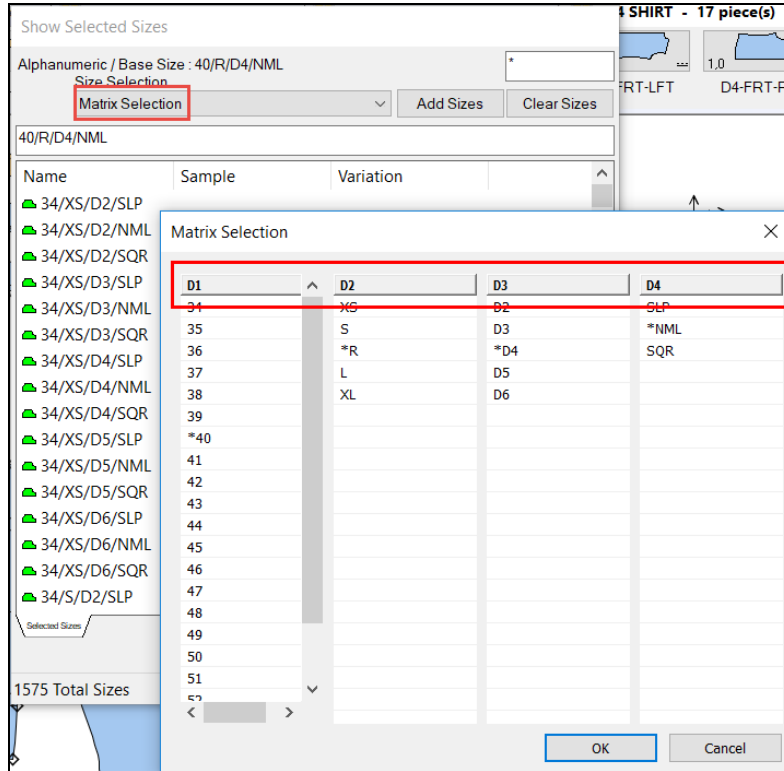
Combining Pieces

Using the function Combine Piece is only allowed if the two pieces have the same size line. The same is true for Multi-Dimensionally graded pieces. If you try to combine two pieces that do not have the same number of grade dimensions and the same size line for each grade dimension, a warning message will appear.



Matrix Size Selection Dialog Box

When selecting sizes to display in PDS, the Matrix selection option is often used to select combined sizes quickly and efficiently. In v12.2 we enhanced the look of the Matrix selection dialog box to better distinguish between the size dimension and the sizes themselves.



Nest Colors added to Edit Delta

In v12.2 we have added the piece nest colors to the Edit Delta dialog box in PDS. This gives the user a visual of the color that is assigned to each size of the nest.

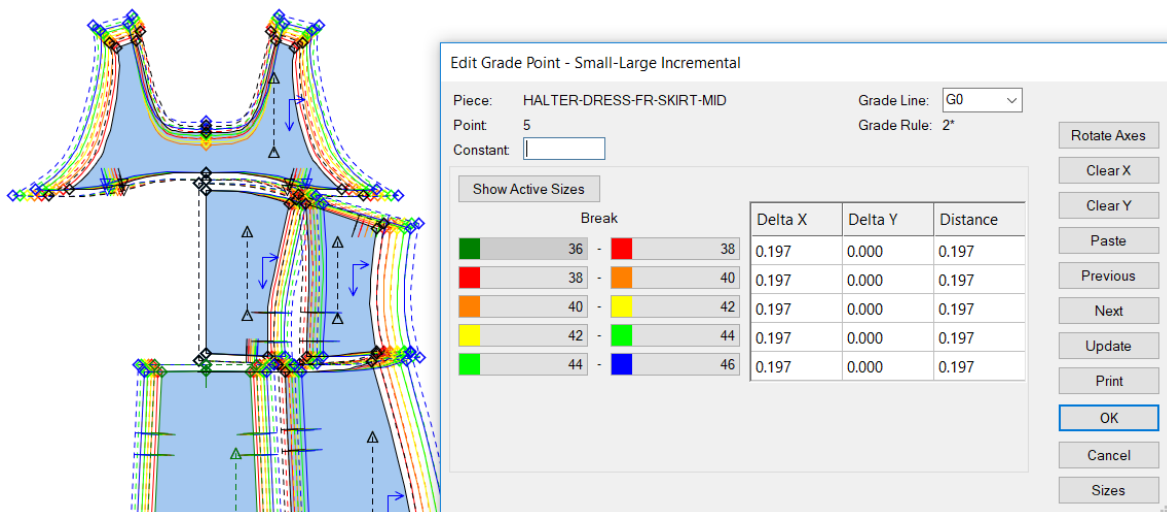


Image Enhancements

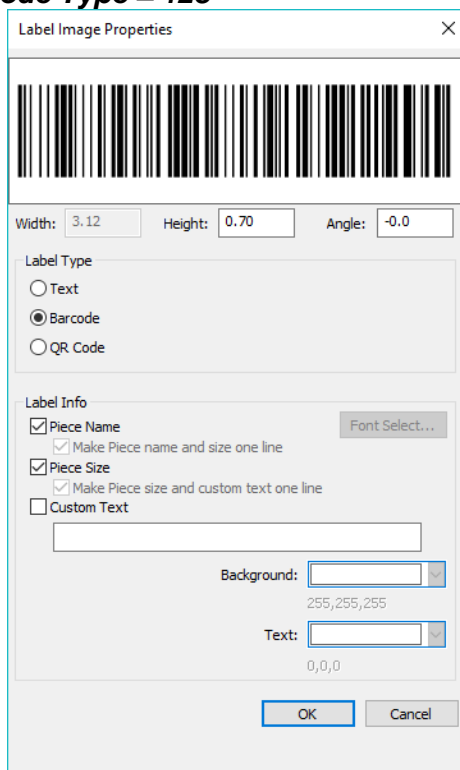
Piece Barcode and QR Codes Available for Digital Printing

Two new options are available to identify pieces within digital print files, Barcodes and QR Codes. These additional piece identification options help to further automate On Demand manufacturing by allowing scanning technology to link with production processes.

To Add a Barcode to a Piece:

1. From the **Create** tab, select **Place Image**.
2. In the Image Type, select **Label**.
3. Then choose the location, typically within the seam allowance, to place the label.
4. Once the location is selected, the Label Image Properties dialog will appear. In the Label Type, select **Barcode**. Define the Height and Angle. The Width is automatically determined by the amount of text requested. For the Label Info, select from the desired options. Press OK once all options have been defined.
 - **Piece Name** – 1-50 characters
 - **Piece Size** – 1-30 characters
 - **Custom Text** – 1-25 characters
5. The Background will automatically be selected as white against the black barcode to easily scan. These fields are uneditable.

Barcode Type = 128



The dialog box, titled "Label Image Properties", shows a preview of a 128 barcode at the top. Below the preview, the following settings are visible:

- Width: 3.12, Height: 0.70, Angle: -0.0
- Label Type: Barcode (Other options: Text, QR Code)
- Label Info:
 - Piece Name (with Font Select... button)
 - Make Piece name and size one line
 - Piece Size
 - Make Piece size and custom text one line
 - Custom Text
- Background: 255,255,255 (uneditable)
- Text: 0,0,0 (uneditable)

Buttons for "OK" and "Cancel" are at the bottom.

Piece View

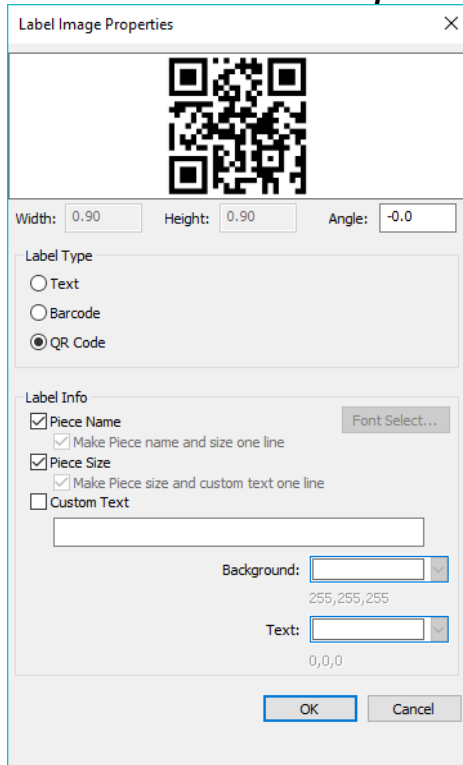


Barcodes and QR Codes are added in Pattern Design and are carried through to Easy Marking where the final print file can be generated. The label information is automatically viewable within the marker.

To Add a QR Code to a Piece:

1. From the **Create** tab, select **Place Image**.
2. In the Image Type, select **Label**.
3. Then choose the location, typically within the seam allowance, to place the label.
4. Once the location is selected, the Label Image Properties dialog will appear. In the Label Type, select **QR Code**. Define the Height and Width are automatically determined by the # of characters requested. For the Label Info, select from the desired options. Press OK once all options have been defined.
 - **Piece Name** – 1-50 characters
 - **Piece Size** – 1-30 characters
 - **Custom Text** – 1-25 characters
5. The Background will automatically be selected as white against the black barcode to easily scan. These fields are uneditable.

QR Code Model = 2, 6, or 10
**depends on # of characters requested*



Piece View



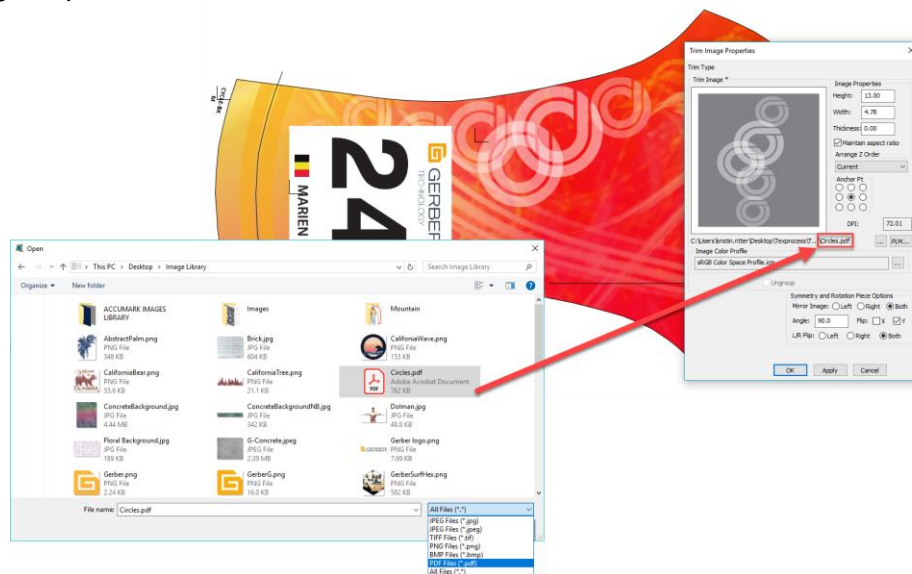
Vector PDF Accepted as Supported Image Type

Previously AccuMark only accepted raster image types for placement used in 3D rendering, creating digital print files, or validating image placement. These file types included: jpg, png, bmp, and tif.

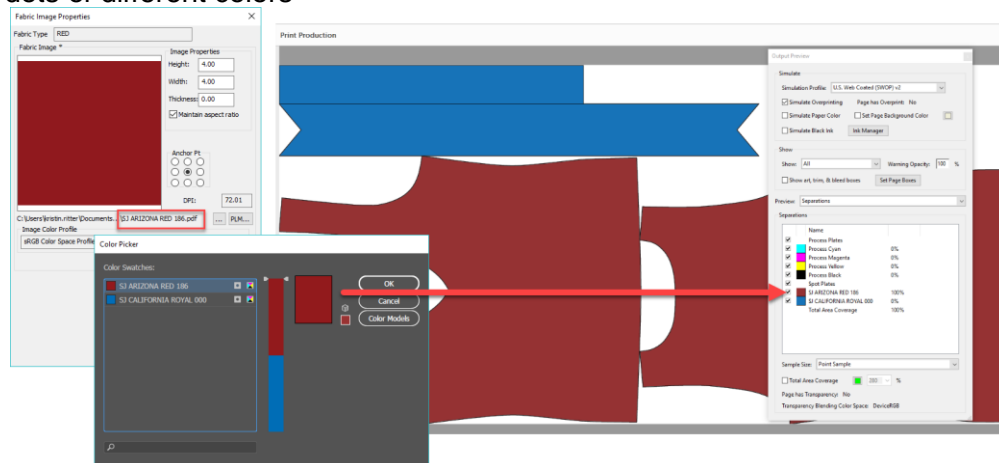
Now a vector PDF file is also an acceptable file type for all image processes within AccuMark and support all image types, including fabric, trim, and edge finishes. PDF files are commonly accepted graphic format and offer more flexibility in maintaining color information such as Spot Colors.

To Place a Vector PDF Image in Pattern Design:

1. From the **Create** tab, select **Place Image**.
2. In the Image Type, select the desired option (Fabric, Trim, or Edge Finish).
3. Select a directory or PLM database with the stored PDF image and then select the PDF image to place.



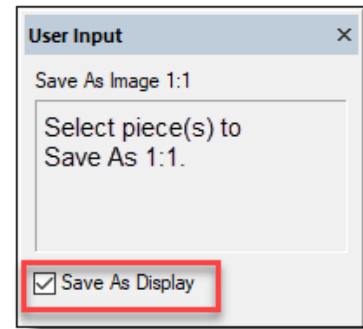
Here is an example of a PDF containing a Spot Color from placement in Pattern Design through print file generation in Easy Marking. A spot color is any color generated by an ink (pure or mixed) that is printed using a single run, whereas a process color is produced by printing a series of dots of different colors



Save As 1:1 Supports all Features in Piece Display

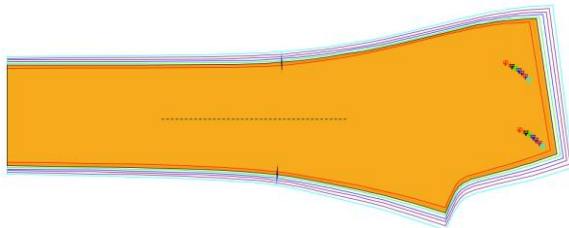
Save As 1:1 was designed to generate full scale digital print files for a piece directly in Pattern Design. For this process, only the perimeter line and images were saved in the PDF file.

For AccuMark 12.2, additional enhancements have been added to also include piece features such as seam allowance, graded nest, drill holes, or notches to be saved in the full-scale PDF file by selecting the option Save As Display.

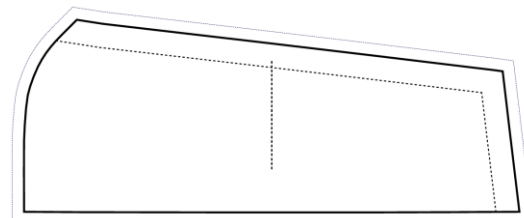
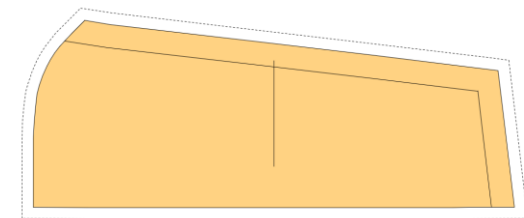
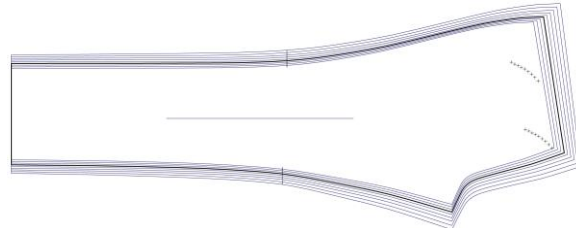


The pieces in the PDF will appear as displayed in the work area when this option is selected. Use the viewing options to display graded nest or hide/show seam to prepare the pieces prior to generating the full-scale PDF.

Piece in Work Area



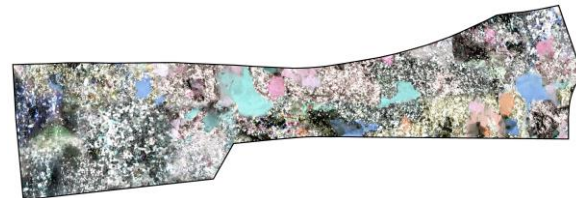
✓ Save as Display PDF



Piece in Work Area



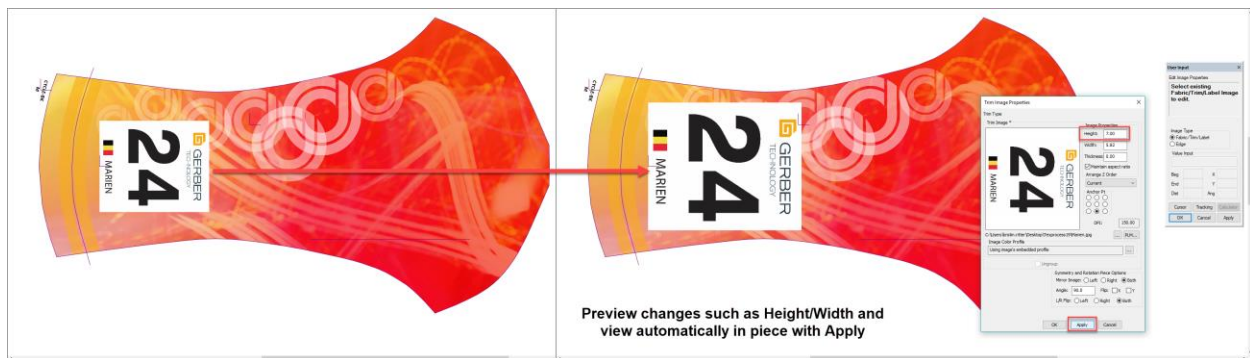
Digital Print File PDF (Do not select Save as Display)



Piece Preview When Placing or Editing Images

The Image Properties dialog now contains an option to Apply image adjustments prior to exiting the function. By selecting apply after changing any image properties such as height, width, or angle, the image will update on the piece. This new time saving validation feature allows image changes to be applied and viewed without needing to exit the function to see the end result.

The Apply feature can be accessed within either Create – Place Image or Edit – Edit Image Properties. The preview option is available for Fabric, Trim, and Edge Finish image types.



Ease of Use Improvements

Copy and Paste Pieces between Work Areas

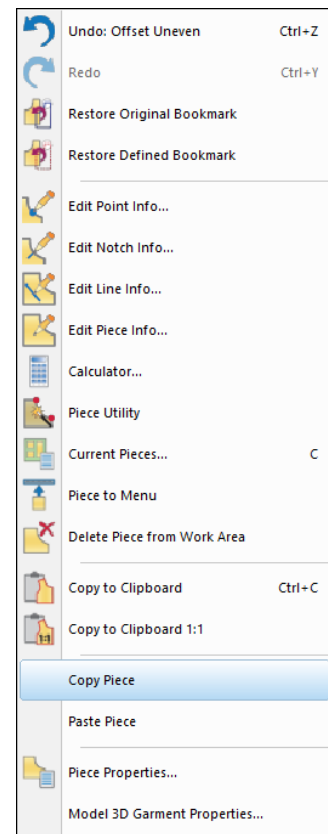
In many cases, reference pieces or slopers are used to create new styles, reference measurements, or confirm pattern shapes. To make the process easier to access patterns, a new feature has been added to copy and paste pieces between work areas.

To access the copy and paste piece feature, right mouse button click in the work area to open the idle popup menu. It is also possible to define custom hotkeys for Copy/Paste Piece through Edit/Customize/Custom Toolbars. In the Keyboard tab, the Copy/Paste features are located in Work Area Menu category.

Copy piece supports multi piece selection by using the Ctrl key or a marquee selection. Once the piece(s) are copied, they are stored in memory and available to paste to any work area while Pattern Design is running. The next use of Copy Piece replaces the previously selected piece(s) and only the new selection is available to paste.

Paste piece supports user defined placement in the work area, as well as the Undo and Redo functionality. The paste piece is a copy of the original, so editing the pasted piece does not automatically modify the original copied piece. If a Save is performed on an updated pasted piece, the changes will be stored with the piece and available in all work areas. Each use of Paste Piece creates new piece copies.

A pasted piece(s) is not automatically added to the piece icon menu, but if needed the user can right mouse button to select the idle popup menu and choose Piece to Menu.

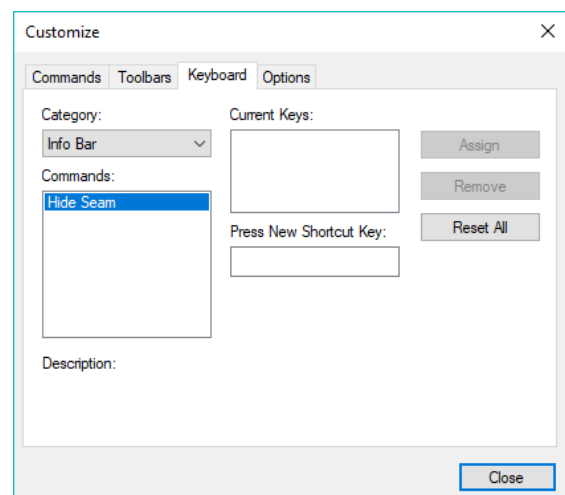


Hotkey for Hide Seams

A user defined hotkey can now be created for the Hide Seams functionality located in the information bar of Pattern Design.

To create the Hide Seams hotkey:

6. From the **Edit** tab, select **Customize – Custom Toolbars**.
7. Then select the **Keyboard** tab in the Customize dialog.
8. Under Category, choose **Info Bar**.
9. Select Hide Seams and define the desired hotkey and press **Assign**.



This is a one-time setup and then the hotkey can be used continually to access the ability to hide/show the seam allowance.

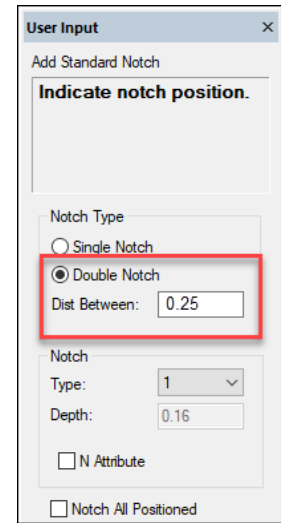
Quickly Add Double Notches

Often pieces will be marked with a double notch to differentiate a front versus a back pattern piece. In this case, it was necessary to add the notch twice to accommodate the piece classification.

A new option has been added within Create – Standard Notch to automatically place a double notch.

To add a Double Notch:

1. From the **Create** tab, select **Standard** in the Notch Panel.
2. Select **Double Notch** in the Notch Type option in the User Input panel and define a distance between the notches.
3. Select the notch location using one of the following methods:
 - Cursor Mode
 - Value Mode
 - Right Mouse Button Mode



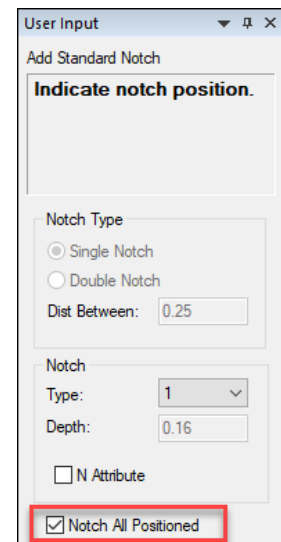
Notch All Positioned

An additional option has been added to Standard Notch that allows multiple pieces that are stacked or positioned to all receive a notch at the time of placement. Piece perimeter lines must touch in order to notch all. There is a small tolerance of 0.005.

Note: Double Notch Type is not supported with Notch All Positioned.

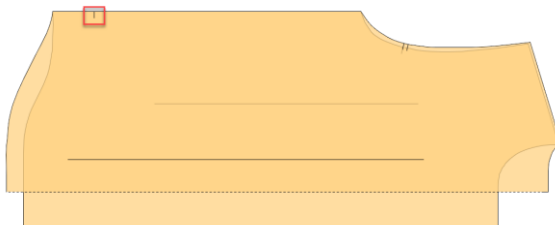
To Notch All Positioned:

1. Position pieces together in work area using Snap to Geometry.
2. From the **Create** tab, select **Standard** in the Notch Panel.
3. Select **Notch All Positioned** in the User Input panel.
4. Select the notch location using one of the following methods:
 - Cursor Mode
 - Value Mode
 - Right Mouse Button Mode

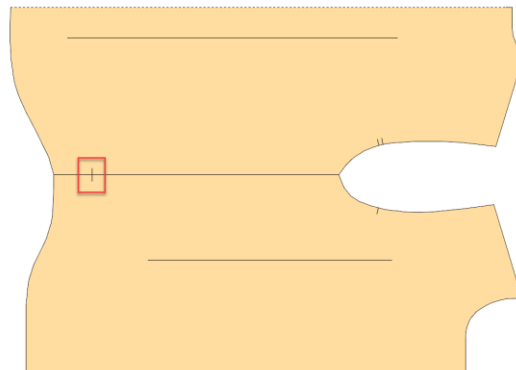


Examples of Piece Placement for Notch All Positioned

Stacked



Positioned



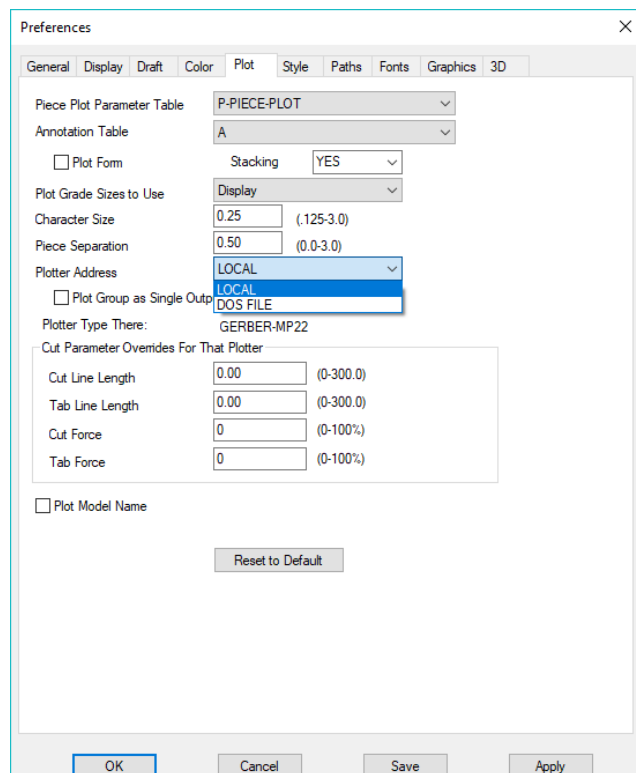
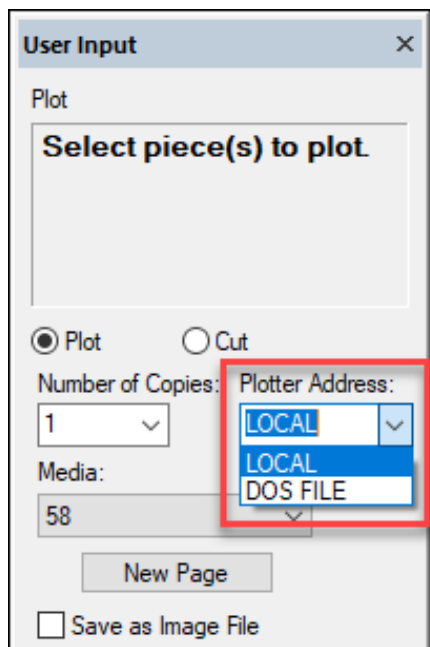
Plotter Address Definable Directly in Plot

Now the selection for plotter address is directly available within the Plot function. Previously, the plotter address was defined in the Pattern Design Preferences located in the Edit tab. When multiple plotters were available or changing from local to DOS plot file, this setting would need to be changed or referenced within the Preferences. There was no visual indication what plotter was defined.

To make the selection more efficient when using multiple plotters, the new Plotter Address option has been added directly in File – Plot. There is no need to change the setting in the Preferences. The Plotter Address option is a sticky field and will retain the last referenced plotter. Active plotters still need to be configured within the AccuMark Explorer Options.

The Plot Preferences are still available and referenced for additional settings such as plot parameter tables, annotation tables, stacking, and character size. These settings can be adjusted differently for local plotters versus DOS file plotting.

New Plotter Address option in Plot Previous Plotter Address setting in Preferences



Trace Annotation Option

In previous versions, Trace Piece would automatically copy piece text and measurements to a traced piece. In many cases, the copied information was not needed in the traced piece and added an additional step to delete.

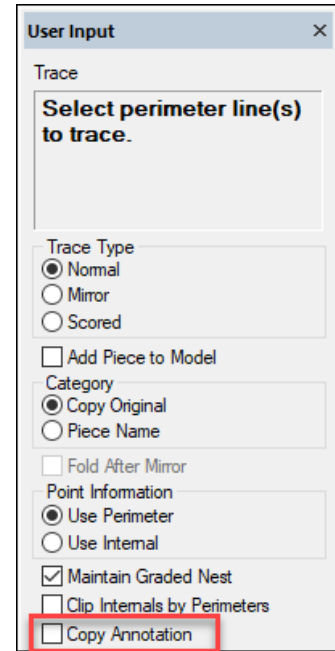
Now an option has been added to Trace Piece called Copy Annotation allowing the user the choice to copy annotations or not. The option is a sticky field and will retain the last selected preference. It also will automatically select or ignore all annotations and measurements for a piece.

To Trace with Annotation:

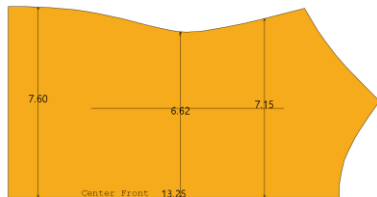
5. From the **Create** tab, select **Trace**.
6. **Select** Copy Annotation and select perimeter lines to trace.

To Trace without Annotation:

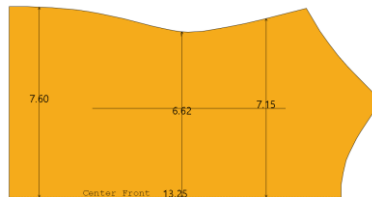
1. From the **Create** tab, select **Trace**.
2. **Deselect** Copy Annotation and select perimeter lines to trace.



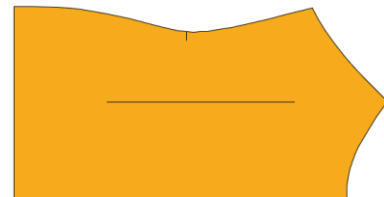
Original Piece



Copy Annotation = checked



Copy Annotation = unchecked



Note: The Copy Annotation option is also supported with macros in the Wizard tab of Pattern Design.

Change Walk Direction for Individual Line Segments

The walk direction of a selected line starts from the beginning of the perimeter or the internal line. The majority of the time, this direction is correct, but there are certain cases where a specific segment of a line needs to change direction in order to correctly follow the full stationary or mobile walk line across multiple pieces.

To accommodate these cases, a new right mouse button option, Change Direction Last Segments, has been added to the Walk Piece function located in the Verify tab.

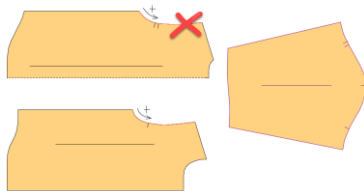
To Change Direction of Last Line Segment while Walking:

1. From the **Verify** tab, select **Walk Piece**.
2. Select the stationary line(s). Use the Ctrl key to select multiple lines. If you need to change direction of a single segment within the selection, right mouse button and select **Change Direction Last Segments**. Once all stationary lines are selected release the Ctrl key.
3. Next select the walk line(s). Use the Ctrl key to select multiple lines. If you need to change direction of a single segment within the selection, right mouse button and select **Change Direction Last Segments**. Once all walk lines are selected release the Ctrl key.
4. The mobile piece(s) will move to the stationary line. Move the cursor along the stationary line to validate length. Additional right mouse button options are available to make modifications while walking.

Perimeter Line Example (Walk from Front/Shoulder/Back Armhole to Sleeve)

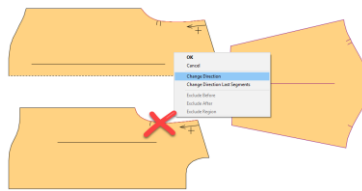
Original Selection

**Back Direction Incorrect*

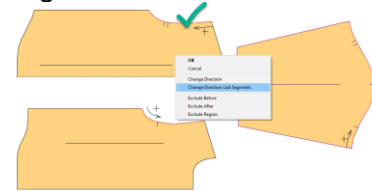


RMB Change Direction

**Front Direction Incorrect*



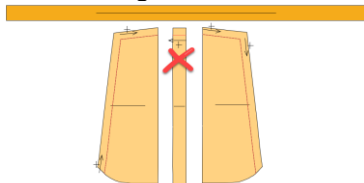
RMB Change Direction Last Segments



Internal Line Example (Walk Welt to Cushion)

Original Selection

**Middle Segment Incorrect*

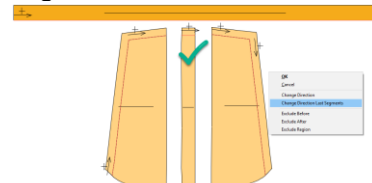


RMB Change Direction

** Middle Segment Incorrect*



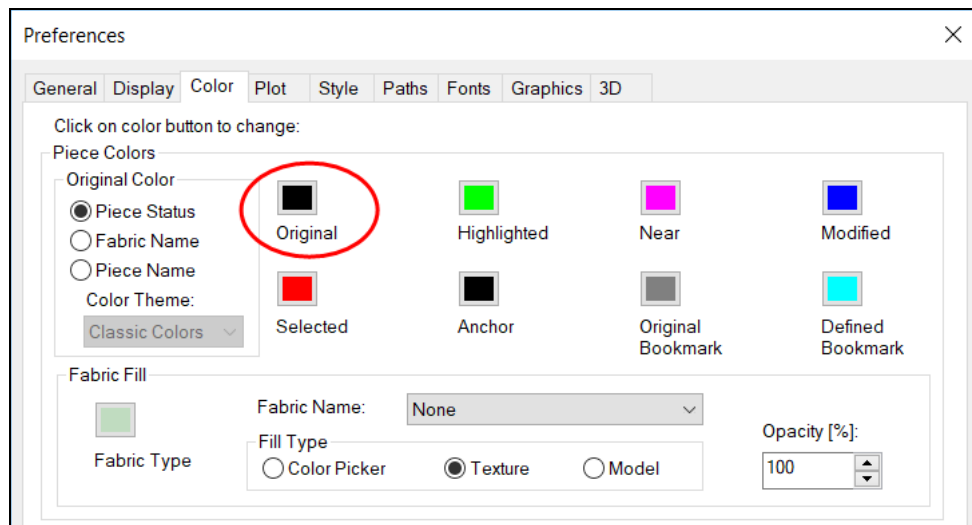
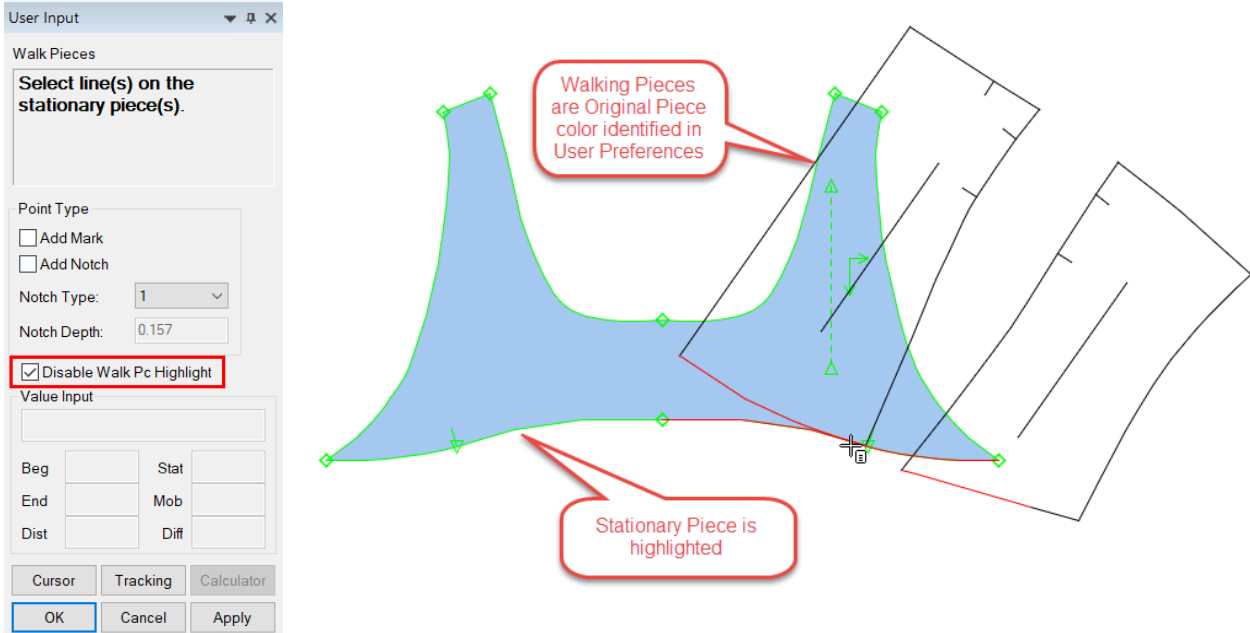
RMB Change Direction Last Segments



Note: Right mouse button option Exclude Regions does not support Change Direction Last Segments within a single line selection.

Walk Pieces Function Update

In v12.2 we added a check box to the Walk Pieces function that allows user to disable the highlighting of the walked piece. The stationary piece still remains highlighted during the walk function, but the mobile piece will retain the regular perimeter color indicated in the user preferences. This allows users to easily distinguish between the stationary and walking pieces.



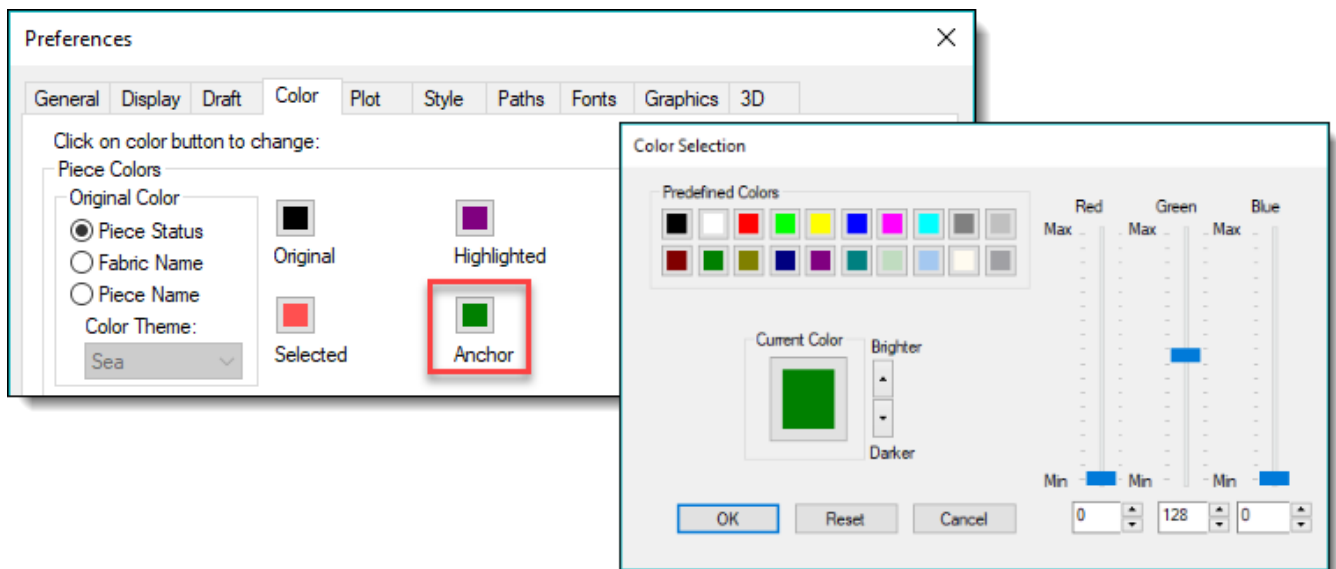
New Display Option for Anchored Pieces

Previously Anchored pieces could be defined and viewed using the function Modify – Anchor in the Piece Actions panel, but there was no permanent display to indicate anchored pieces vs unanchored pieces. An anchored piece is fixed in a defined space so that it cannot be accidentally repositioned.

Now there is an additional option to permanently indicate the anchor status of a piece by setting a unique color display within the Pattern Design preferences.

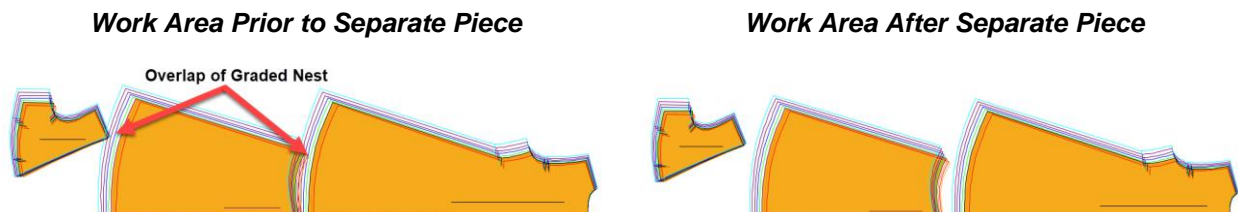
To set the display color for Anchored pieces:

1. From the **Edit** tab, select **Customize – Preferences**.
2. Then select the **Color** tab in the Preferences dialog.
3. Under the Piece Colors section, choose **Anchor**.
4. Select a predefined color or enter an RGB value and press **OK**. Remember to **Save** the changes so the color is referenced continually as Pattern Design is opened and closed.



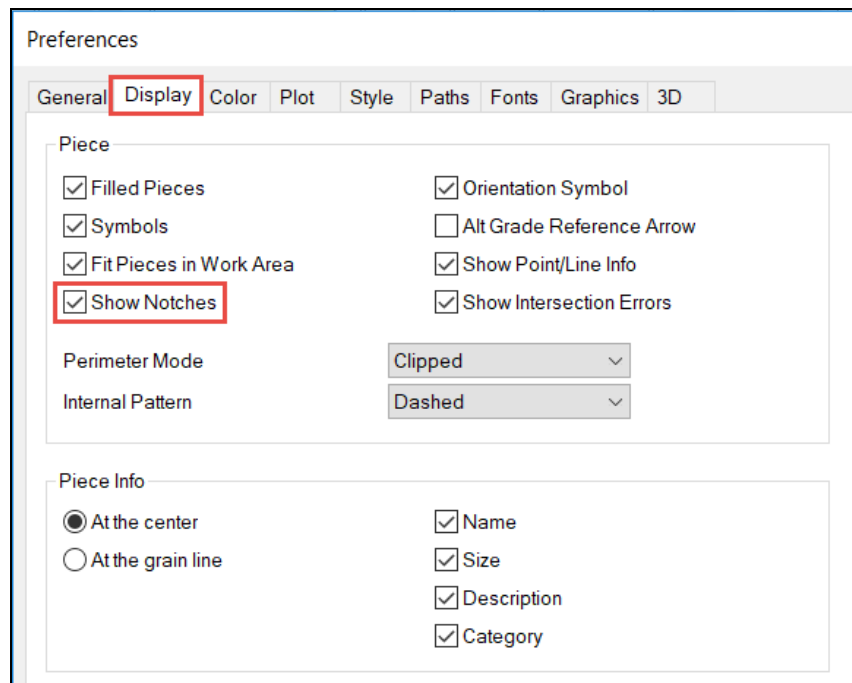
Piece Separation (F2) Supports Graded Nest Display

The Function Key F2, which is a defined hotkey for Separate Pieces, now supports pieces with displayed graded nests. When the graded nest is display, the system will locate the largest size in the graded nest and use that as the boundary when separating pieces. This saves time and avoids additional manually placement.



Show Notches in PDS

In v12.2 we added a checkbox in the Preferences to Show Notches in the Pattern Design work area. The box is checked by default so that users always see their notches in the work area. If the box is unchecked, the user will have the ability to hide their notches in the work area. This allows users to turn off the notch display if viewing pieces without notches is preferred.



AccuMark® Professional Edition What's New for AccuMark 12.1.0

Enhancements since 12.0

Version 12.1 System Requirements

AccuMark v12.1 can only be used on a computer system that has **Windows 10 – 64-bit** Operating System.

Please see the Release Notes for more information regarding systems supported with each AccuMark version.

Version 12.1 System Requirements – Supporting Software/Microsoft Office

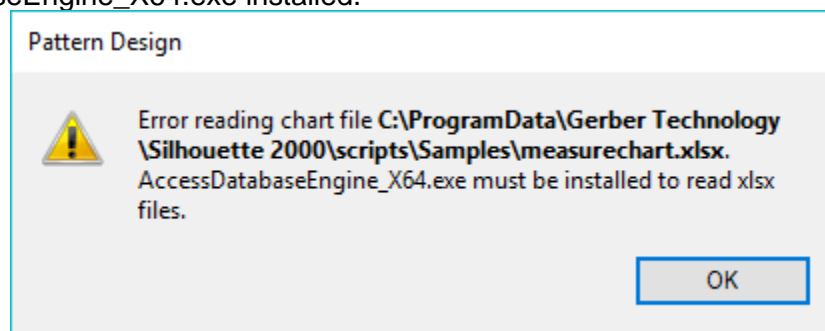
There are functionalities like the Pattern Wizard and Model Notes within AccuMark that can utilize Microsoft Office Word or Excel files. When linking to these file types in AccuMark 12.1 it is necessary to use **Microsoft Office 64-bit**.

For AccuMark 12.1.0 (64 bit)

- If no Office installed
 - Install AccessDataEngine_x64.exe (2016)
- If Office 2016/2019 (64 bit) installed
 - Still need to install AccessDataEngine_x64.exe (Microsoft change since Office 2016)
 - One action need to be taken before install AccessDataEngine. Go to the following website, follow the steps to delete "Click-n-Run"
 - https://answers.microsoft.com/en-us/msoffice/forum/msoffice_install-mso_win10/office-16-click-to-run-extensibility-component-64/e79ee5bd-f119-4808-9bb2-289dd815b76a
 - Then install AccessDataEngine_x64.exe

NOTE: Be very careful for the 32 bit or 64 bit installs. According to Microsoft, Office products 32 bit and 64 bit can NOT installed side by side!

If you try and run a script that utilizes a measure chart saved .xlsx format, the following message will display if MS Office is not 64-bit and does not have the AccessDatabaseEngine_X64.exe installed.



Version 12.1 Licensing

If you have a previous V10 key (or dongle) you can use that key for AccuMark Family V12.1 – you will just need to get your license updated for this V12.1 software version. Contact your local Service and Support team and they can easily get you updated per your entitlement and on your way to using all the new features and updates in the new software!

Previous What's New Documents

What's New documents for previous versions are now included in the documentation installation. You can access these through the AccuMark V12.1 icon on your desktop and from within AccuMark Explorer's View tab in the ribbon.

This will allow those of you who are updating from earlier versions to see the enhancements and new features that have been implemented since your last software update.

« Gerber Technology > Training Docs > AccuMark Documentation > Whats New Previous



- 📁 V8.0
- 📁 V8.1
- 📁 V8.2
- 📁 V8.3
- 📁 V8.4
- 📁 V8.5
- 📁 V9.0
- 📁 V10.0.0
- 📁 V10.0.1
- 📁 V10.0.2
- 📁 V10.1
- 📁 V10.2
- 📁 V10.3
- 📁 V10.4
- 📁 V11.0
- 📁 V12.0

Embedded 3D Simulation

3D Simulation has now been added to AccuMark PDS to make it easier than ever to simulate your 3D designs!

Start the simulation and watch the garment come together in right in Pattern Design.

Please reference the 3D What's New documentation to find out how to simulate your 3D designs in PDS.



To use the AccuMark 3D Simulation in PDS, you must have a license to run AccuMark 3D and the AccuMark 3D plug in software.

The downloadable zipped file for this additional software can be found on the tab located at the bottom of the page for the Main AccuMark v12.1.0 installation on the Software tab, shown below:

Download the zip file then extract all the folders and files first before initiating the installation. You must unzip before installing. Once unzipped, double-click on autorun.exe to start the installation process.

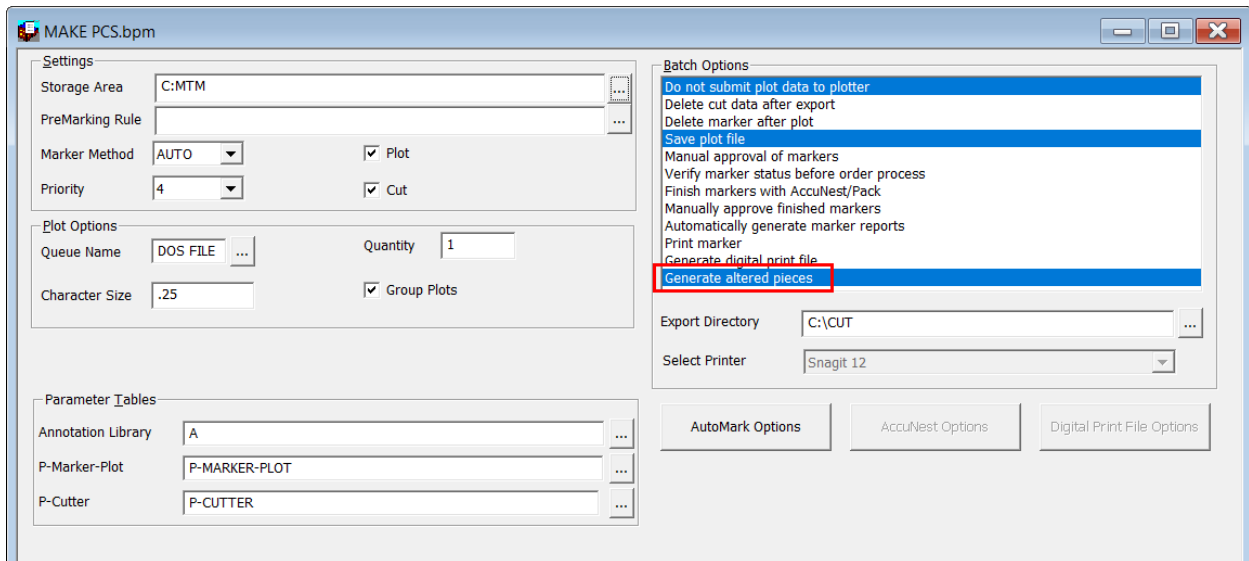
Related files:

Document
Software
Hot Fixes

Name	Language	Version	Size	Date
  AccuMark 3D Plugins (2.79b #28)	English	(2.79b #28)	151.3 MB	1/29/2019

Create Altered Pieces from MTM

In v12.1 we have added the ability to create altered pieces from MTM using the Batch Processing parameter table. The Batch table has been updated to have an additional Batch Option called “Generate Altered Pieces”. When this option is selected and the Batch table triggered in an MTM order, the pieces generated for the marker will also be stored as new pieces in the designated storage area. A model will also be generated for these newly created altered pieces.



The new pieces will be given names based on the order name, followed by the original piece name and the ordered size from the size code table.

TEST-MAKE PC3_AMS-BK-PLN_52TST	Piece
TEST-MAKE PC3_AMS-COL LIN-SP_52TST	Piece
TEST-MAKE PC3_AMS-COL STAY-SP_52TST	Piece
TEST-MAKE PC3_AMS-COL-SP_52TST	Piece
TEST-MAKE PC3_AMS-COLBND_52TST	Piece
TEST-MAKE PC3_AMS-CUFF-2BR_52TST	Piece
TEST-MAKE PC3_AMS-CUFFLIN-2BR_52TST	Piece
TEST-MAKE PC3_AMS-LTFRT_52TST	Piece
TEST-MAKE PC3_AMS-LRGSLVFAC_52TST	Piece
TEST-MAKE PC3_AMS-RTFRT_52TST	Piece
TEST-MAKE PC3_AMS-SDTAB_52TST	Piece
TEST-MAKE PC3_AMS-SLV_52TST	Piece
TEST-MAKE PC3_AMS-SMSLVFAC_52TST	Piece
TEST-MAKE PC3_AMS-YOKE_52TST	Piece

The new model name is based on the order name, followed by the original model name and the ordered size from the size code table.

TEST-MAKE PC2_TST SHIRT	Model
TEST-MAKE PC3_TST SHIRT_52TST	Model
TEST-MAKE PC_TST SHIRT_52SMITH	Model

The newly created pieces will not have any grading attached to them and will only have the newly created size as the size line.

Altered pieces can also be created from the order process without using MTM. If an order is created in AccuMark Explorer and sent to the Batch Processing table to be processed, the Batch table with the “Generate Altered Pieces” can be selected and altered pieces can be created along with the altered model.

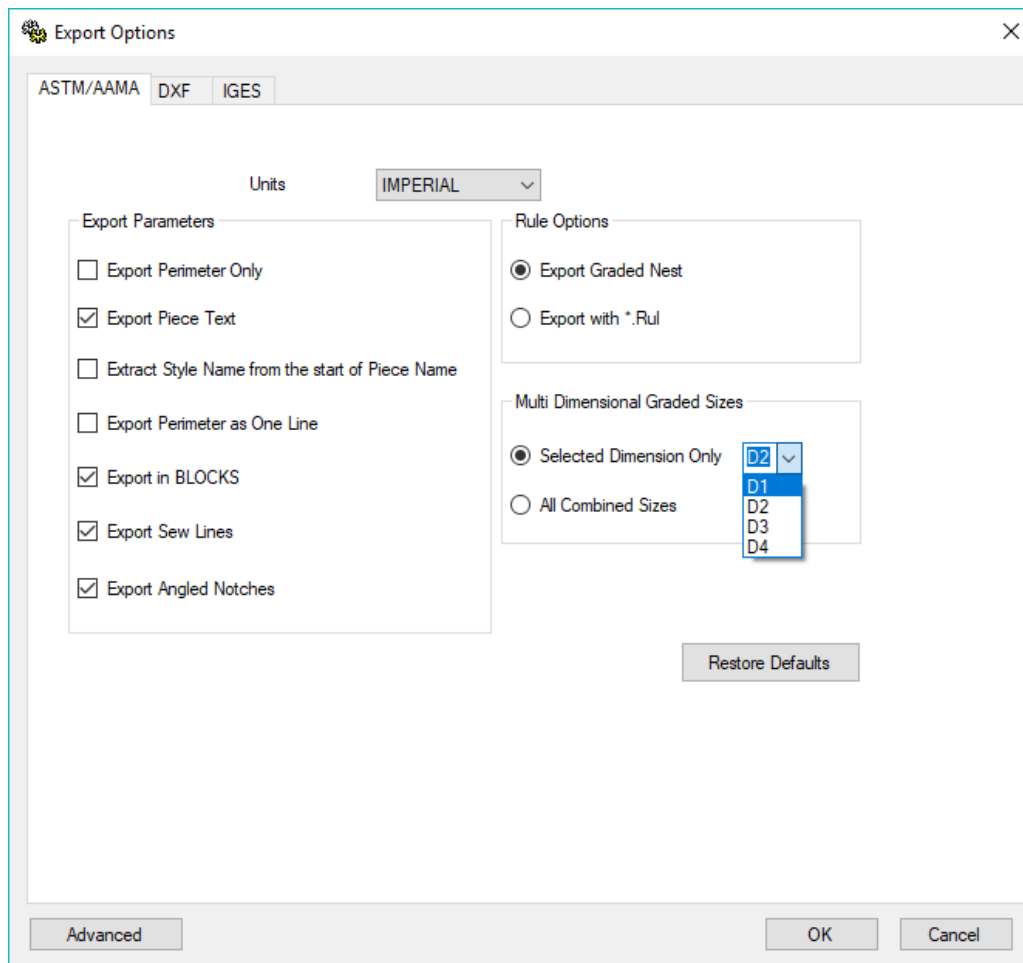
Please note that with AccuMark v12.1, MTM can only be run on a separate computer. Since MTM is still a 32-bit program, it cannot run on the same computer as the AccuMark v12.1 software.

ASTM/AAMA DXF Options to Select or Combine Multi-Dimensional Grade

Multi-Dimensional grade was introduced in AccuMark version 12.0. In the latest release, a feature has been added to the conversions options to define the grade dimension to export for ASTM/AAMA DXF files. The conversion options are located in the Data Conversion Utility in the View menu or within the Pattern Design export function under Options.

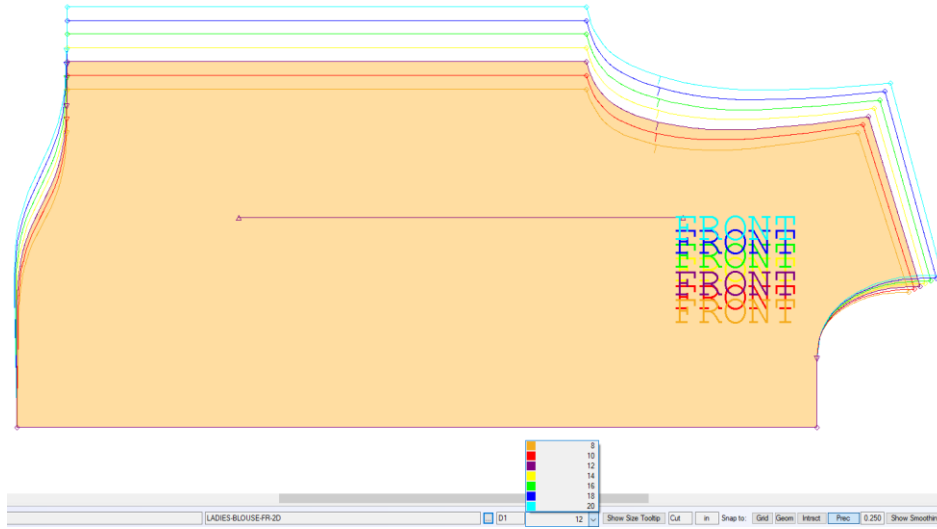
Only one grade dimension can be exported at any given time. To change the exported dimension, check Selected Dimension Only and define D1, D2, D3, or D4.

It is possible to select All Combined Sizes, and the system will merge all the grade dimension options together into one size line.

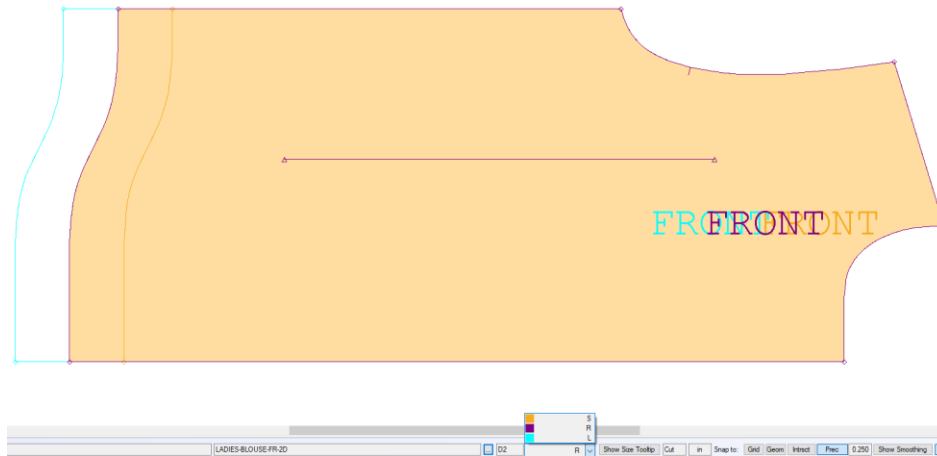


Below is an example of how the function would work. This model has 2 grade dimensions applied.

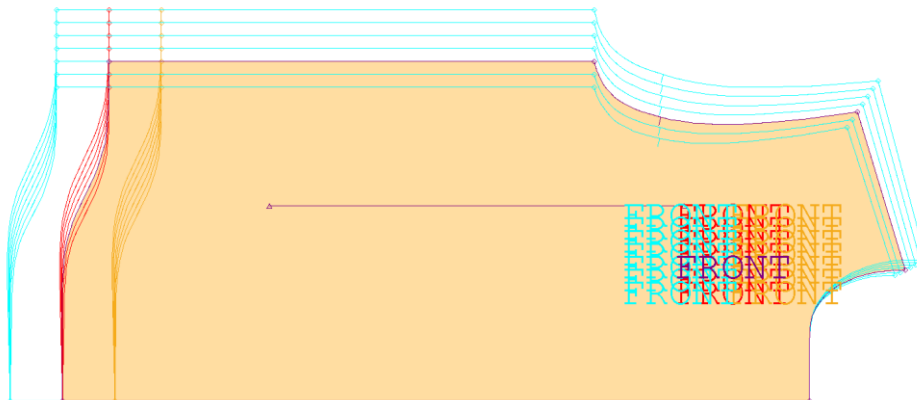
If D1 was selected, the following graded sizes would be exported (8, 10, 12, 14, 16, 18, 20).



If D2 was selected, the following graded sizes would be exported (S, R, L).



If Combine All Sizes was selected, the following graded sizes would be exported (8/S, 8/R, 8/L, 10/S, 10/R, 10/L, 12/S, 12/R, 12/L, 14/S, 14/R, 14/L, 16/S, 16/R, 16, 18/S, 18/R, 18/L, 20/S, 20/R, 20/L).



AccuMark & PLM Integration Updates

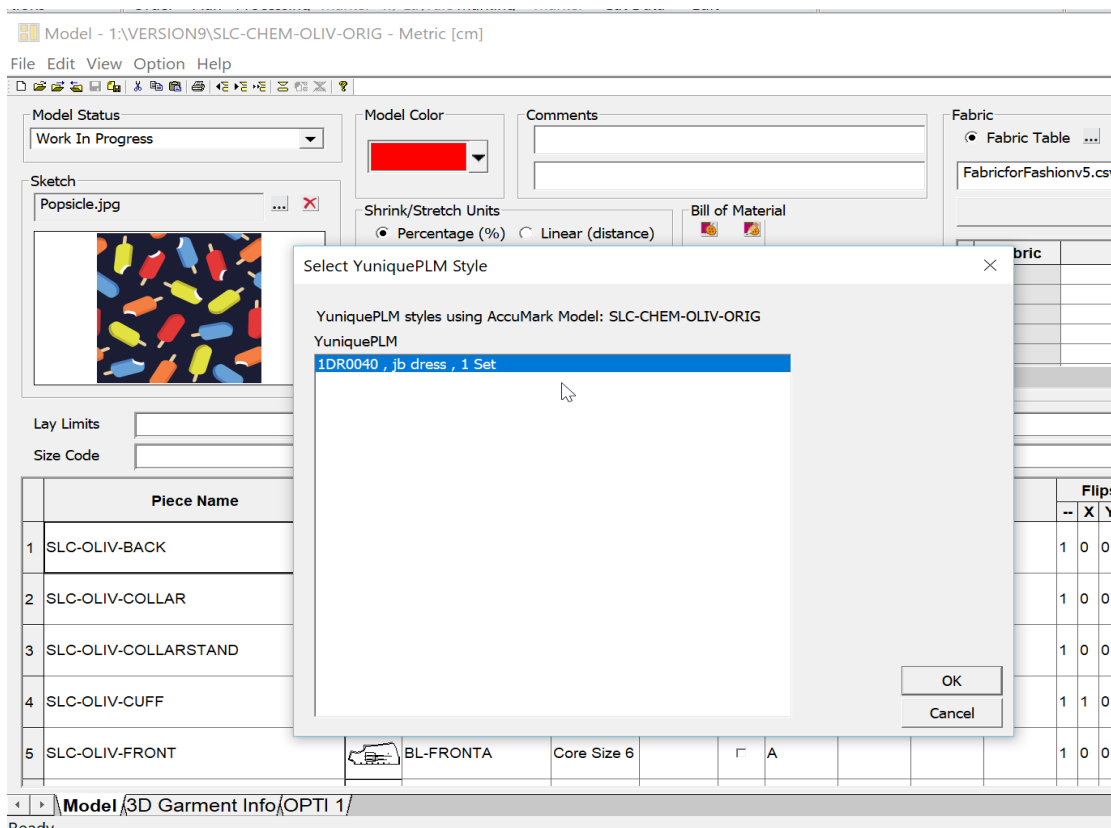
Thanks to feedback from our users, we have updated where you will be brought to when launching PLM from AccuMark Model or PDS helping you to get your work done more easily and efficiently.

Previously you would always be brought to the Edit Model page, which wouldn't give you the ability to go to other areas in PLM straightforwardly.

In V12.1 when you launch PLM, you will be brought to the Style-Model page giving you the ability to continue to the Edit Model page or select any of the other pages associated with the corresponding PLM Style.

After selecting Launch YuniquePLM from a Model or from PDS, you will still first be prompted with a dialog listing all the Styles that this model belongs to in PLM.

Pick the desired Style and then select OK:



Then in YuniquePLM you can click on the model and proceed to the Edit Model page as is the past:

Edit Model - Imperial

save close launch Model Editor launch Pattern Design

Description
 Linked to BodyFolder
 Model Name SLC-CHEM-OLIV-ORIG
 Location \\LTTOLEN1500-VERSION9
 Sample Size 6
 Linked
 # of Sizes 1
 # Materials 1
 # Pieces 10
 # Options 0

Comments

Last Modified By Sue Carrie
AM Last Modified By NA\sue.ca
AM Prev. Modified By NA\sue.ca
AM Created By Ashley.Ma
Last Modified Date 4/23/2015
AM Last Modified Date 4/23/2015
AM Prev. Modified Date 4/23/2015
AM Created Date 9/17/2016

Material Association

Name	Fabric Type	Piece Category	Description	Original	Flip X	Flip Y	Flip X,Y	Comments	Piece Area
<input type="checkbox"/> SLC-OLIV-BACK	A	BL-BACKA	Core Size 6	1	0	0	0		498.144
<input type="checkbox"/> SLC-OLIV-COLLAR	A	TOP COLLAR FALL	Core Size 6	1	0	0	0		50.915
<input type="checkbox"/> SLC-OLIV-COLLARSTAND	A	TOP COLLAR STAND	Core Size 6	1	0	0	0		26.177
<input type="checkbox"/> SLC-OLIV-CUFF	A	BL-CUFF	Core Size 6	1	1	0	0		27.556
<input type="checkbox"/> SLC-OLIV-FRONT	A	BL-FRONTA	Core Size 6	1	0	0	0		253.440
<input type="checkbox"/> SLC-OLIV-SLEEVE	A	BL-SLEEVE2	Core Size 6	1	1	0	0		270.662

Now you can click on any of the links from the tree on the left, giving you much more flexibility to work the way you like to!

The screenshot shows a software interface with a dark-themed navigation sidebar on the left and a main content area on the right. The sidebar contains the following items from top to bottom: '1DR0040', 'Variation 1' (with an upward arrow), a dropdown menu showing 'Winter 2019' (with a plus icon), 'Missy (XS - XL)' (with an upward arrow), 'Calendar', '1st Set' (with an upward arrow), 'Design Image' (with a refresh icon and a mouse cursor hovering over it), 'Text-Image' (with a text icon), 'Freelance Design' (with a text icon), 'Measurements' (with a text icon), 'Style-Model' (with a refresh icon and highlighted in light blue), and 'Style-Marker' (with a refresh icon). The main content area has a header 'Winter 2019 Style-Model' and a list of items, each with a refresh icon, a name, and a path: '- JACKET', 'JEAN' (path: \\NAGTSW2016SVR:HFTEST), 'MDOELA' (path: \\NAGUNDERWOOD10:DEST300), 'MODELT' (path: \\NAGUNDERWOOD10:DEST300), 'SLC-CHEM-OLIV-ORIG' (path: \\LTTOLEN1500:VERSION9), and 'SUE - JACKET' (path: \\NAGTSW2016SVR:HFTEST). Below the list, it says 'Created By: Janet Beau...'. At the bottom, there is a section titled 'Material Association' with a green upward arrow and a list of items, the first of which is '....'.

AccuMark® Professional Edition

What's New for AccuMark 12.0.0

Enhancements since 11.0
















Version 12 Licensing

If you have a previous V10 key (or dongle) you can use that key for AccuMark Family V12 – you will just need to get your license updated for this V12.0 software version. Contact your local Service and Support team and they can easily get you updated per your entitlement and on your way to using all the new features and updates in the new software!

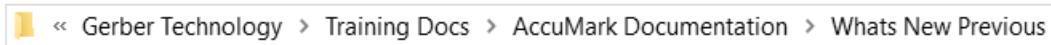
Previous What's New Documents

What's New documents for previous versions are now included in the documentation installation. You can access these through the AccuMark V12 icon on your desktop and from within AccuMark Explorer's View tab in the ribbon.



-  V8.0
-  V8.1
-  V8.2
-  V8.3
-  V8.4
-  V8.5
-  V9.0
-  V10.0.0
-  V10.0.1
-  V10.0.2
-  V10.1
-  V10.2
-  V10.3
-  V10.4
-  V11.0

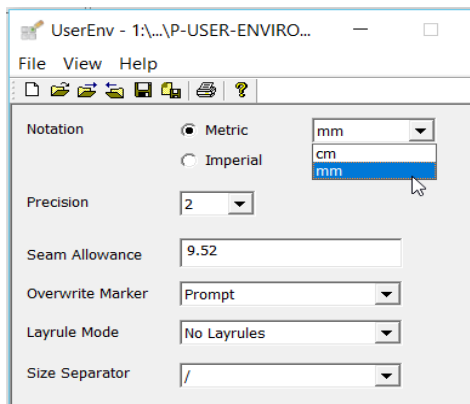
This will allow those of you who are updating from earlier versions to see the enhancements and new features that have been implemented since your last software update.



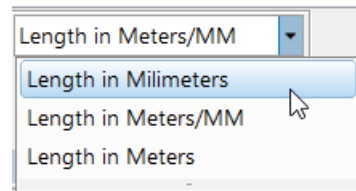
Millimeters everywhere!

We have added greater measurement abilities throughout all of AccuMark starting with the User Environment Parameter Table. You'll see a new drop-down choice while in Metric called "mm" for millimeters.

This unit displays in title of forms and wherever values are shown in the forms, processes, and reports.



Selectable for Reports:



New Model Status Field

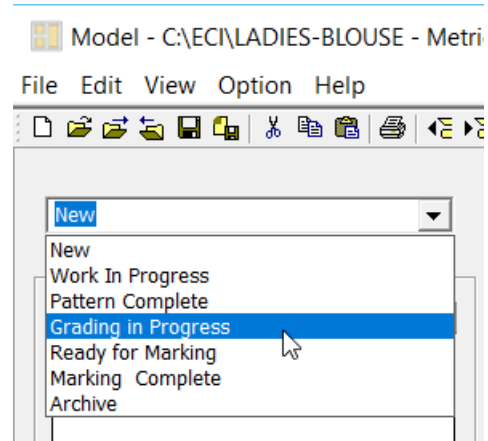
Models have been updated to contain a Status Field. The status is selectable in the model editor.

Use the status to set the stage that the model is currently in from the options that are available through the dropdown.

Pattern and marker makers can easily know the current stage the model and its pieces are in.

The new Status is only valid in Professional Edition, so it is grayed out for the AccuMark Advanced Edition.

Status is only valid for data in version 9 storage areas and is grayed out for in version 8 storage areas. The model can be stored in either userroot or SQL version 9 storage areas.



The status will be printed when using the Model Grid print options and shown in the print preview.

The status will be shown in the AccuMark Explorer's Status column for models. This is similar to the marker status that is also shown in this column.

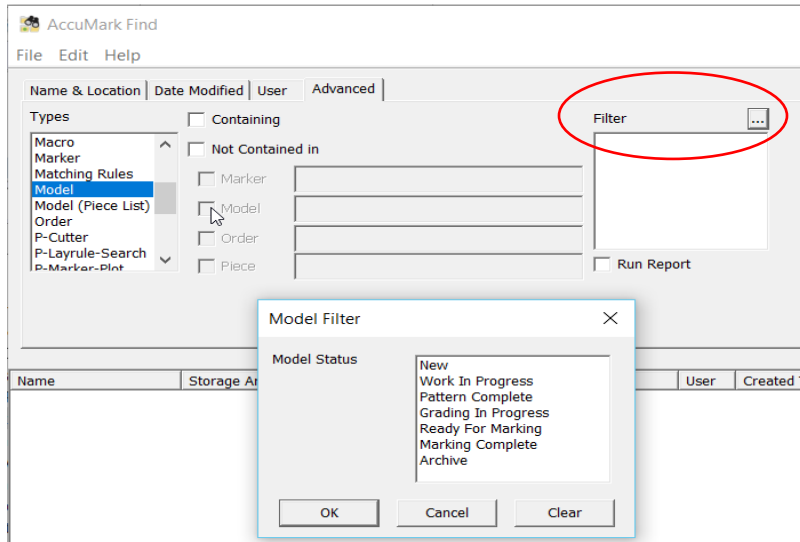
Name	Type	Last Modified	User	Status
A	Annotation	6/11/2018 12:55:48 ...	sue.carrier	
L	Lay Limits	6/11/2018 12:55:48 ...	sue.carrier	
COSTORDER	Order	6/11/2018 12:55:48 ...	sue.carrier	
P-CUTTER	P-Cutter	6/11/2018 12:55:48 ...	sue.carrier	
P-LAYRULE-SRCH	P-Layrule-Search	6/11/2018 12:55:48 ...	sue.carrier	
P-MARKER-PLOT	P-Marker-Plot	6/11/2018 12:55:48 ...	sue.carrier	
P-NOTCH	P-Notch	6/11/2018 12:55:48 ...	sue.carrier	
P-PIECE-PLOT	P-Piece-Plot	6/11/2018 12:55:48 ...	sue.carrier	
P-USER-ENVIRON	P-User-Environ	6/11/2018 12:55:48 ...	sue.carrier	
LADIES-BLOUSE	Model	6/1/2018 4:40:08 PM	Amy.Masse	New
LADIES-BLOUSE-BK	Piece	6/1/2018 4:40:08 PM	Amy.Masse	
LADIES-BLOUSE-SL	Piece	6/1/2018 4:40:08 PM	Amy.Masse	
LADIES-BLOUSE-COL	Piece	6/1/2018 4:40:07 PM	Amy.Masse	
LADIES-BLOUSE-CUFF	Piece	6/1/2018 4:40:07 PM	Amy.Masse	
LADIES-BLOUSE-FR	Piece	6/1/2018 4:40:07 PM	Amy.Masse	

The Status will be removed when Exporting V9 Models / Pieces to V8 and the user will be informed thusly in the results window as well as written into the Export Log.

AccuMark Find has been enhanced to also show the model status in its results window. We are working on the ability to use Find to locate models with a specific status in an upcoming release. This will be similar in effect to the way you can search for markers based on a specific status.

Find: Model Status

You can use Find to search for model(s) with a specific status. On the Advanced tab, select the model data type, then click on the ... lookup button in the Filter and you will be presented with a dialog that contains the list of model statuses to search for:



The user can then select any / all of the models listed in the results window and right-click to perform further actions. You can optionally check-on the “Run Report” function and it will automatically execute the model report.

Model: Piece Comments

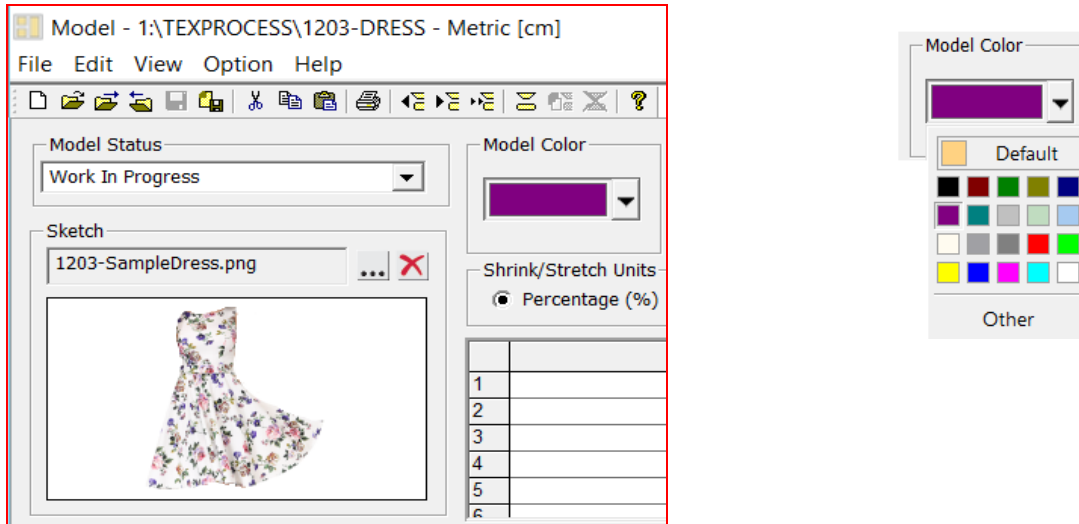
The model editor has been updated to have the new piece comment in its own column. Previously it was only visible as a tooltip when you hovered over the piece name. The small-red-triangle will still display on the lower right corner to indicate a comment is present. This is a nice feature if the user decides to hide the comment column.

	Piece Name	Piece Image	Piece Category	Piece Description	Comment	Pas
1	LADIES-BLOUSE-BK		BACK	CUT1	check alignment	<input type="checkbox"/>
2	LADIES-BLOUSE-COL		COLLAR	CUT2	may substitute collar	<input type="checkbox"/>
3	LADIES-BLOUSE-CUFF		CUFF	CUT2	exchange colors	<input type="checkbox"/>
						<input type="checkbox"/>

Model Colors

Models now have their own selectable colors. Use the colors to easily identify individual colors per model or for a set of models. Then, when in Easy Marking you can easily identify the pieces that belong to a particular model.

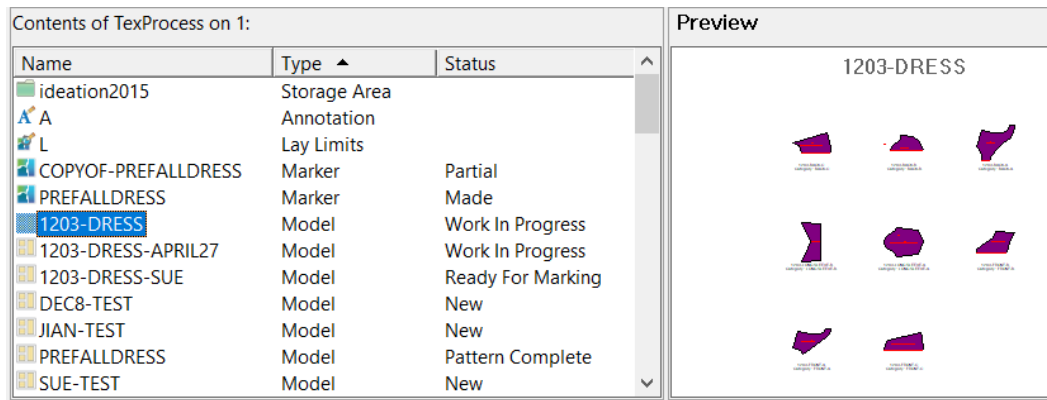
You are presented with a drop down that will display a grid of selectable colors:



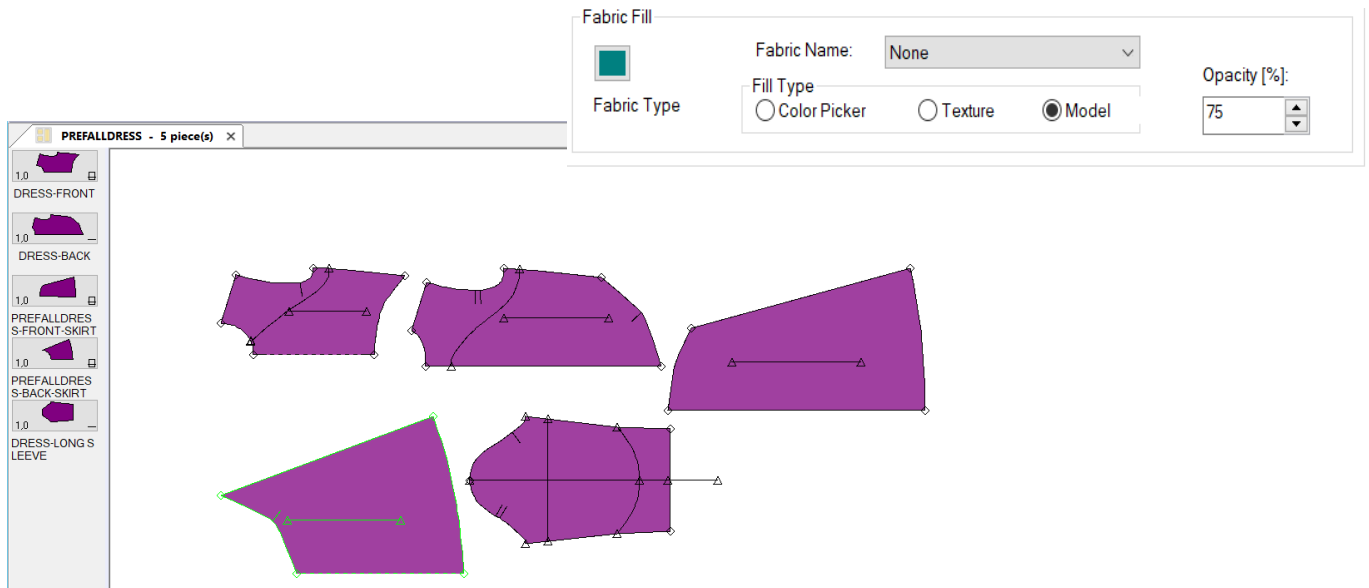
In AccuMark Explorer, when "Fill Area" is selected in the Preferences and there's a color defined for the Model, then it will use that color for the pieces being displayed.

If no color is assigned in the model, then it will work as it does in V11.0 where it will show the color as defined in PDS.

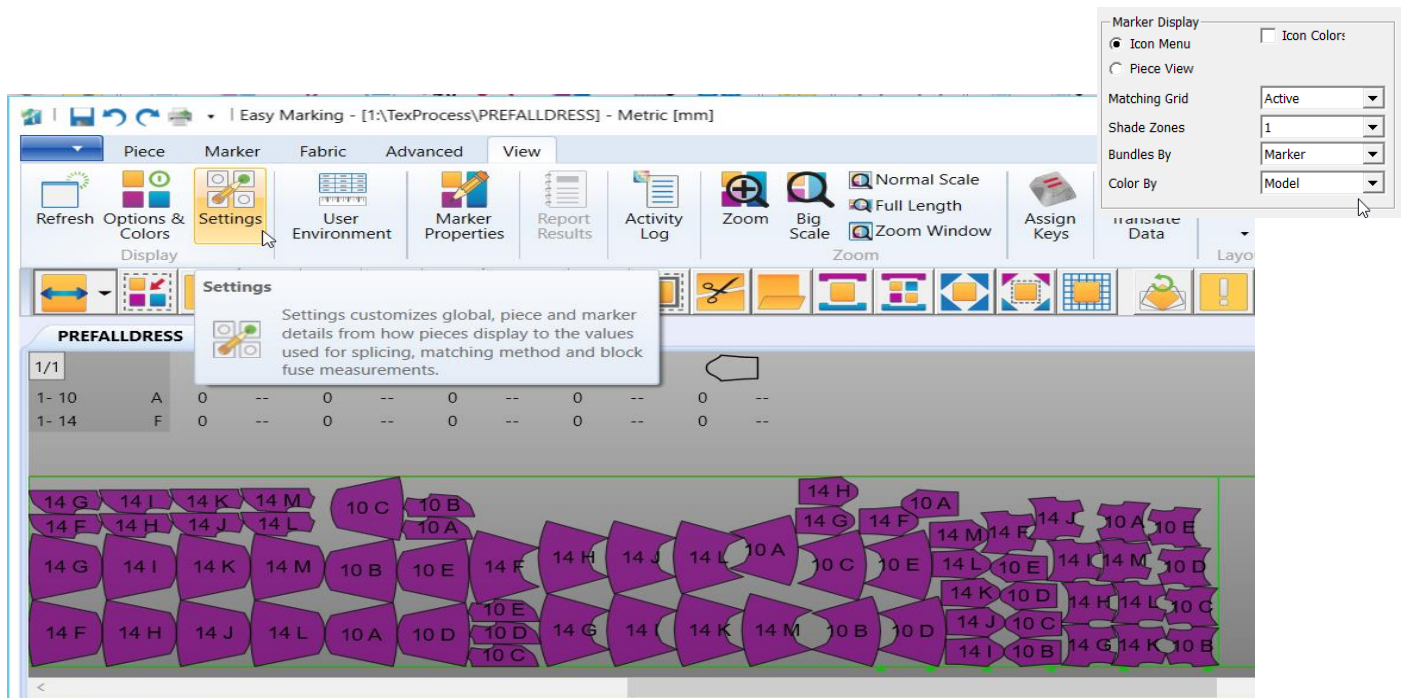
We also provided a default color reset button which will use the black color



In PDS, you can also choose to use the model color. Select this option in Edit, Customize, Preferences, then on the Color tab, select the Model button:



In Easy Marking, optionally choose to use the model color here. Go to View, Settings, and in the Marker Display section, select the Color By drop down and then the Model option:

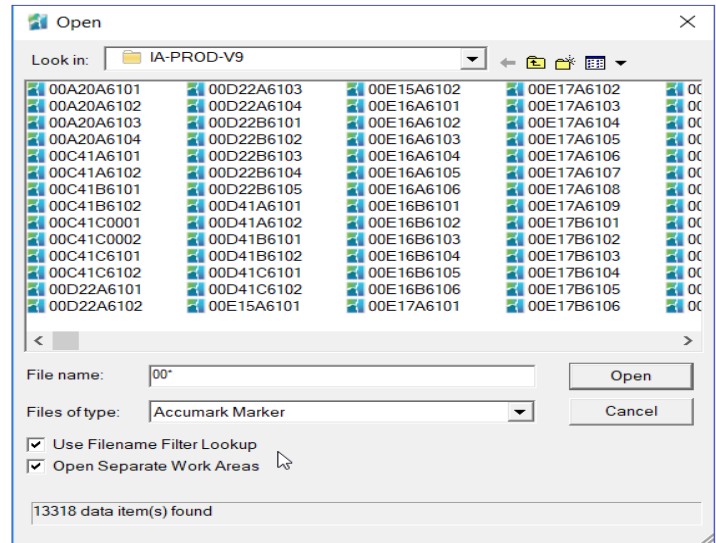


Open Dialogs: Filename Filter Lookup

Per your requests, we have added the file name filter lookup textbox back into the file dialogs in AccuMark.

The filter provides you with the ability to enter in data name search criteria including wildcards, which will remain sticky.

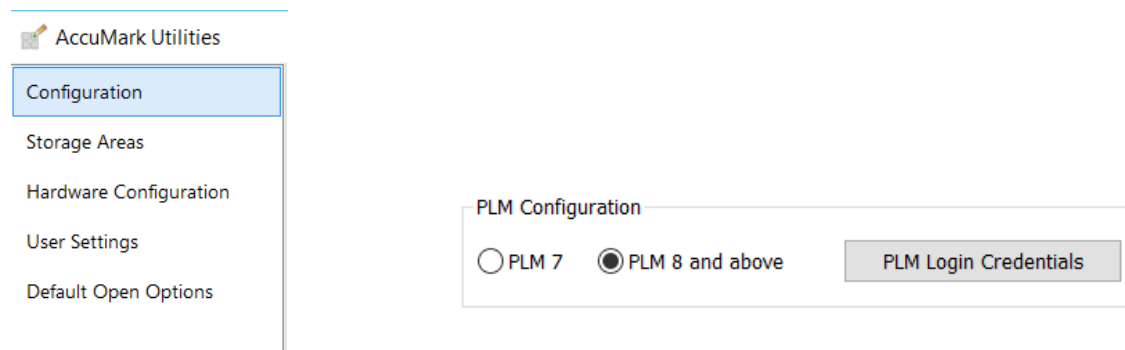
The filter delivers a faster way to retrieve the desired list of data items that you would like to work on, saving you time when searching through storage areas with many data items.



Yunique PLM V8 integration

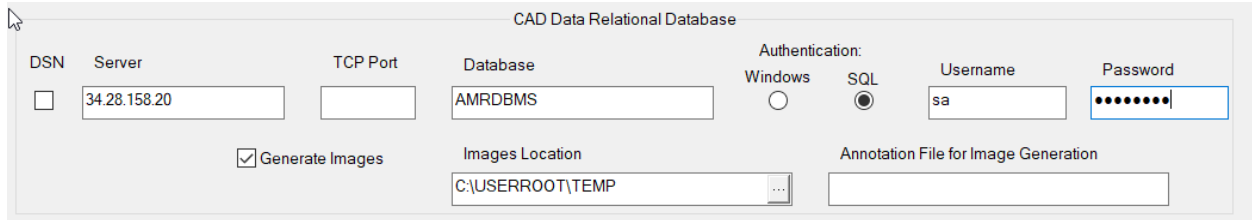
AccuMark V12 supports connections to Yunique PLM V7 and V8. YPLM V7 still uses the CAD Relational Database to retrieve marker, model and their piece statistics from AccuMark. YPLM V8 now uses APIs to retrieve that statistical information.

In AccuMark Explorer's File – Options, in the Configuration section you will specify which version of Yunique PLM you will be connecting to.

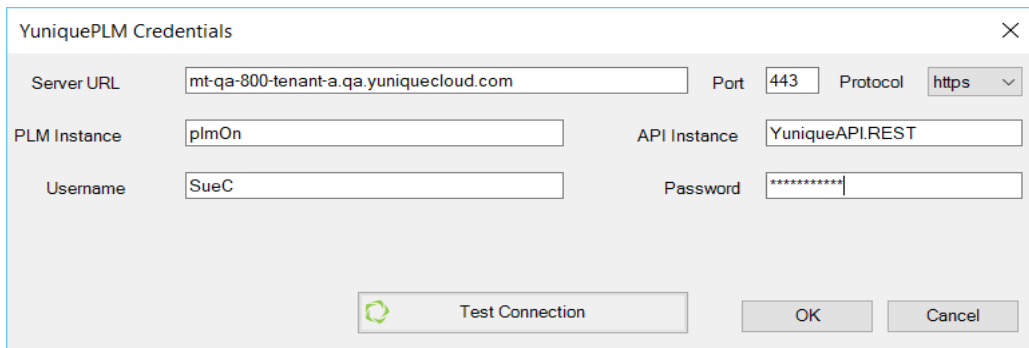


Use the PLM Login Credentials to setup your connection to Yunique PLM to retrieve PLM Materials and Images.

When connecting to **YPLM V7**, you will still fill out the information in the SQL Support dialog as you have done in the past, identifying the PLM Server connection and database to use, as well as your login credentials, for example:



When connecting to **YPLM V8**, you only need to configure the PLM Login Credentials to integrate for the retrieval of YPLM Materials and Images, as well as sharing AccuMark marker, model and their piece statistical information to YPLM.



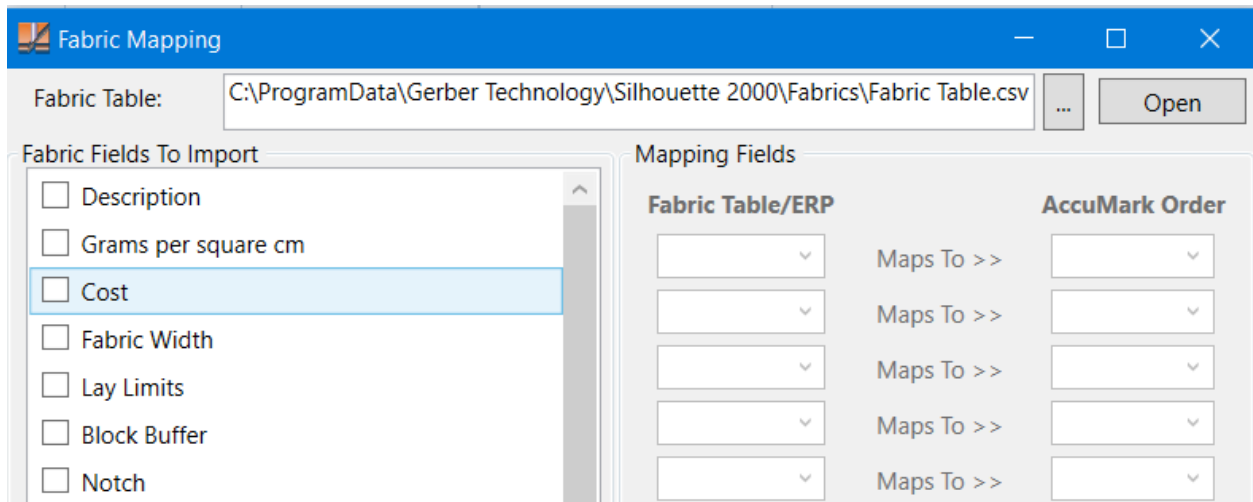
Easy Order Improvements

Automation using Easy Order has been further enhanced, building on features first introduced in AccuMark version 11.0 for automation improvements.

Fabric Mapping Fields

Column headers were added to the Fabric Mapping form to allow users to identify fields from an ERP system that will be transferred to an AccuMark marker order.

The headers illustrate the information from the Fabric Table that will be entered into the AccuMark order and which AccuMark order field to use for these values.



Fabric Fields To Import	
<input type="checkbox"/>	Description
<input type="checkbox"/>	Grams per square cm
<input checked="" type="checkbox"/>	Cost
<input type="checkbox"/>	Fabric Width
<input type="checkbox"/>	Lay Limits
<input type="checkbox"/>	Block Buffer
<input type="checkbox"/>	Notch

Mapping Fields		
Fabric Table/ERP		AccuMark Order
<input type="text"/>	Maps To >>	<input type="text"/>
<input type="text"/>	Maps To >>	<input type="text"/>
<input type="text"/>	Maps To >>	<input type="text"/>
<input type="text"/>	Maps To >>	<input type="text"/>
<input type="text"/>	Maps To >>	<input type="text"/>

Introduction of QR Codes

A QR code, an abbreviation for "quick response" code is a type of barcode that contains a matrix of dots. Once scanned, software on the device converts the dots within the code into numbers or a string of characters.



QR codes have two significant benefits over traditional barcodes.

- ❖ Can contain significantly more data than a one-dimensional barcode
- ❖ Can be scanned from a screen display

A QR code can now be created for plotting, and plotted on the marker border or inside individual pieces.

Note: The plotter hardware must be able to support the plotting of this new format, such as the MP series with the latest version of firmware.

Older plotters, especially pen plotters, are unable to plot this new feature.

Defining a QR code in the Annotation Editor

The QR code is defined in the Annotation Editor in much the same way as a Barcode was defined in previous versions of software. The code to specify a QR code is "QR" with the type defined by a number.

The format for a QR code identifier is: [QRYY,annotation,annotation,]

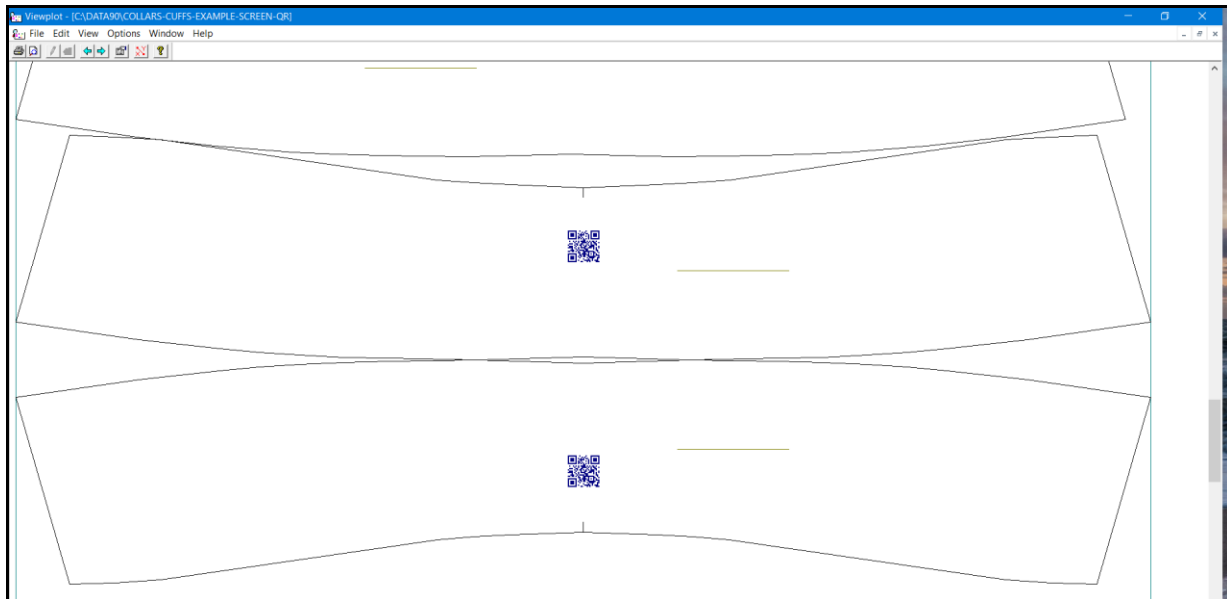
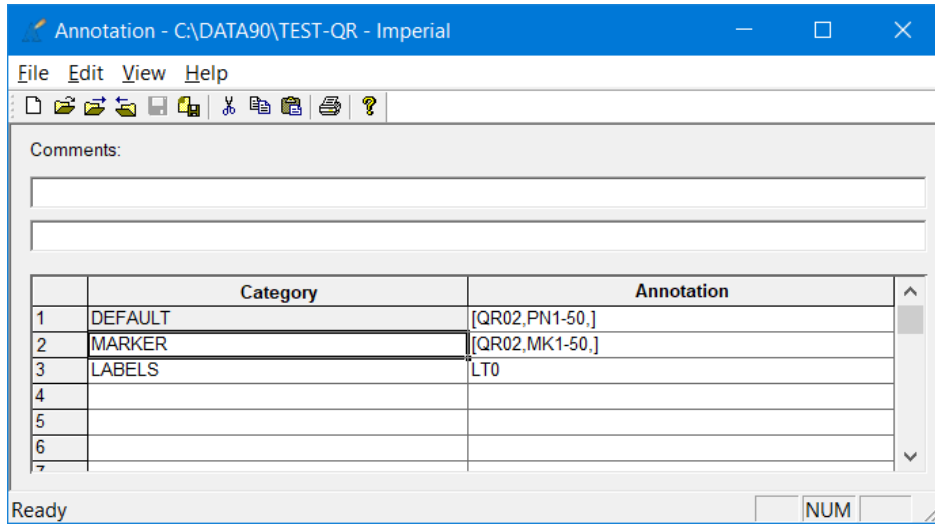
where the YY is 02, 06, or 10 for version 2, 6, or 10 followed by the annotation to be transformed to the code, each separated by a comma.

For example, in the Annotation Editor:

DEFAULT = PN1-20,SZ1-6,/, [QR10,PN1-50,] would plot the piece name on each piece as a QR code type 10.

MARKER = MSQ,/,AP,/,WI,L,U,PS,/, [QR10,MSQ,] would plot the Model, Size, and Quantity in the Marker Border as a QR code type 10.

Another example would be to plot the piece name on each piece and the marker name along the border, as shown below in this example, with a QR code defined as version 02.

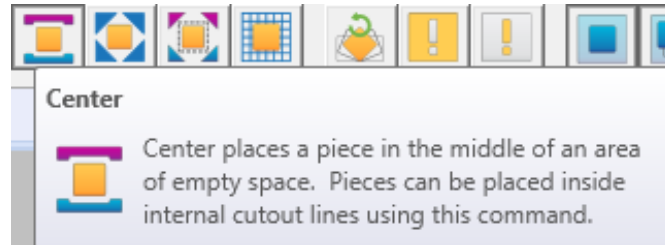


Easy Marking Improvements

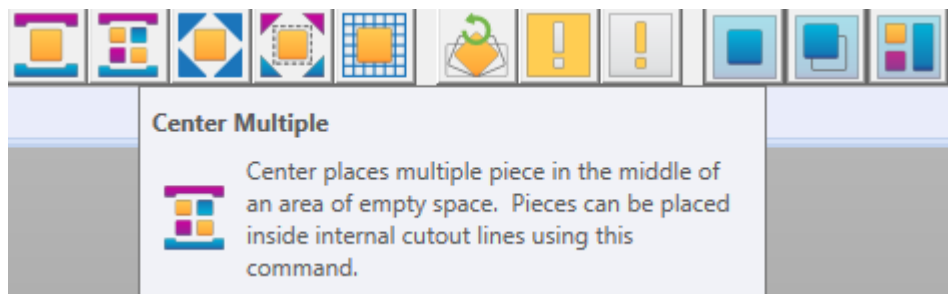
AccuMark Easy Marking is continuing to improve by providing more productivity tools.

Centering Multiple Pieces

In prior software versions, the toolbox function “Center” allowed users to Center single pieces or groups of pieces as one unit. This feature is found in the Easy Marking toolbox.

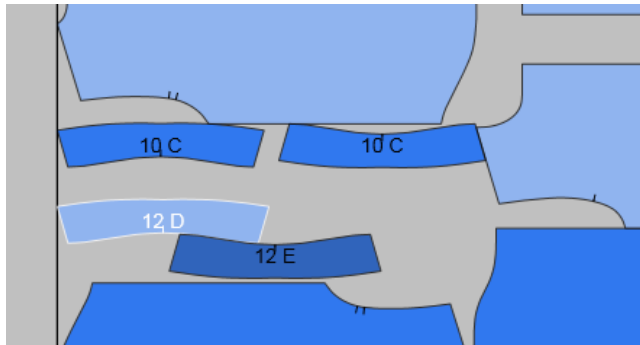


A new function “Center Multiple” has been added to the Toolbox, which works in a different way for a group of pieces. Now, if you are in the Center Multiple mode, hold down right mouse button to create a selecting area.

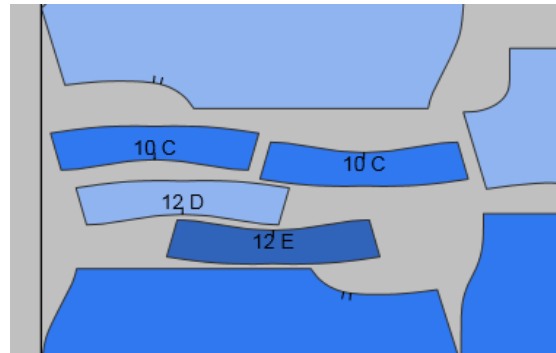


A box will be drawn around the pieces, and when you release the button, all pieces in that selection area will be centered. This is useful especially when creating a marker to be sent to an automatic cutter to take full advantage of the open area.

BEFORE



AFTER



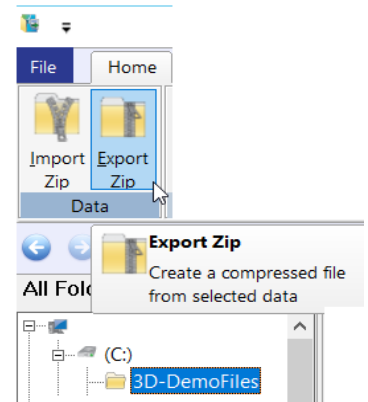
AccuMark Explorer

Export Zip Enhancements

Buttons for Import Zip and Export Zip were added into the AccuMark Explorer's Home tab in V11.0.0.

We have continued to implement additional export capabilities around storage areas and subfolders and the naming of the corresponding zip file names.

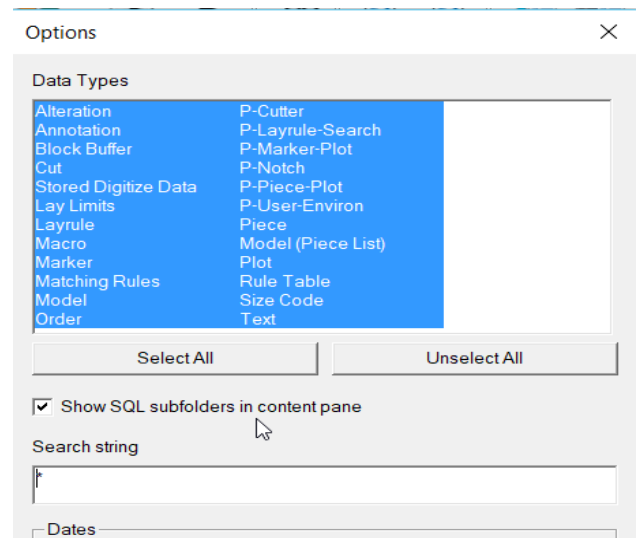
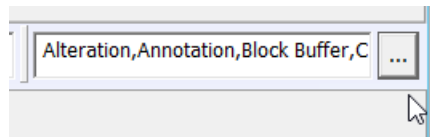
Now you have multiple ways to export storage area(s) and subfolders, depending on the location(s) you have highlighted.



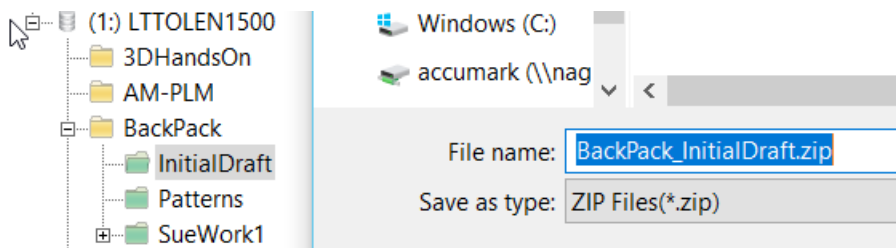
When exporting a SQL storage area that contains subfolders, you can choose whether or not to include its subfolders.

To include SQL storage area subfolders, be sure to have the "Show SQL subfolders in content pane" checked-on. This option appears when using the 3-dot lookup button for the data type filter in AccuMark Explorer.

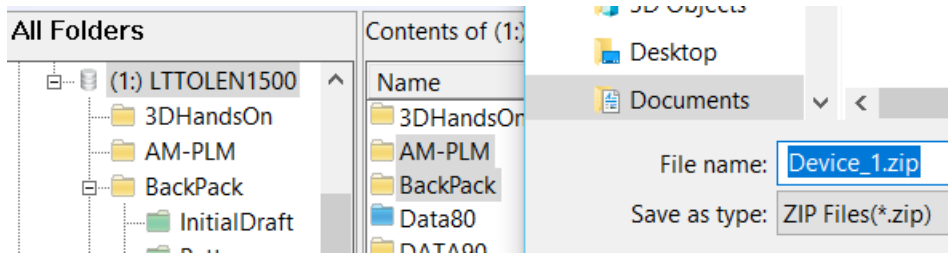
If this option is not checked-on, then the subfolders will not be exported.



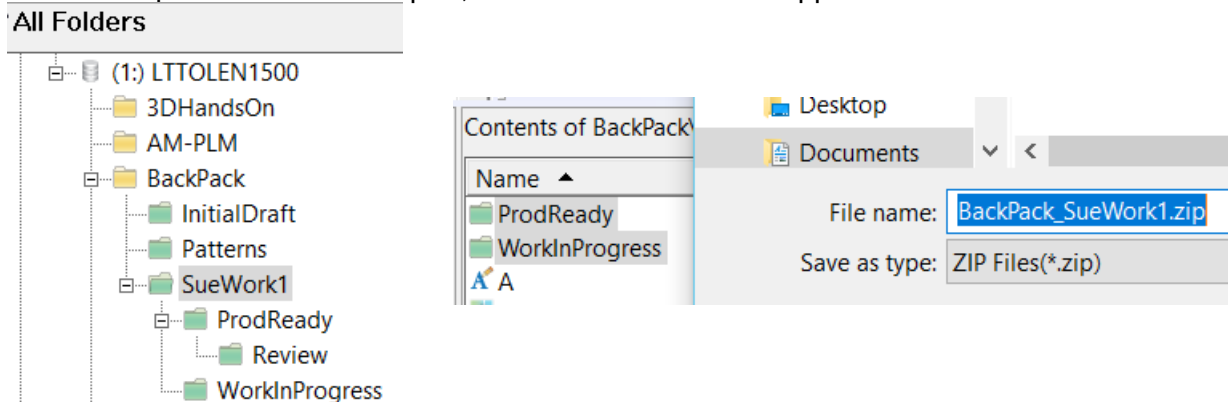
If you choose one storage area for export, the default file name is the storage area name. When exporting a single subfolder, the zip file name will be the storage area and subfolder name:



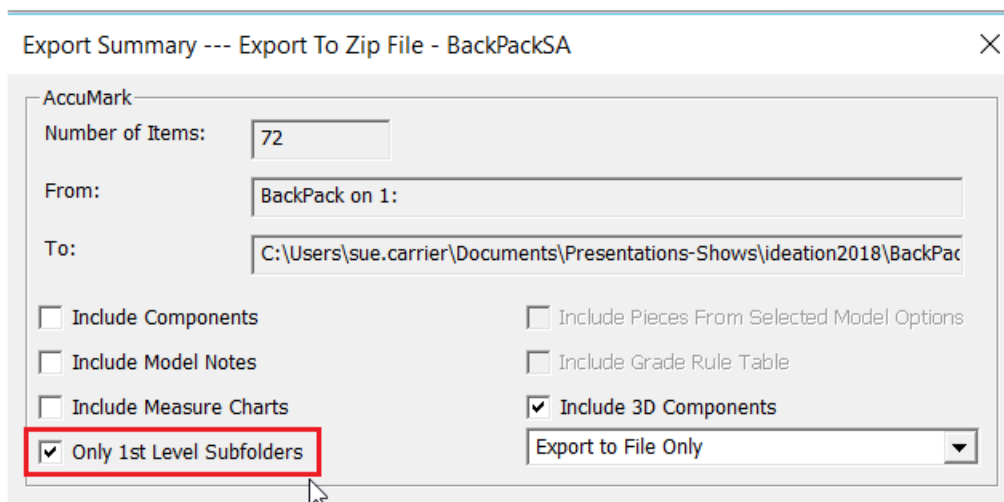
When you choose multiple storage areas to export, the default name is derived from the drive or device name (i.e. Device_1.zip):



If you choose multiple subfolders to export, the default name is the upper level folder name:



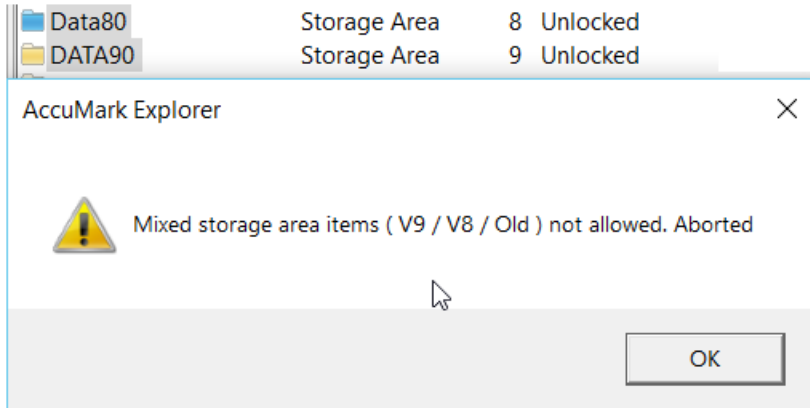
Some users wished to only export the storage area and the very first subfolder, and not have all the subsequent subfolders included in the zip file. For this the option “Only 1st Level Subfolders” checkbox selection was added:



When importing the exported SQL storage areas with subfolders into userroot storage areas, all data would be imported including data in subfolder into the single userroot storage area.

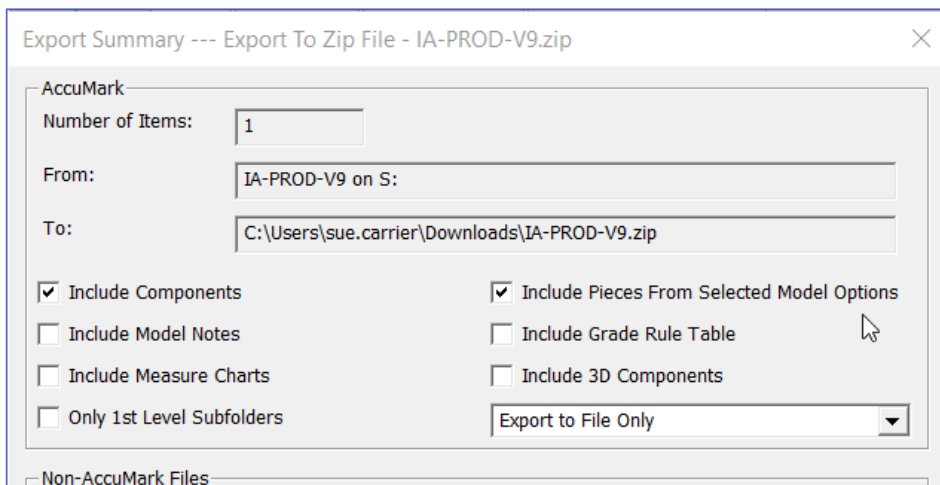
When you're importing the exported storage areas and subfolders into SQL storage area, it maintains the subfolder structures.

Checks have been added to validate that you are only exporting storage areas and data that have the same version (mixed versions of data are not allowed in the same zip file). Users are presented with informational dialogs when trying to export mixed versions of data.

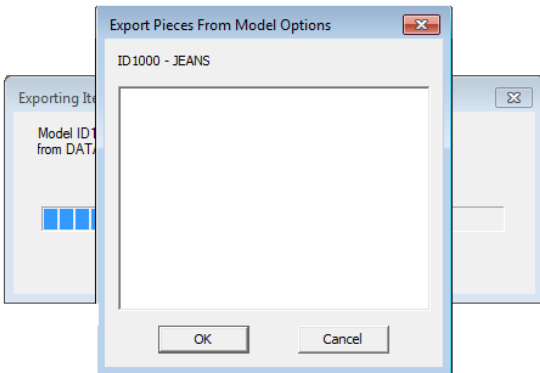


In Export Zip, you can optionally select to include Model Options. Previously when exporting models that did not have any options, a blank dialog would display.

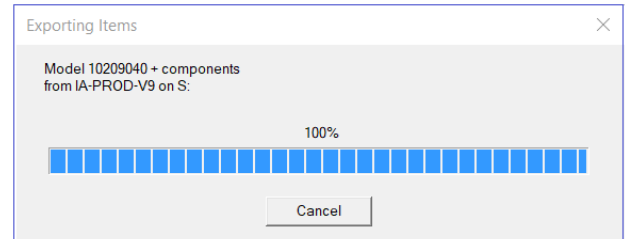
We have updated the export zip functionality to only display the model options dialog when the model actually has options, causing less confusion and saving you time through less confirmation clicks.



Before:
displays



After: no blank dialog

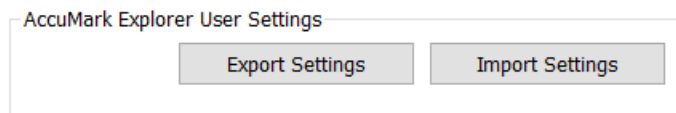
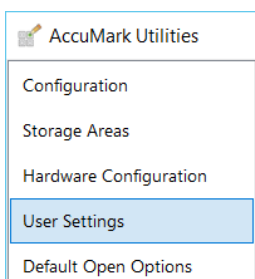


User Settings enhancements

In addition to being able to export and import PDS and Easy Marking user settings, you now have the ability to export and import AccuMark Explorer's user settings. Your customizations!

Configure AccuMark Explorer to the way you like it, and export to save those settings, then import to restore saved settings.

This can be especially handy for bringing your preferences with you when you work on multiple computers, have a backup of your settings should your computer crash or you get a new one, or to setup a new user to have similar settings. Be sure to save a backup copy.



Set a default fabric table

A new option that easily allows the user to set which fabric table they would like to use when creating new models has been added into User Settings as well. Pick a fabric table to use as your default one when you create new models in any of your storage areas. You can still choose an alternate fabric table when needed.



Check V9 Storage Areas – more information is presented

Checkfiles will list more information when performing checks on version 9 storage areas. Users have asked for more output so they can see what is being analyzed. Use the “Logfile” option in the check storage area application and the information that is verified will be listed.

For example:

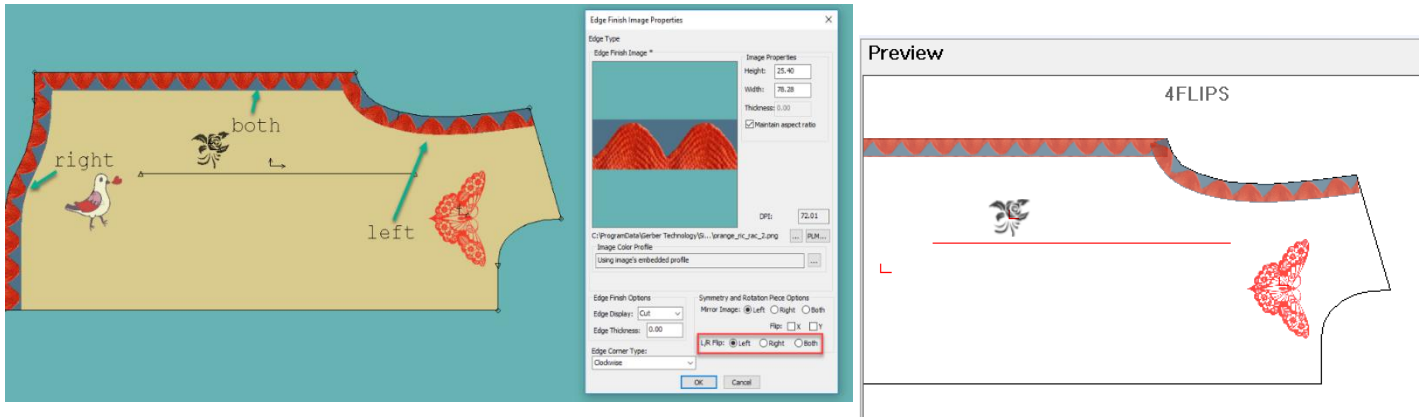
```

Checking: C:DATA90
Storage area found: C:\userroot\storage\DATA90
C:\userroot\storage\DATA90 is a v9 Storage area.
Checking required parameter tables....
Checking parameter table for: A
Parameter table does not exist.
Creating default table: A
Parameter table repaired.
Checking parameter table for: COSTORDER
Success: Parameter table found.
Checking parameter table for: L
Success: Parameter table found.
Checking parameter table for: P-CUTTER
Success: Parameter table found.
Checking parameter table for: P-LAYRULE-SRCH
Success: Parameter table found.
Checking parameter table for: P-MARKER-PLOT
Success: Parameter table found.
Checking parameter table for: P-NOTCH
Success: Parameter table found.
Checking parameter table for: P-PIECE-PLOT
Success: Parameter table found.
Checking parameter table for: P-PLOTTER
Success: Parameter table found.
Checking parameter table for: P-USER-ENVIRON
Success: Parameter table found.

```


Preview Pane – Label and Edge Finish for Images!

When using the AccuMark Explorer’s Preview Pane, and the option “Display Images” on for Models or Pieces, you will now see label and edge finishes on the pieces.



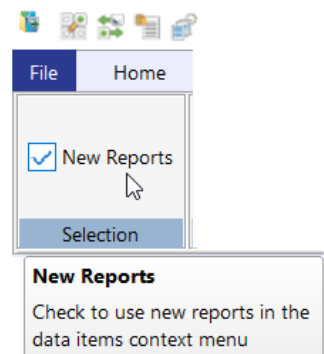
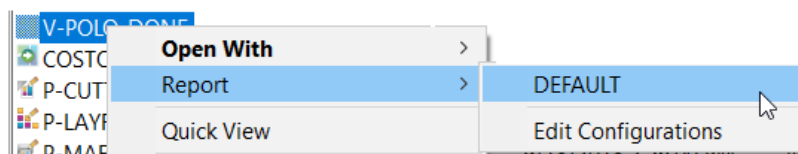
Setup in PDS and then check it out in AccuMark Explorer.

NEW Report UI and Configuration

We have implemented the ability to create customized reports along with a new and exciting user interface. You still have access to the original report methods including the “Internal Application” (AccuMark format) and “Registered Format” (Excel format). Take a look, try it out, and let us know what you think!

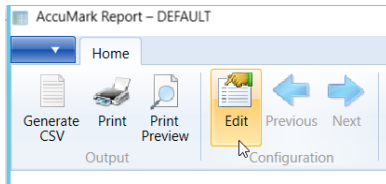
In AccuMark Explorer, Reports tab there is a new option called “New Reports”. When this is checked-on you will be able to use the new reports and customize what you would like to see. The customization allows you to pick information from different existing reports for that data type.

When you right-click on a data item that has reporting capabilities, you will be presented with these options:

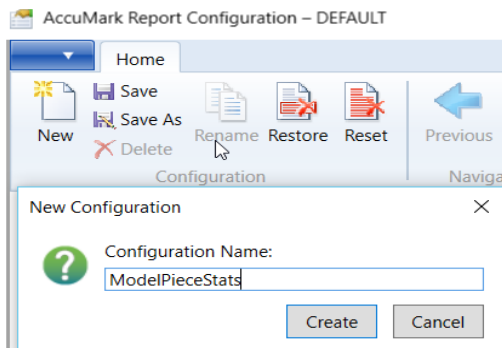


- **DEFAULT** – show data in default layout, can also Edit configuration
- **Edit Configurations** – brings you directly to customization

In the report itself, you can also select the **Edit** button to configure:



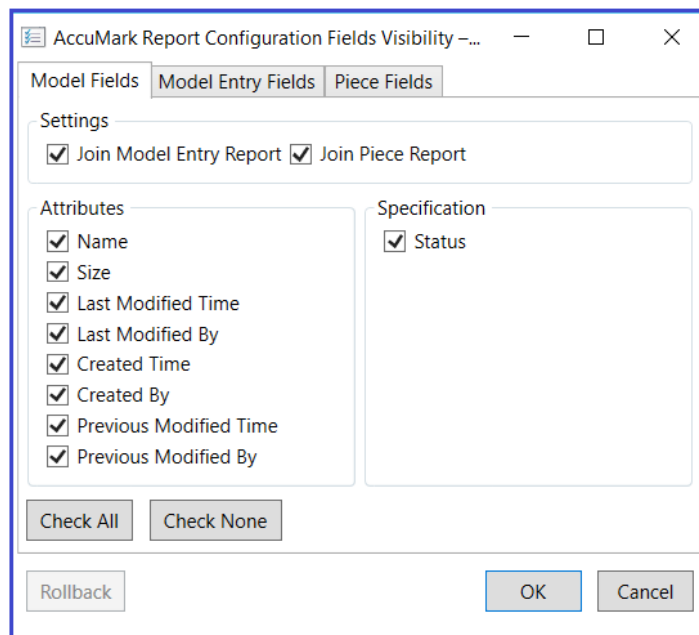
In the **Configuration** is where you can **Create / Update / Save / Delete / Rename** report layouts. You can **Name** the Configuration layout – create & use as many as you like! And then you can Pick which configuration to use.



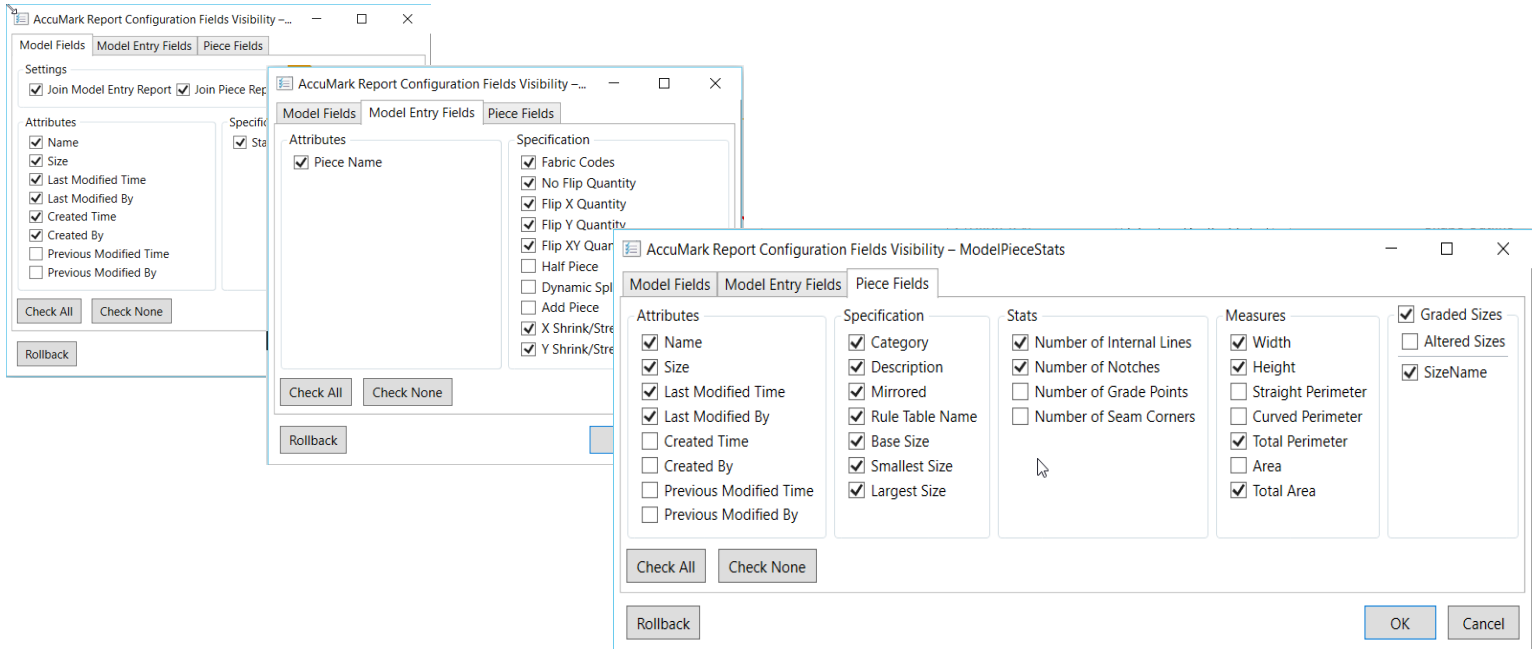
In the configuration, you will **Select Visible Fields** – Choose fields from the reports that you want to see in your customized report. Or you can check on/off in form.

CreatedUser	<input type="checkbox"/>
PrevModifiedTime	<input checked="" type="checkbox"/>

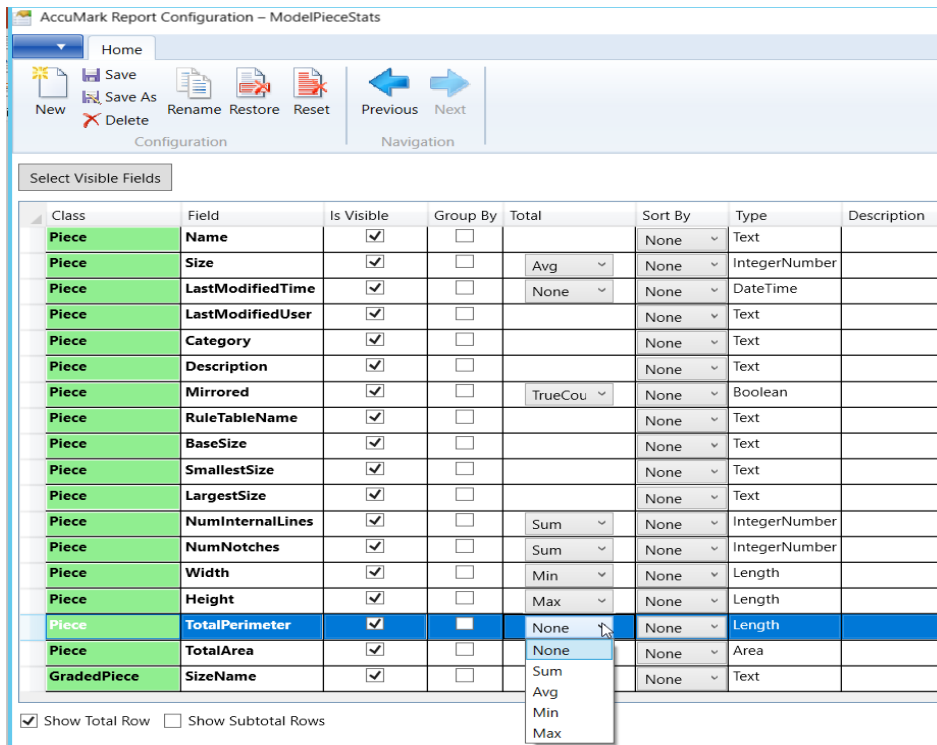
Select Visible Fields



Easily **click-on** or **click-off** the fields to display:



There are options for Automatic **Total** calculations. Choose 'what' to total via drop-down. Save your layout(s) to be used at any time.



For example, the next time you right-click on the data item you created the report layout – it will display in a list of choices:



You can set **Groups** (checkbox), and **Sort By** item(s).

Select Visible Fields

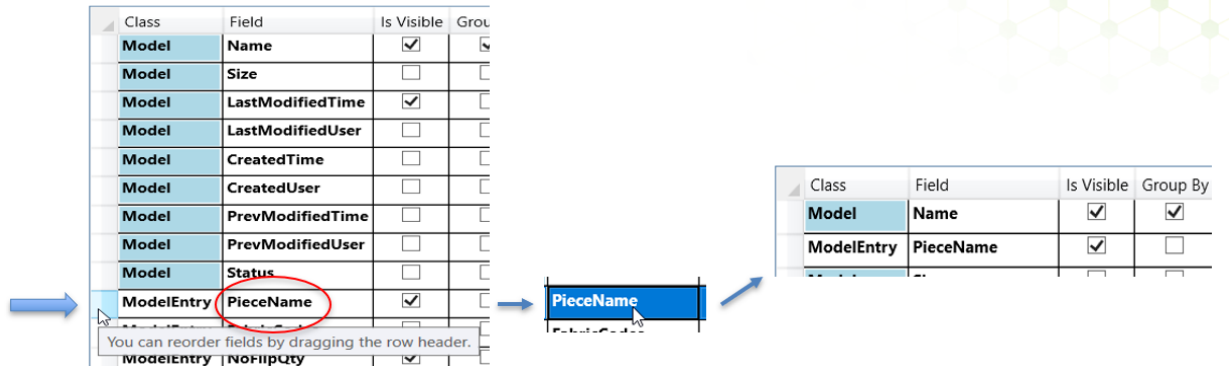
Class	Field	Is Visible	Group By	Total	Sort By	Type
Model	Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Ascendi	Text
Model	Size	<input type="checkbox"/>	<input type="checkbox"/>	None	None	IntegerNumber
Model	LastModifiedTime	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	Ascending	DateTime
Model	LastModifiedUser	<input type="checkbox"/>	<input type="checkbox"/>		Descending	Text
Model	CreatedTime	<input type="checkbox"/>	<input type="checkbox"/>	None	None	DateTime
Model	CreatedUser	<input type="checkbox"/>	<input type="checkbox"/>		None	Text
Model	PrevModifiedTime	<input type="checkbox"/>	<input type="checkbox"/>	None	None	DateTime
Model	PrevModifiedUser	<input type="checkbox"/>	<input type="checkbox"/>		None	Text
Model	Status	<input type="checkbox"/>	<input type="checkbox"/>		None	Text
ModelEntry	PieceName	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Ascendi	Text
ModelEntry	FabricCodes	<input type="checkbox"/>	<input type="checkbox"/>		None	Text
ModelEntry	NoFlipQty	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sum	None	IntegerNumber
ModelEntry	XFlipQty	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sum	None	IntegerNumber
ModelEntry	YFlipQty	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sum	None	IntegerNumber

Show Total Row Show Subtotal Rows

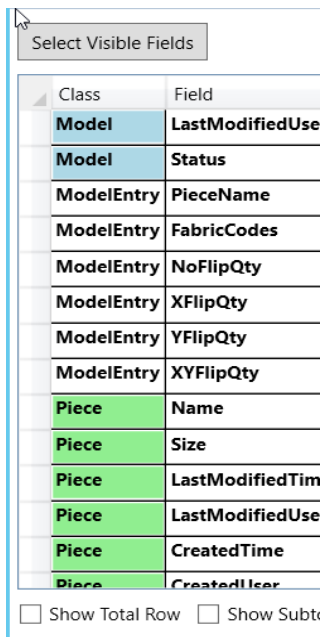
Group show with “header”:

Name	LastModifiedTime	PieceName
Name: COMPLETED-V-POLO (40 item(s))		
COMPLETED-V-POLO	9/28/2018 3:35:18 PM	VC-POLC
COMPLETED-V-POLO	9/28/2018 3:35:18 PM	VC-POLC
COMPLETED-V-POLO	9/28/2018 3:35:18 PM	VC-POLC
COMPLETED-V-POLO	9/28/2018 3:35:18 PM	VC-POLC
COMPLETED-V-POLO	9/28/2018 3:35:18 PM	VC-POLC

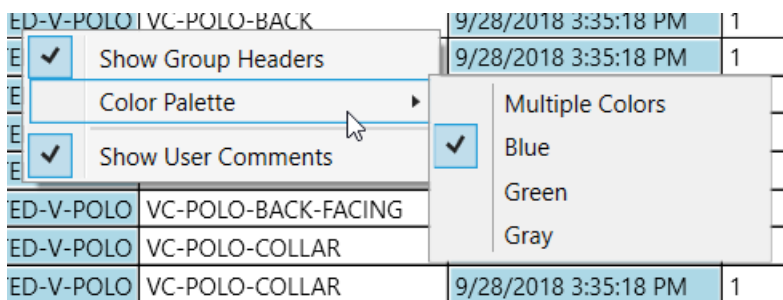
In the configuration you can **drag** to sort. For example: Drag the Piece Name up and show as the second row.



Class column = what report info came from:



There are some selectable **colors** (right-click):



You can **Expand / Collapse** groups:

Name	PieceName	LastModifiedTime	NoFlipQty	XFlipQty	YFlipQty	XYFlipQty	Name
Name: COMPLETED-V-POLO (40 item(s))							
			40	10	0		

The **Configuration** is saved per data type

- model, marker, piece – each has a folder with a default.cfg

You will always have one default configuration **“DEFAULT”** that cannot be deleted – it must have one to work with.

Cut Generation Enhancements

Improvements have been made to printing in Cut Generation to further improve communication with the cutting room.

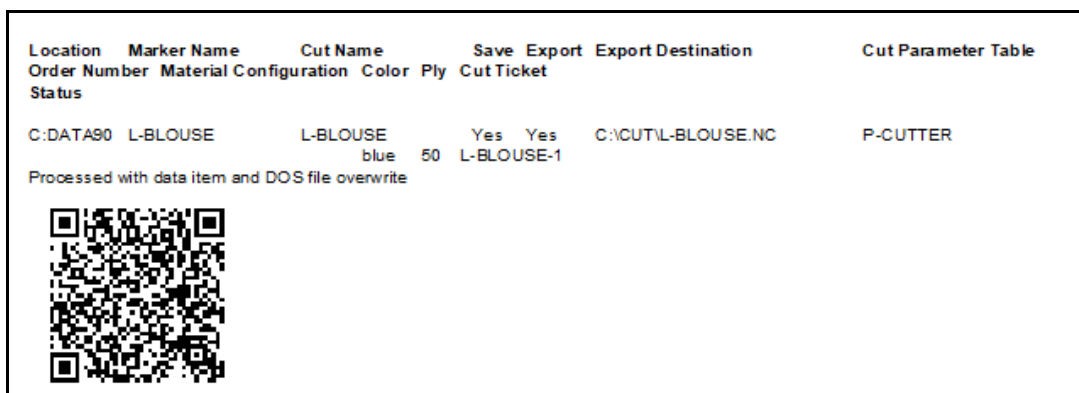
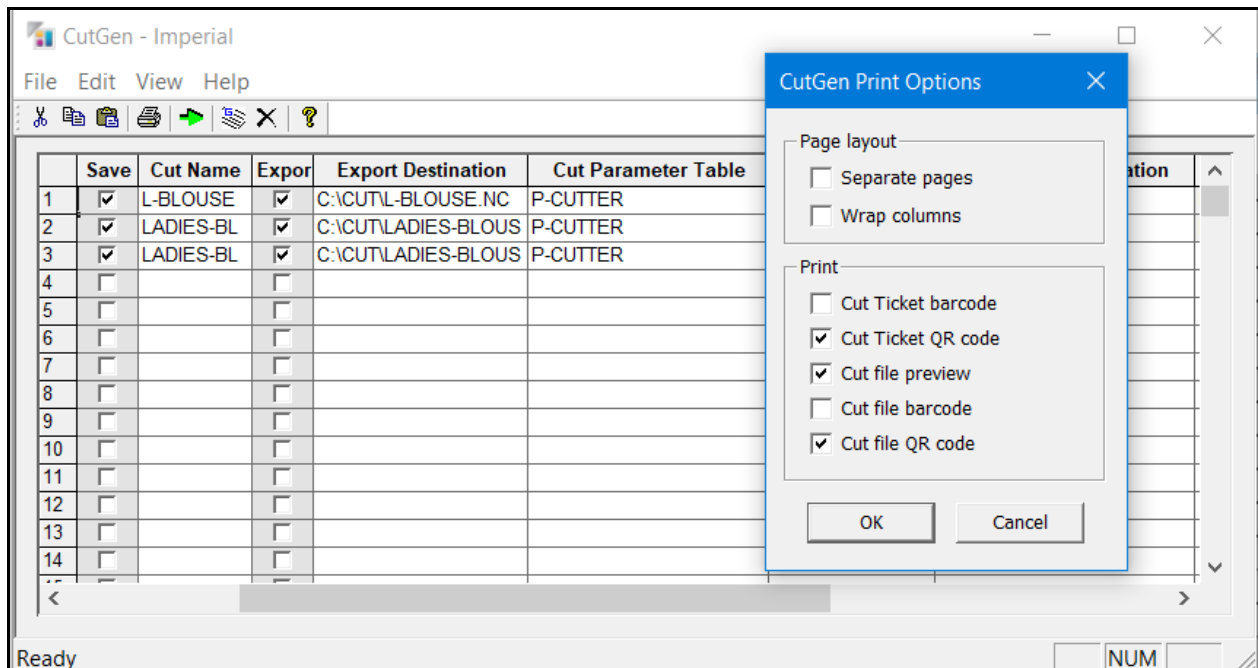
Barcodes for Cut File Name

The cut file name can now be printed as a barcode, a feature that can help ensure the correct file is selected at the cutter, avoiding having to manually type or search for the cut file name in a look up at the cutter.

QR Codes for Cut File and Cut Ticket

In addition to support for QR codes which was added to the AccuMark in marker annotation, QR codes can be created in the Cut Generation print function.

A QR code can be created for a Cut Ticket, a Cut File name, or both.



Version 8 Storage Areas – Phase Out

This is a Notification Only – there is no set date or release yet.

We are working towards a phase out of the AccuMark’s version 8 storage areas, similar in effect like our current version 7 storage areas. The phase out will be done in stages, and we will give you plenty of notification and time to prepare. Think about what it would take for you to move forward, or if there are any restrictions or challenges that are holding you back.

Phase out stages:

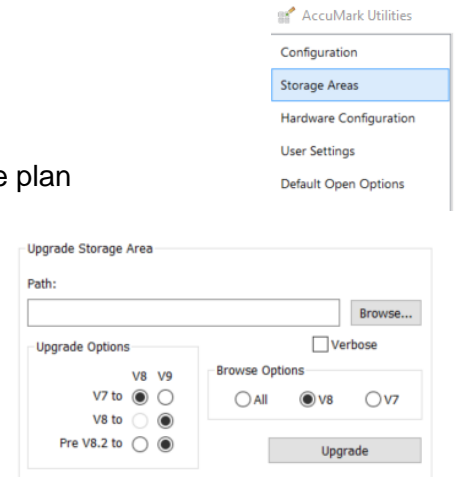
- V8 storage areas will become read-only
- Remove ability to create v8 storage areas

Considerations:

- Vendors / others you may share data with – prepare an upgrade plan
- Export V9 Models / Pieces to V8 strips off new features

Existing V7 and V8 storage areas can easily be upgraded to a V9 format beginning in AccuMark version 10.4.0.

Go to AccuMark Explorer’s File – Options, Storage Area section and learn about the Upgrade Storage Areas functionality.



Why the Phase Out?

V8 storage areas have limitations:

- # of data items per storage area, number of characters in names, sizes, comments, rules, etc.
- Cannot handle new or extended features, old control-file and data-file format
- Performance hurdles

V9 storage areas have more capabilities:

- New features: longer names: data item/storage area/option; extended comments, piece bookmarks, images, double-grading, 3D capabilities
- Performance improvements, new efficient data format, no file-locking issues, no physical AM size limits

Get Started: Use V9 Storage Areas for all new data being created to fully utilize the powerful new features being developed and benefit from all the new capabilities that come with version 9 storage areas.

Start simple – create a version 9 storage area and copy your version 8 data into it – try it out, take advantage of the new abilities you’ve been wanting to check out!

AccuMark® Professional Edition What's New Pattern Design 12.0.0

Changes since 11.0

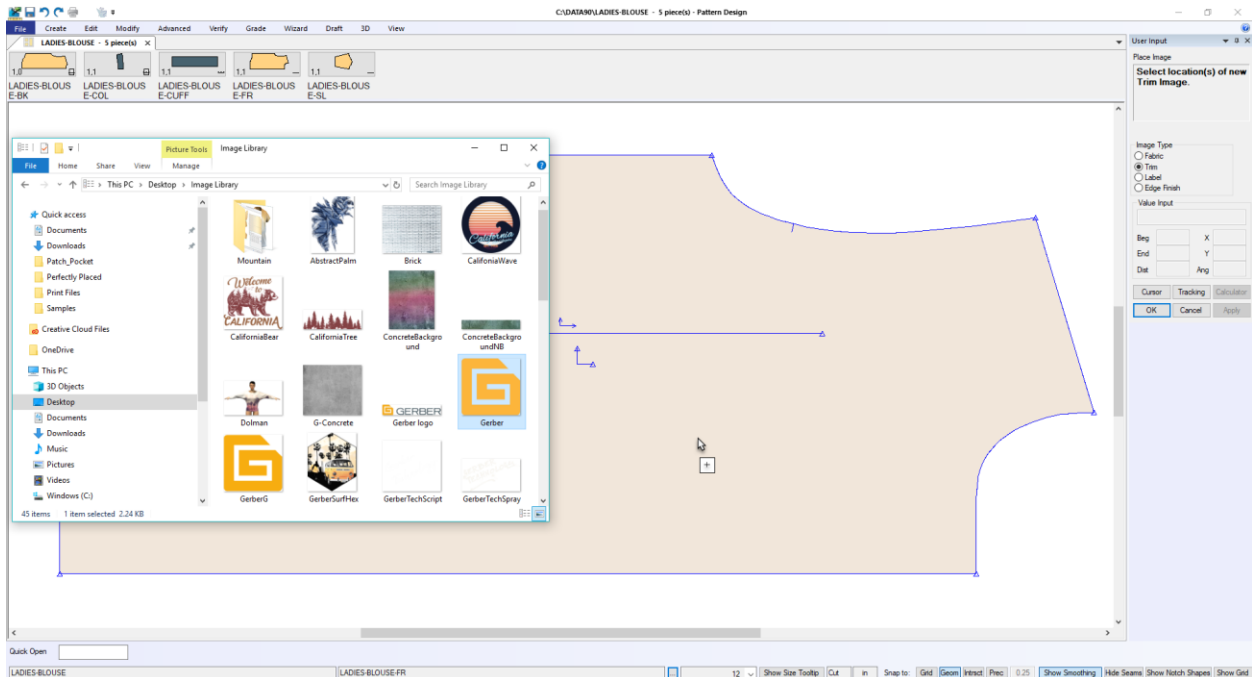
Image Enhancements

Drag and Drop

Drag and drop of images is a new enhancement in Pattern Design v12 that enables users to quickly and visually add images to pieces. This functionality is consistent with graphic programs such as Adobe Illustrator and facilitates an easy transition for graphics designers to implement AccuMark for their on-demand workflows.

To Drag and Drop Images:

5. From the **Create** tab, select **Place Image**.
6. Select from the following options prior to drag and dropping image. The Image Type selection will assign the following properties to the placed image:
 - **Fabric** – repeats within the piece boundary
 - **Trim** – single placement of image
 - **Edge Finish** – repeats along selected perimeter line
7. Drag and drop image from the desired directory to the AccuMark piece. After the image is dropped, the properties dialog box will display to make any needed adjustments to the image size, angle, or position.



Ease of Use Improvements

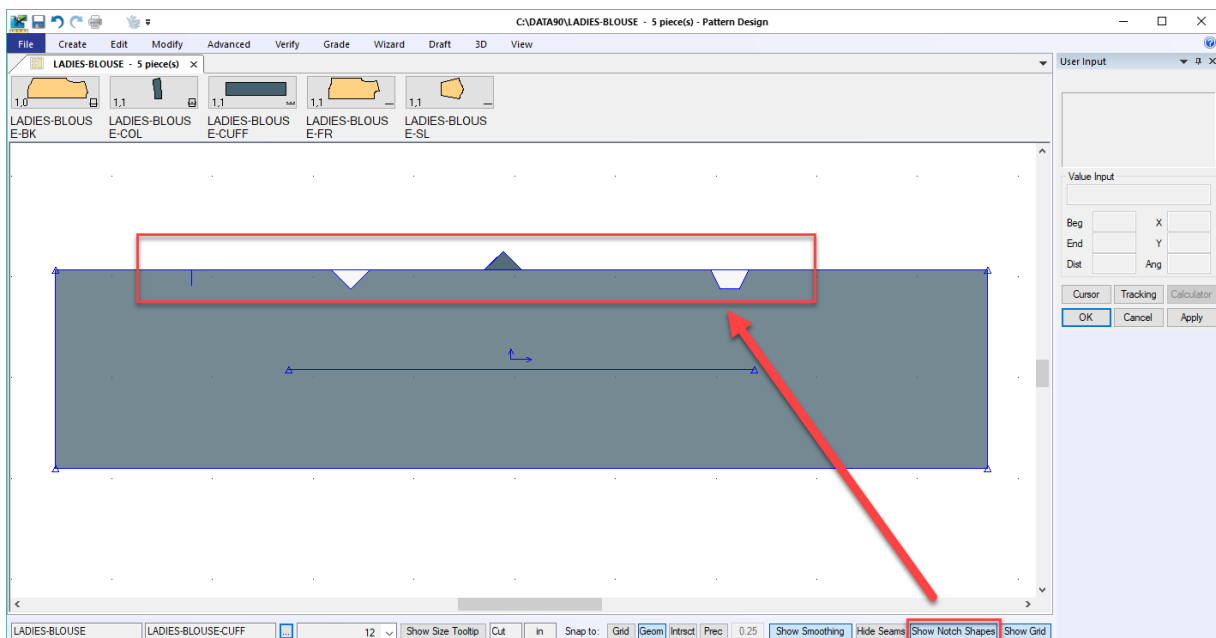
Show Notch Shapes

Previously in the View tab, Notch Shapes could be selected to display the notch shape. The piece would automatically display the cut line with notch types. However, once the function was closed, the notch shapes would return to the default slit notch display.

Now in v12 a new feature has been added to the Information Bar to Show Notch Shapes. Once selected, the notch shapes will remain displayed. Show Notch Shapes works like Hide Seams and can be toggled to show or hide the notch shape. The notch shapes remains edible as in previous versions and is controlled by 1 point.

To Show Notch Shapes:

1. Locate the Information bar and select Show Notch Shape.
2. Deselect Show Notch Shape to return to the default slit notch display.



Add Seams to Closed Internal Cutouts

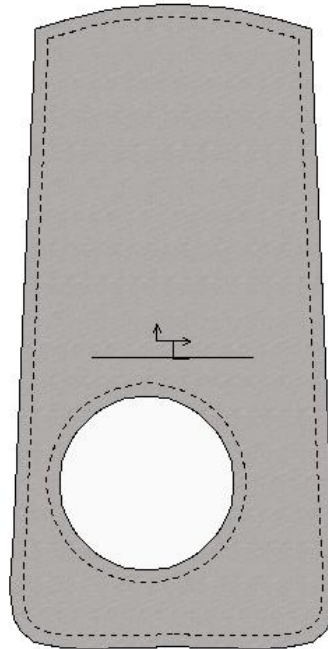
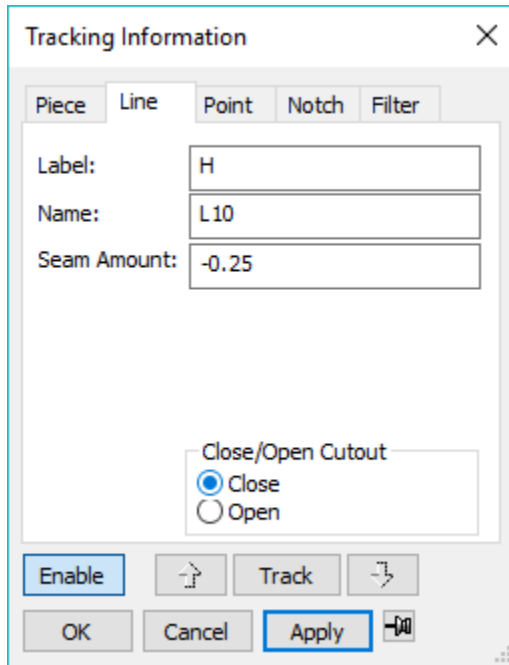
Seam Allowance can now be added to closed internal cutouts, allowing the user to walk the sew line to ensure fit. Once the closed cutout is defined, the cutout will now display without fill when the option to Display Filled pieces is turned on within PDS Preferences.

Note that it is not advised to swap sew/cut lines, as the internal shape may not be maintained. The walk function has been enhanced to select either the perimeter or internal line to validate piece matching.

To Add Seam Allowance to Closed Internal Cutout:

1. Internal line must be labeled as internal cutout "H" to apply seam. Go to the Edit tab and select **Edit Line Info**. Select the internal cutout and add the following parameters:
 - Label – **H**
 - Close/Open Cutout – **Close**

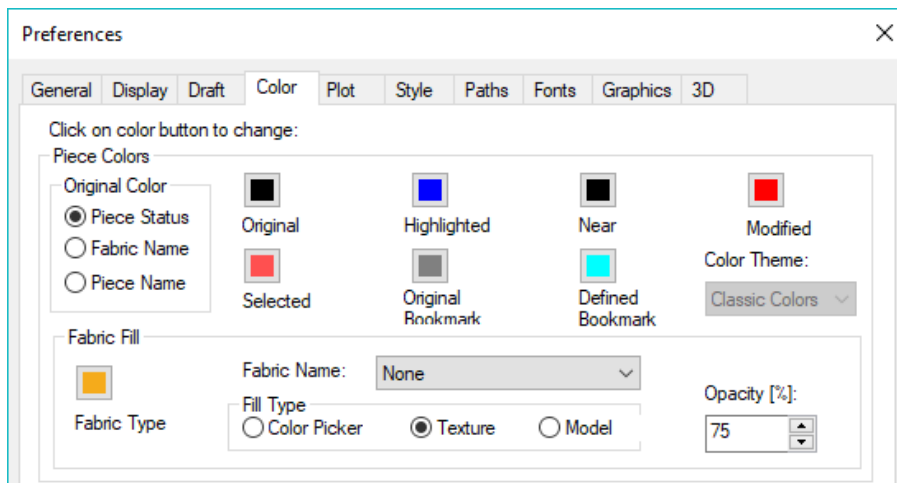
- With the line label correctly applied, it's now possible to define seam allowance. The seam can be added directly in Edit – Edit Line Info or in Advanced – Define Seam.

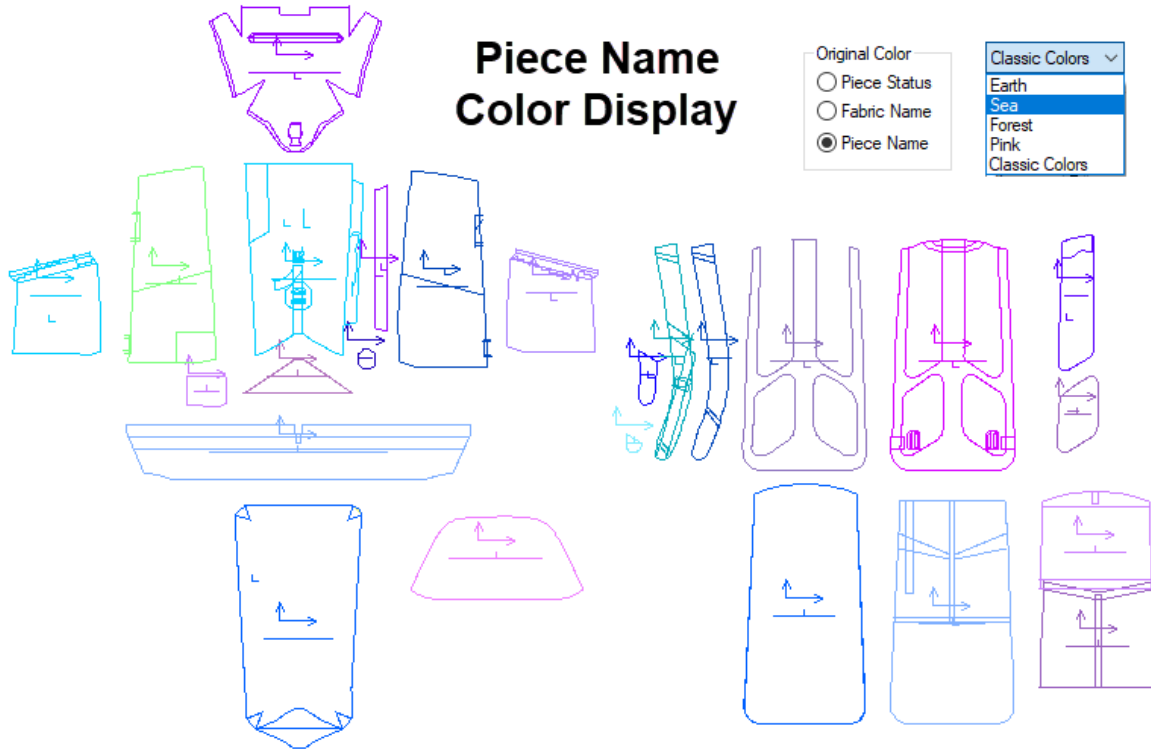


New Piece Color Options in Preferences

New options have been added in the preferences to determine the piece color display. The user can now select from the following options:

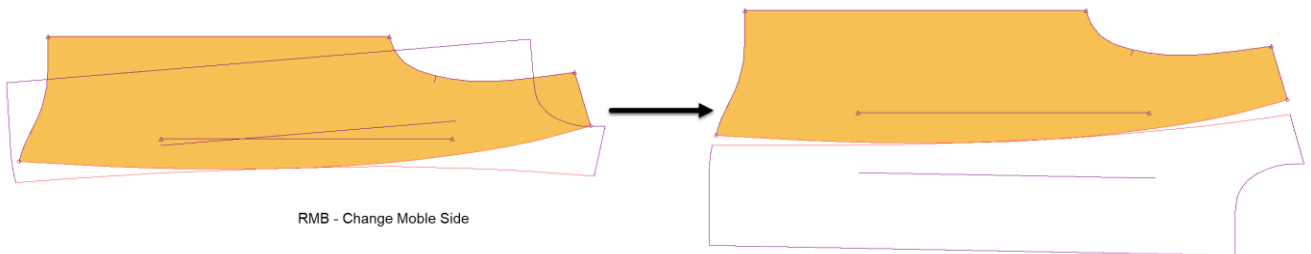
- **Piece Status** – utilizes the defined colors to show the state of the piece such as original, highlighted, near, modified, and selected.
- **Fabric Name** – utilizes the color associated with Fabric Name. The fabric drop down can be selected and a new color assigned to each available fabric.
- **Piece Name** – unique colors can be applied to each piece in the work area to quickly distinguish each piece. When this option is selected, the color theme can be chosen. The color themes match the available color options in Easy Marking.





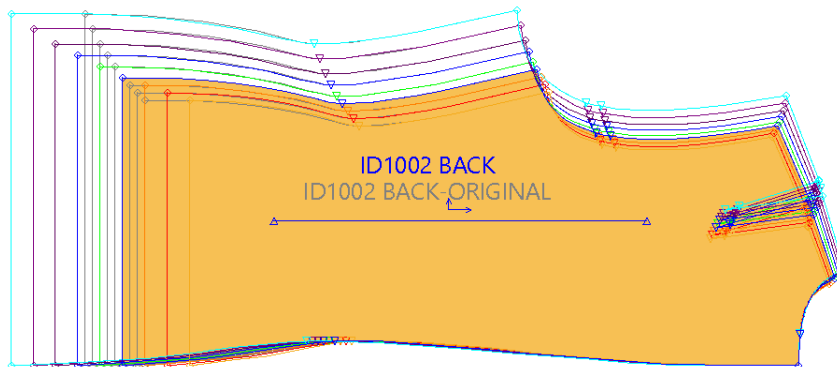
Change Mobile Side Walk Option Available in Advanced Edition

The Change Mobile Side option allows the moving piece to be flipped during Walk Piece so that both the stationary and mobile pieces can be easily viewed. This viewing option is now available to users that have AccuMark Advanced Edition for Pattern Design.

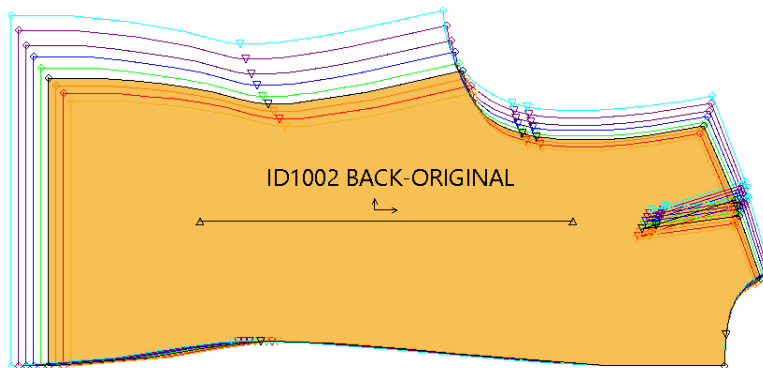


Bookmarks Support Graded Nests

Bookmarks will now show the original graded nest when the graded nest is displayed. The user can view changes made to the nest and even restore the original piece with grading.



**View Original
Bookmark**



**Restore Original
Bookmark**

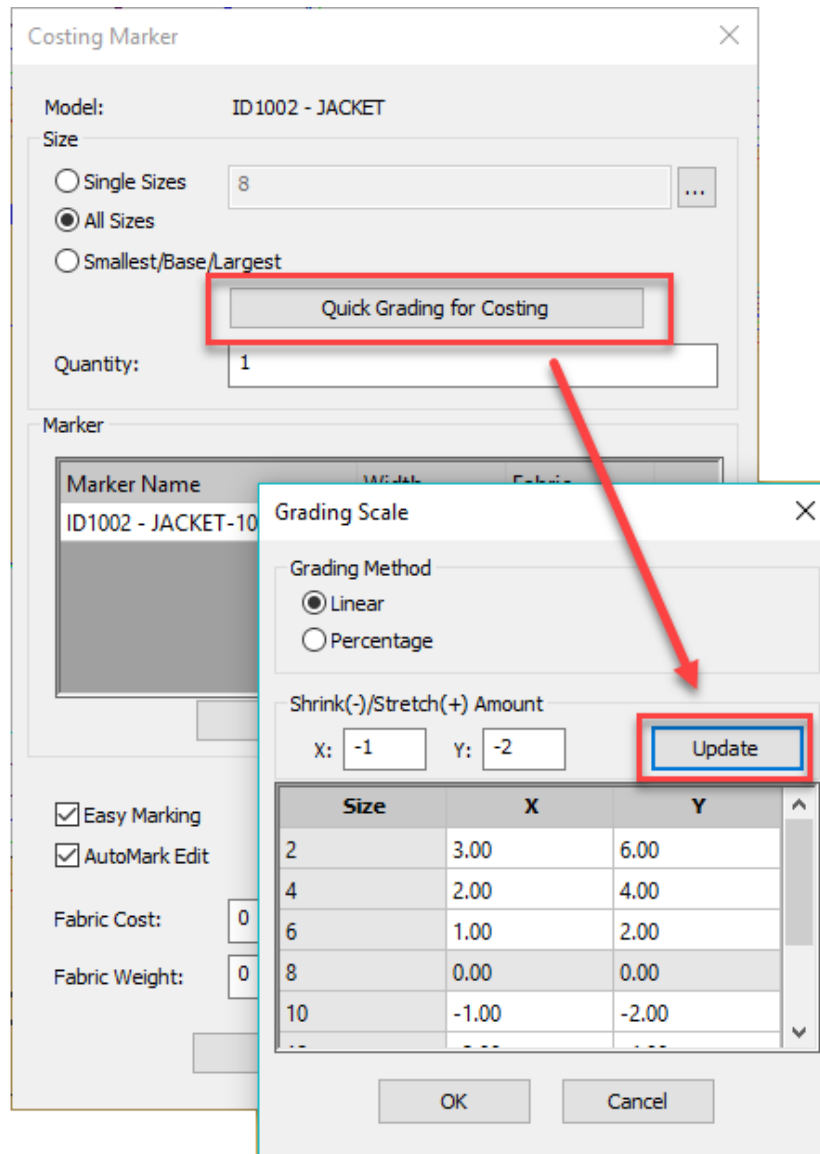
Update Button Available for Quick Grading in Costing Marker

Quick Grading was added in AccuMark version 11 but continues to be enhanced in the latest release to make generating quick grading even faster!

To Create a Costing Marker with Quick Grade:

1. From the File tab, select **Process Costing Marker**.
2. In the Sizes section, define the sizes to include and select **Quick Grading for Costing**.
3. Define the method (either Linear "inch, cm, mm" or Percentage %) and enter a value in the X and Y. Select **Update** to automatically calculate the cumulative values for the graded sizes.

Note that Quick Grading uses the Shrink/Stretch functionality to proportionally generate the quick grade. Positive values will make the piece smaller, while negative values will make the piece larger. Update will automatically make this positive/negative adjustment for the smaller and larger sizes.



Piece Selection Enhanced with Tab Key in Zoom View

The tab key can be used when a command in Pattern Design is active to move the selection to another piece in the work area. If there are large number of pieces in the work area, the tab key will cycle through all the pieces displayed.

Enhanced in version 12, the tab key will now only cycle through the pieces currently displayed in the viewable work area. For example if the user is zoomed into 2 pieces but there are 15 additional pieces in the work area, the tab key will only cycle through the 2 viewable pieces on the screen. This time saving enhancement allows the piece selection to change between only the pieces displayed on viewable work area.

Add Fabric and Flip Information When Adding a Piece to a Model

In any Create Piece function, the user has the ability to add the new piece to the model by checking the “Add Piece to Model” checkbox. In Version 12.0.0, the user now also can input the fabric codes and flips required for adding a new piece to the model. Two examples are shown below.

Create Sleeve

User Input

Sleeve

Select location to place sleeve piece.

Name: SLEEVE

Add Piece to Model

Dimensions

Sleeve Length: 23

Cap Length Front: 10

Cap Length Back: 10.5

Cap Height: 5

Wrist Width: 8

Bicep Width: 12.68

Notch

Type: [dropdown]

Depth: 0.16

Fabric

Flips (-, X, Y, XY)

0 0 0 0

Value Input

P1

Beg X

End Y

Dist Ang

Cursor Tracking Calculator

OK Cancel Apply

Create Rectangle

User Input

Rectangle

Enter piece name.

Add Piece to Model

Fabric

Flips (-, X, Y, XY)

0 0 0 0

Value Input

P1

Beg X

End Y

Dist Ang

Cursor Tracking Calculator

OK Cancel Apply

New Option “Clip Internal at Perimeter” in Trace

A new time saving option has been added to Create – Trace Piece called Clip Internals by Perimeters. When selected, any traced internal lines will automatically be clipped at the new traced piece perimeter.

To Use the Clip to Internal option:

1. From the Create tab, select **Trace**.
2. In the Trace options, select the desired Trace Type and select the option **Clip Internals by Perimeters**.
3. Select the lines to trace, and then select the internal lines to trace.
4. Note the new traced piece will already have the internals clipped with this new option selected.

User Input ▼ □ ×

Trace

Select perimeter line(s) to trace.

Trace Type

Normal

Mirror

Scored

Add Piece to Model

Category

Copy Original

Piece Name

Fold After Mirror

Point Information

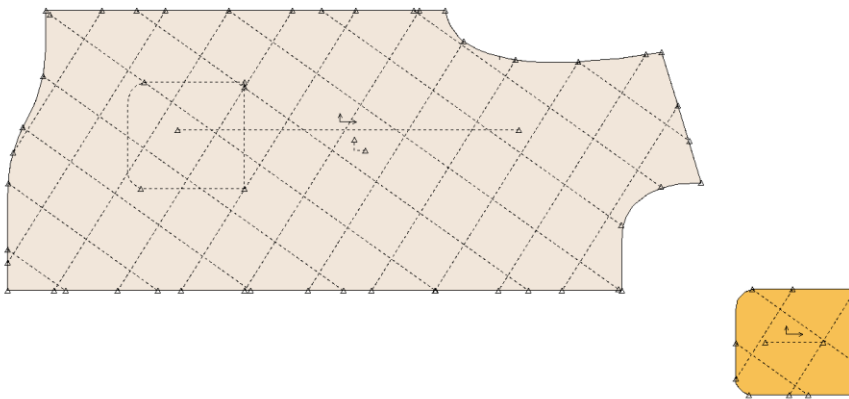
Use Perimeter

Use Internal

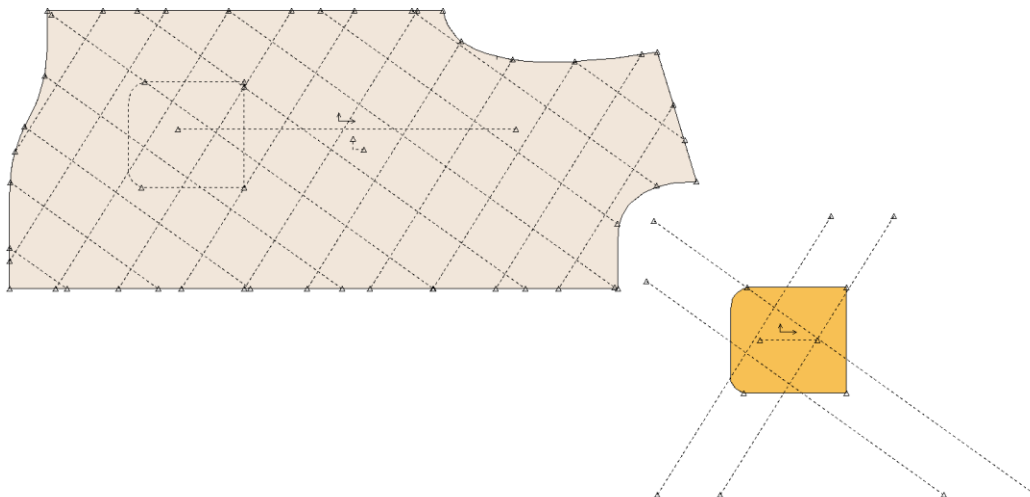
Maintain Graded Nest

Clip Internals by Perimeters

Clipped Internal



Unclipped Internal



Upload Copied Values from Clipboard for Grading Functions

In Version 12.0.0, the user can now upload copied values from the clipboard into some of the grade function value fields. Users can copy grade values directly from some of the Grade / Create/Edit functions (for example Edit Delta) and then paste directly into other grade functions. Or users can copy measure charts and paste those charts into MS Excel in order to copy values that can then be pasted into the grade functions. The copied values from clipboard can be pasted into the Size Difference field of the following functions; Tangent Notch, Specify Distance, Edit Delta, Keep Angle Extension and Parallel Extension. The copied values can be pasted into the Length value field for the Specify Length function. The user can only copy values into the Edit Delta form if the Delta X and Delta Y fields are not zero values.

The copy and the pasting can be done for only some of the grade field values. For example, if you had a size break and wanted to copy and paste only those values from one group of sizes, you can do with this function improvement.

Copy Values

Break	Delta X	Delta Y	Distance
2 - 4	0.250	0.008	0.250
4 - 6	0.250	0.008	0.250
6 - 8	0.250	0.008	0.250
8 - 10	0.250	0.008	0.250
10 - 12	0.250	0.012	0.250
12 - 14	0.250	0.012	0.250
14 - 16	0.250	0.015	0.250
16 - 18	0.250	0.015	0.250

Paste Values

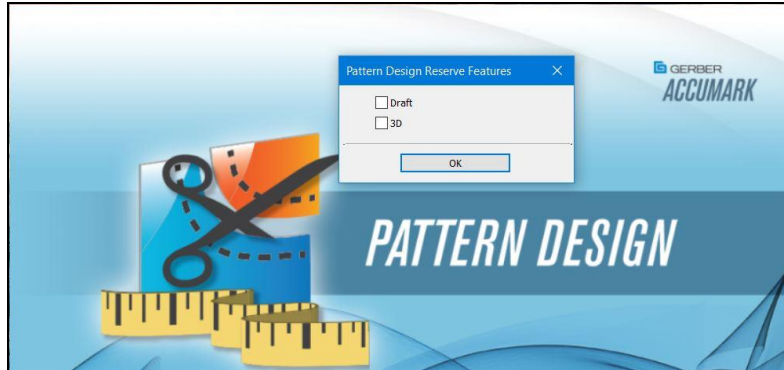
Break	Delta X	Delta Y	Distance
2 - 4	0.245	0.008	0.245
4 - 6	0.245	0.008	0.245
6 - 8	0.245	0.008	0.245
8 - 10	0.245	0.008	0.245
10 - 12	0.243	0.010	0.243
12 - 14	0.243	0.010	0.243
14 - 16	0.240	0.013	0.241
16 - 18	0.240	0.013	0.241

Edit Delta Dialog Box Automatically Resizes

In Version 12.0.0, the Edit Delta dialog box automatically re-sizes when opened to fit all sizes in size range. So, if the user has a large size range with many break sizes, the Edit Delta dialog box will automatically adjust in order to be able to view all the sizes within the dialog window.

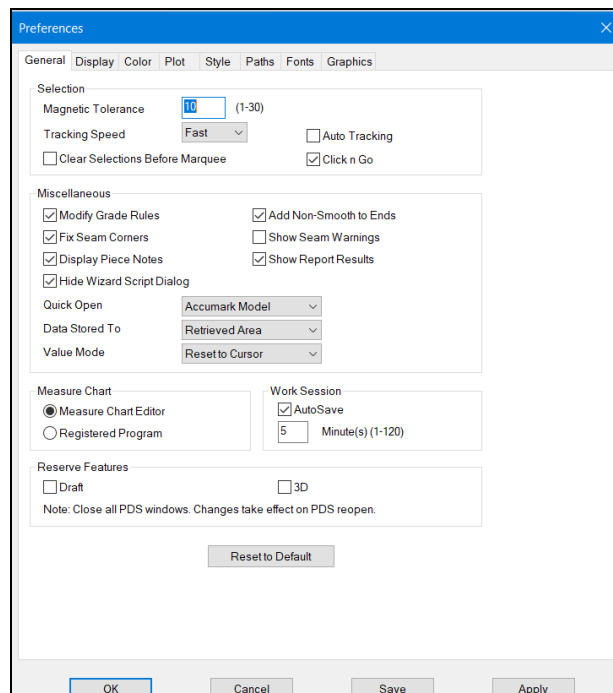
PDS Network License Reservation

If connected to a network license with fewer 3D / Draft features than total number of features for all the users on the network license, a prompt will be displayed to users so they can properly assign those features to the users who need them. This prompt is displayed only once the very first time the user invokes PDS and if the feature(s) are available for allocation.



At startup of PDS, after the splash screen, users on that network license are presented with a prompt for optionally allocating (using) a license for 3D and/or Draft. Checked-on will assign that feature functionality to that user. Selecting OK without checking these features will not reserve these applications for the user.

To remove the selection, go into Edit-Preferences - General tab- and deselect the choice(s) no longer needed in the "Reserve Features section of the dialog. A restart of PDS is required to release the deselected features/functions.



The users of the network license are not informed when the feature(s) are released, the user who needs the feature will only know the feature(s) is available on startup of PDS if the prompt is displayed.

AccuMark v12.0 Macros

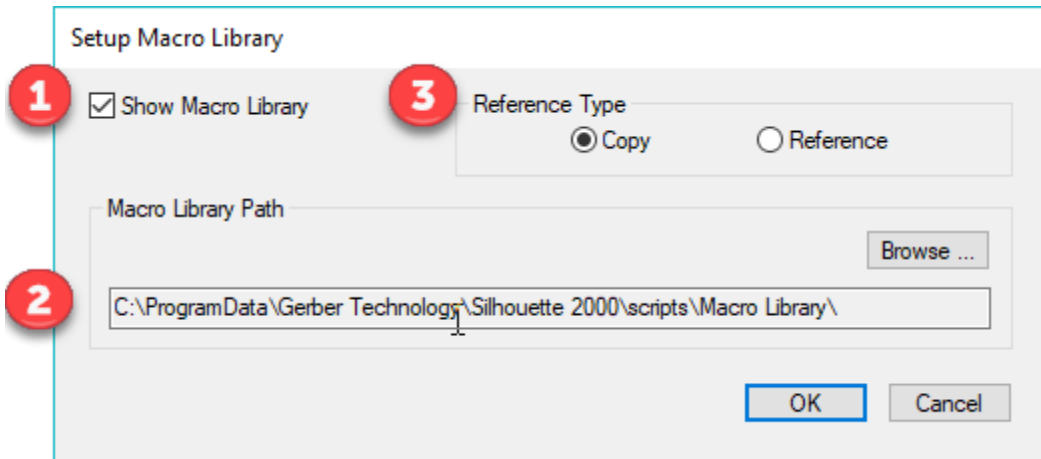
Multiple enhancements have been added in AccuMark version 12.0 enabling advancements in creating and editing macros. Libraries can be built to store and reference smaller component macros helpful when building an overall larger product. It's also possible to add prompting for values during playback. This enhancement allows macros to be edited on the fly. Additionally, piece substitutions can be made referencing piece categories instead of piece names. This allows a macro to apply to a broader group of pieces.

Macro Libraries

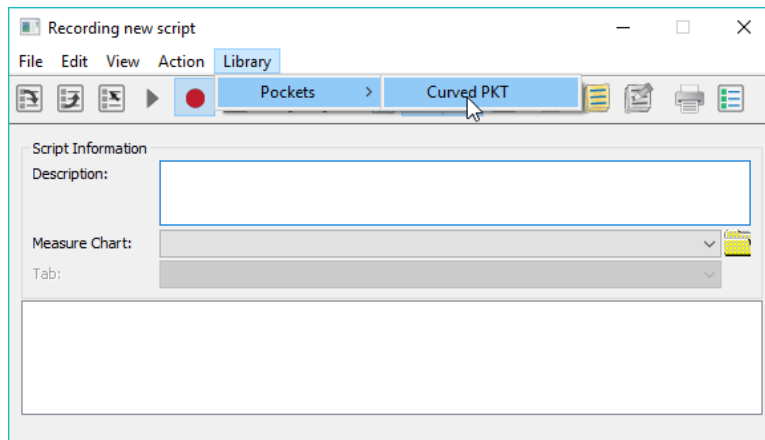
Macro libraries provide the ability record smaller component scripts to include options when generating a larger product script. For example, when recording a jacket script, pocket, collars, and lapel options could be recorded as component scripts. The user can then pull from existing component script libraries to be a customized jacket style with options such as rounded pocket, collar B, and notched lapel.

To Setup a Macro Library:

1. Record component scripts and build library options. The directories for the library can be stored in any local or network location. A new folder will be created to store each type of recorded macro (xml file). For example, under the Macro Library directory there might be separate folders for cuffs, collars, sleeves, fronts, backs, and so on.
2. By default the library is not displayed. To enable the library from the **Wizard** tab, select **Record** in the **Recording** panel.
3. From the File menu, select **Setup Library**.
4. Select from the following options:
 - **Show Macro Library** – select to display the library options within the script recording dialog
 - **Macro Library Path** – select Browse to change the path of the Macro Library
 - Default path is C:\ProgramData\Gerber Technology\Silhouette 2000\Scripts\Macro Library
 - Scripts must be stored in path in order to view. A directory with no scripts will not be visible while recording or editing
 - **Reference Type**
 - **Copy** – allows the user to insert a component macro into a new script file which will all be stored under the same library path.
 - **Reference** – allows the user to insert a component macro where a reference is made to the only to the group or part stored within different subfolder of the parent Macro Library. For example, a Reference macro may include the path to the collar, cuff, front and back to build an overall shirt. While editing the overall script, the user can then access a popup menu to change/edit the individual component macro if needed.

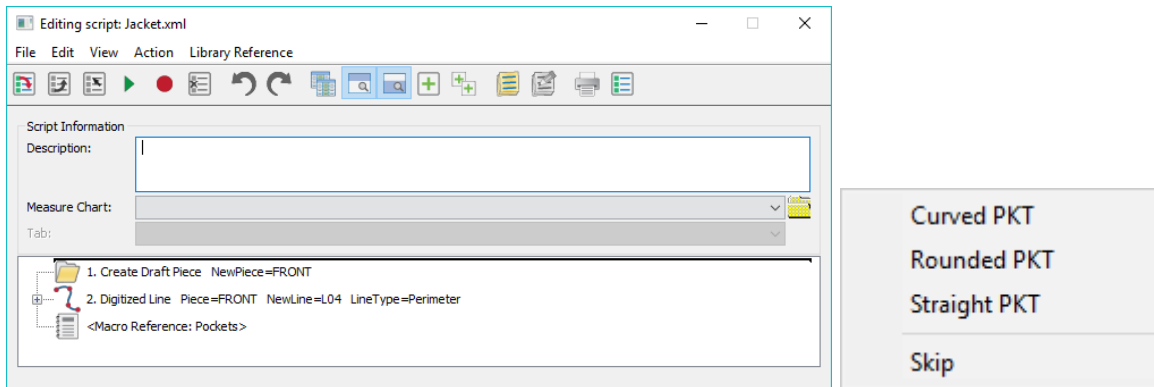


- Once Show Macro Library is selected, the user will be able to copy or reference a component macro based on the defined setting.



Reference Libraries

When recording a script with reference libraries, only the component path is saved not the individual steps. This is noted in the macro with <Macro Reference: >. During editing or playback, the user will receive a pop-up menu of the available component macros to use.



Prompting during Playback

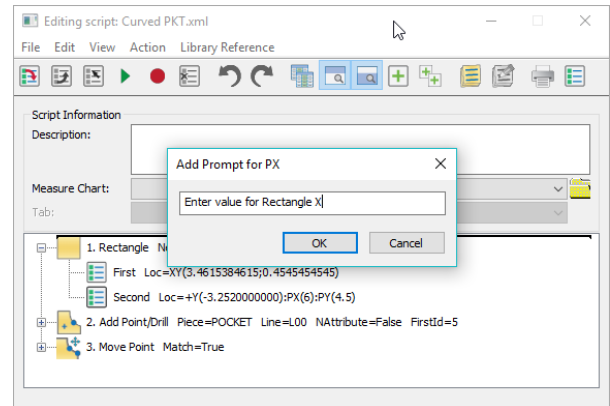
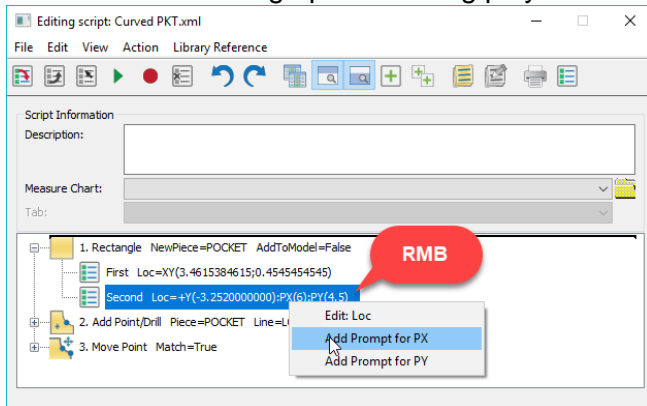
Scripts now have the added flexibility to change the values tied to recorded steps. Once a step has been recorded, the user can define the functions that would be available for editing during playback. Once defined, a prompt will appear while playing a script and values can be adjusted as needed. The prompting does support editing with the calculator. The editable values are limited to values including:

- Dist
- X
- Y
- Ang

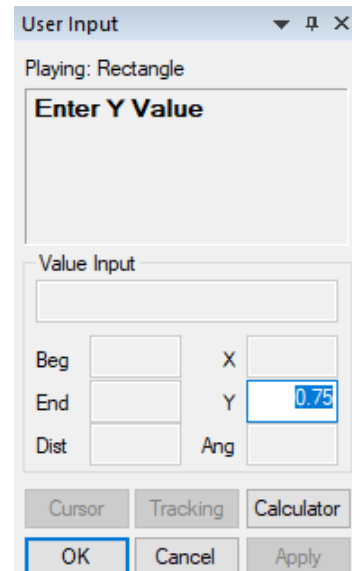
Also Define Seam and Create Standard Notch Beg/End are available for editing.

To Add Prompting during Playback:

1. Record a macro or reference an existing macro to edit.
2. From the **Wizard** tab, select **Edit** in the **Recording** panel.
3. Expand the recorded steps and locate the function to add playback prompt. Once the X, Y, DIST, or ANG value to edit is located, right click and select **Add Prompt for P...**
 - Enter the text to display during playback and select OK when finished
 - Continue to add prompting for all required functions in the script that would need editing options during playback.



4. Once all prompts have been added, go to the File menu and **Save** the script.
5. Now during playback, the macro will stop and prompt for editing in defined locations.
 - Default values will initially be displayed in the value fields from the recorded script. These values can be kept or a new value can be entered.
 - The calculator can also be used while entering new values.
 - The function name will also display within value input to identify the function to edit.

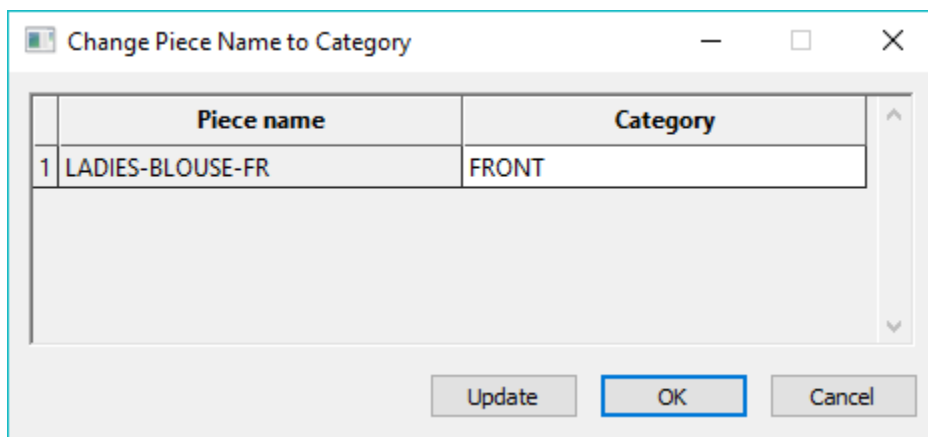


Substitute Pieces in Scripts

It's now easier to extend scripts to additional pieces by referencing a piece category instead of strictly a piece name. This opens the macro to a broader subset of patterns. A piece category is saved with the piece and a pattern type like front, back, or sleeve. Note that when creating a macro point numbers and line names are also recorded. If using piece substitutions, the point numbers and line names **MUST** match across pieces in order to playback successfully.

To Change Piece Name to Category:

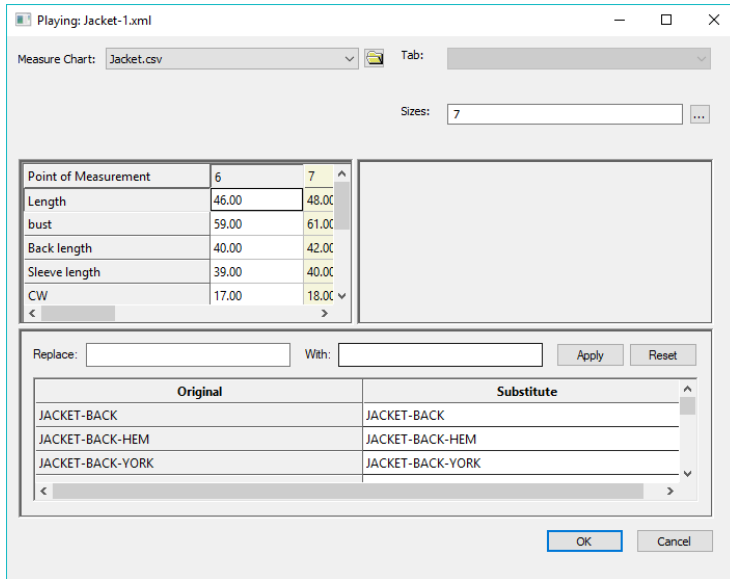
1. Record a macro or reference an existing macro to edit.
2. From the **Wizard** tab, select **Edit** in the **Recording** panel.
3. From the Edit menu, select **Change to Piece Category**. All the piece names and current categories will be listed. The user can keep the default category or change to another category name. Once dialog is complete, select OK.



4. Now during playback, the macro will reference any piece with the defined same defined piece category.

Ability to Hide the Playing Script Dialog

Playing back a script has previously opened with a dialog allowing the user to change a size or rename pieces. If these processed are not required, there is now an option available to hide the playing script dialog. When hidden, the user can click directly in the work area to begin immediate playback of a macro.

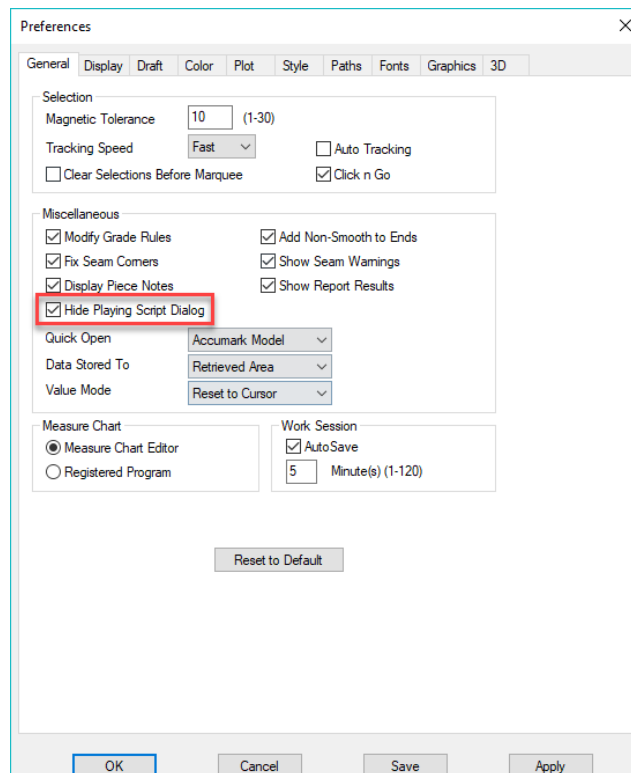


Hide the Playing Script Dialog will remove this window from the start of the macro playback. Enable the Playing Script Dialog to:

- Change Measure Chart
- Change Sizes
- Rename Pieces

To Hide the Playing Script Dialog:

1. From the **Edit** tab, select the **Customize** dropdown and then **Preferences** in the **Workspace Panel**.
2. In the General tab, select the option Hide Playing Scripts Dialog.
3. Next time a script is run, the user will be prompted to click in the workspace to begin playback.



Support for Define Fabric and Flips in Macros

Additional functionality has been added to the options available to record in a macro by including the options to define a fabric and flips. This includes functions that create new pieces with the option selected “Add Piece to Model”.

- Rectangle
- Copy
- Binding
- Trace
- Sleeve
- Facing
- Fusible
- Ruffle
- Split

User Input

Rectangle

Press to select one corner, press again to select other corner.

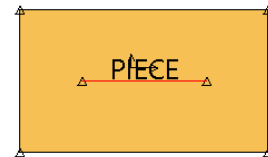
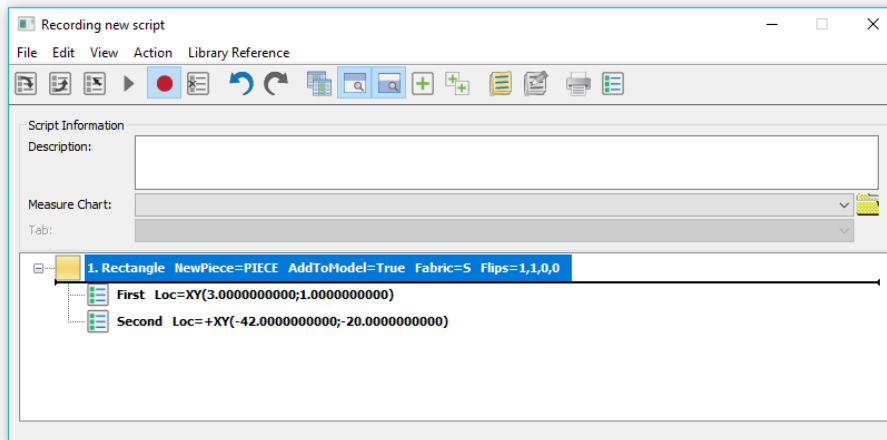
Add Piece to Model

Fabric

S			
---	--	--	--

Flips (-, X, Y, XY)

1	1	0	0
---	---	---	---



Important Notes for Macros

- Macros record point numbers and line names. These will need to be maintained when substituting piece with the same categories.
- It is not recommended to edit script outside of Pattern Design. XML files need to be edited within the Wizard tab of Pattern Design.
- Limit all the component macros to use the same measure chart. Multiple size lines will not be supported.

AccuMark v12.0 Multi-Dimensional Grading

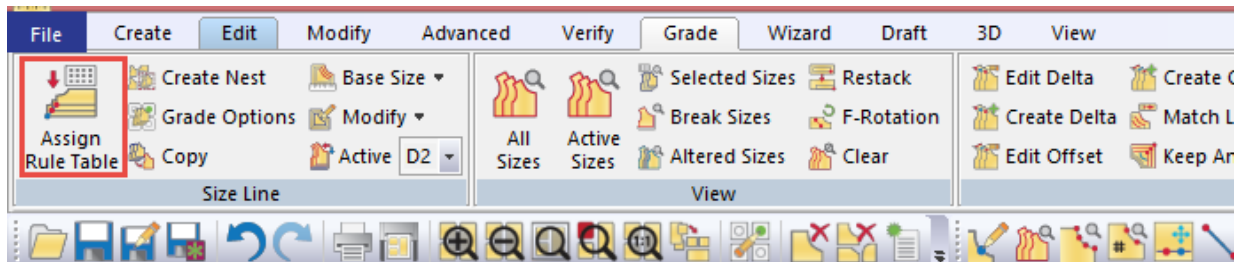
One exciting new enhancement of v12.0 is the multi-dimensional grading functionality. You can now assign up to four rule tables to pieces. This gives the user the ability to have four grade dimensions on each piece.

Multi-Dimensional Grading in PDS

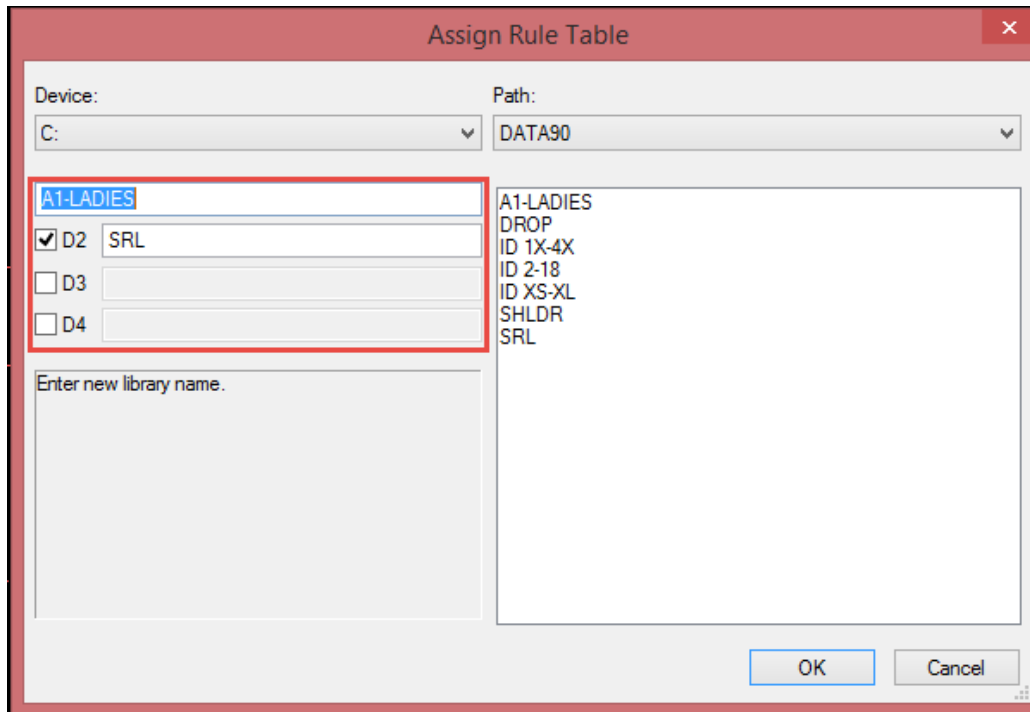
Assigning Rule Tables

When the first rule table is assigned to a piece, the size line and grading from this rule table becomes Dimension 1 or D1 grade, second rule table assigned becomes D2 grade, etc.

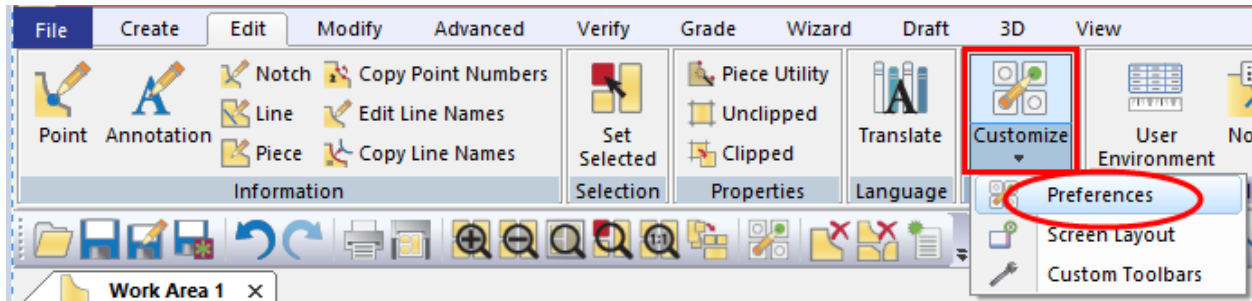
The Rule Table for Dimension 1 can be assigned while digitizing a pattern or it can be assigned in PDS. Rules tables for grade dimensions 2 through 4 are assigned in PDS using the Grade – Size Line – Assign Rule Table function.



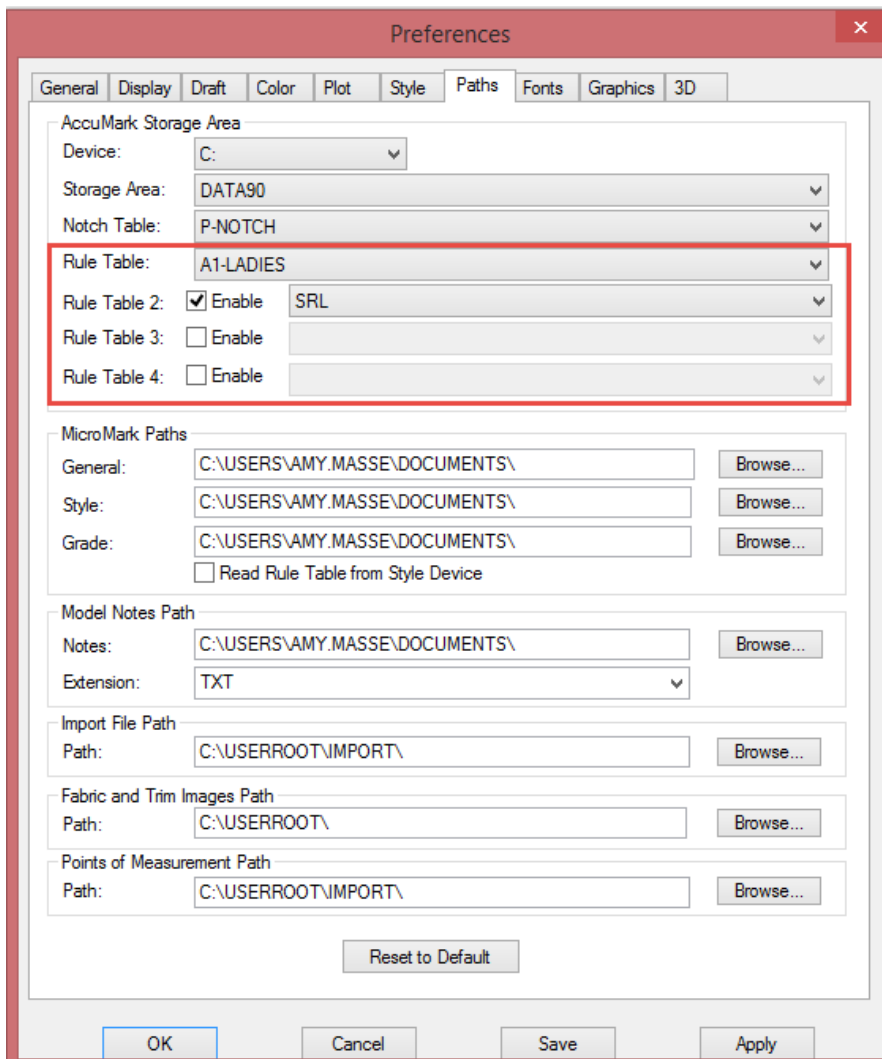
Once the function is selected, the dialog box appears and you can select your desired grade rule tables.



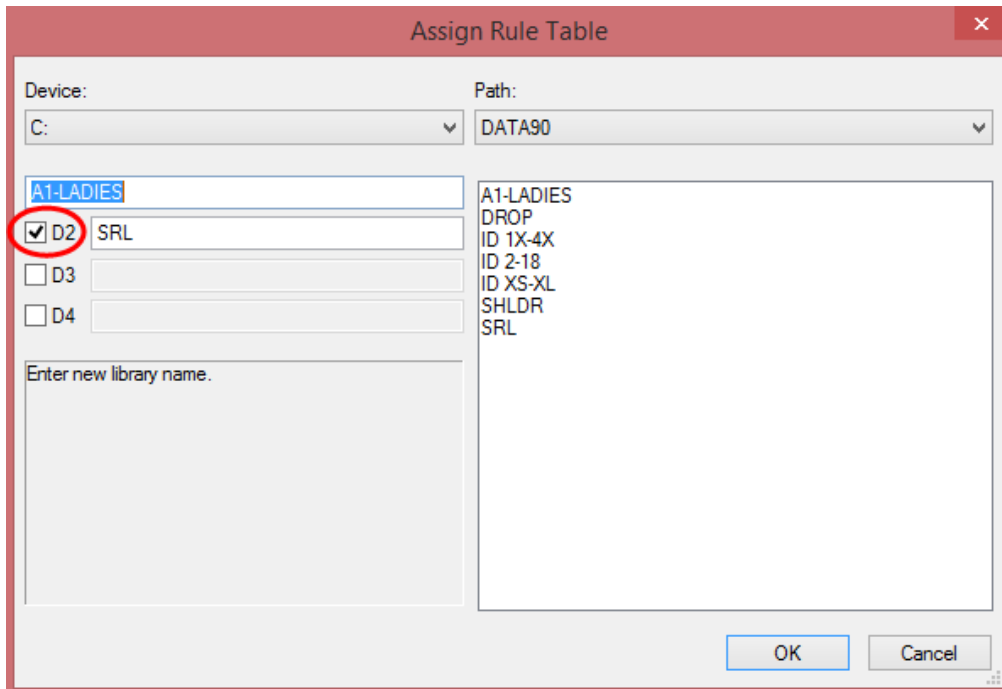
Rule Tables can also be pre-set for newly created pieces in the PDS Preferences. In the Edit – Workspace – Customize menu, select the Preferences from the dropdown box.



In the Paths tab, you can select the grade rule tables you wish to assign to new pieces and Save your preferences for your next work session.

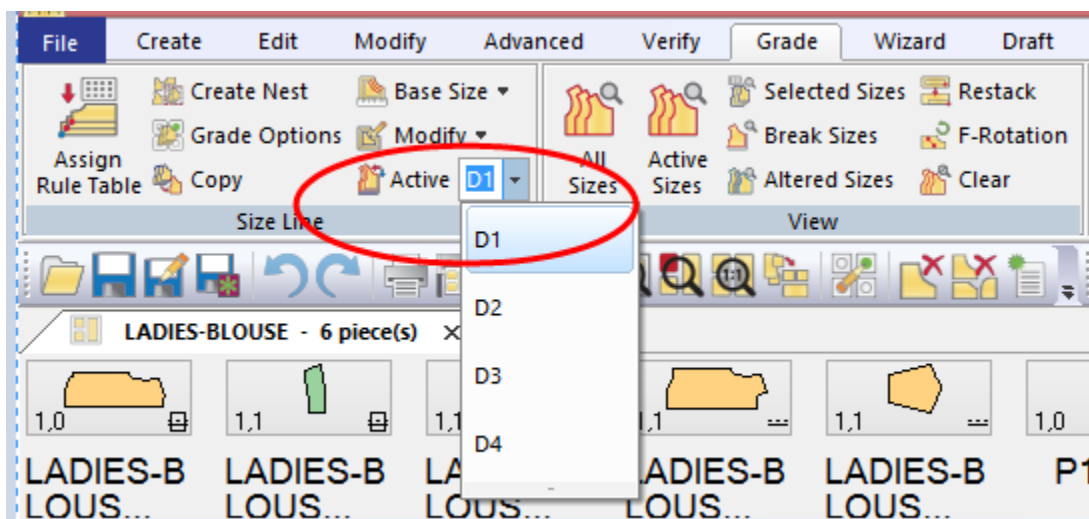


User also has the option of removing a grade dimension from a piece. This can be done by de-selecting the grade dimension box from the Grade – Size Line – Assign Rule Table function.

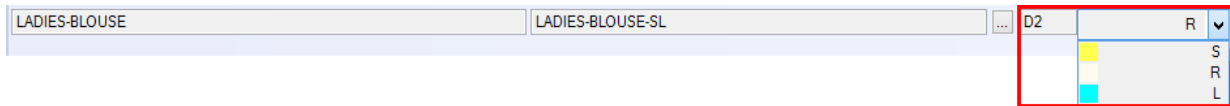


Selecting the Active Grade Dimension

Once you have assigned multiple grade dimensions, you can choose which grade dimension you want to be “active”. Only one grade dimension can be active at a time, allowing the user to work only on the grading within that active dimension. To select the active grade dimension, go to the Grade – Size Line – Active function. Click the arrow to trigger the drop down box and select the desired dimension to be “active”.



The currently selected grade dimension will also show in the status bar next to the base size. All sizes from the currently selected grade dimension will appear when the size pop-up is selected.



The Grade – Size Line – Base Size - Change Base Size and Change Base Dimensions functions will allow the user to select a new base size or shape only within the selected grade dimension.

All of the Grade - Create/Edit and Grade - Modify functions within the Grade ribbon tab work as normal but only with the currently selected grading dimension.

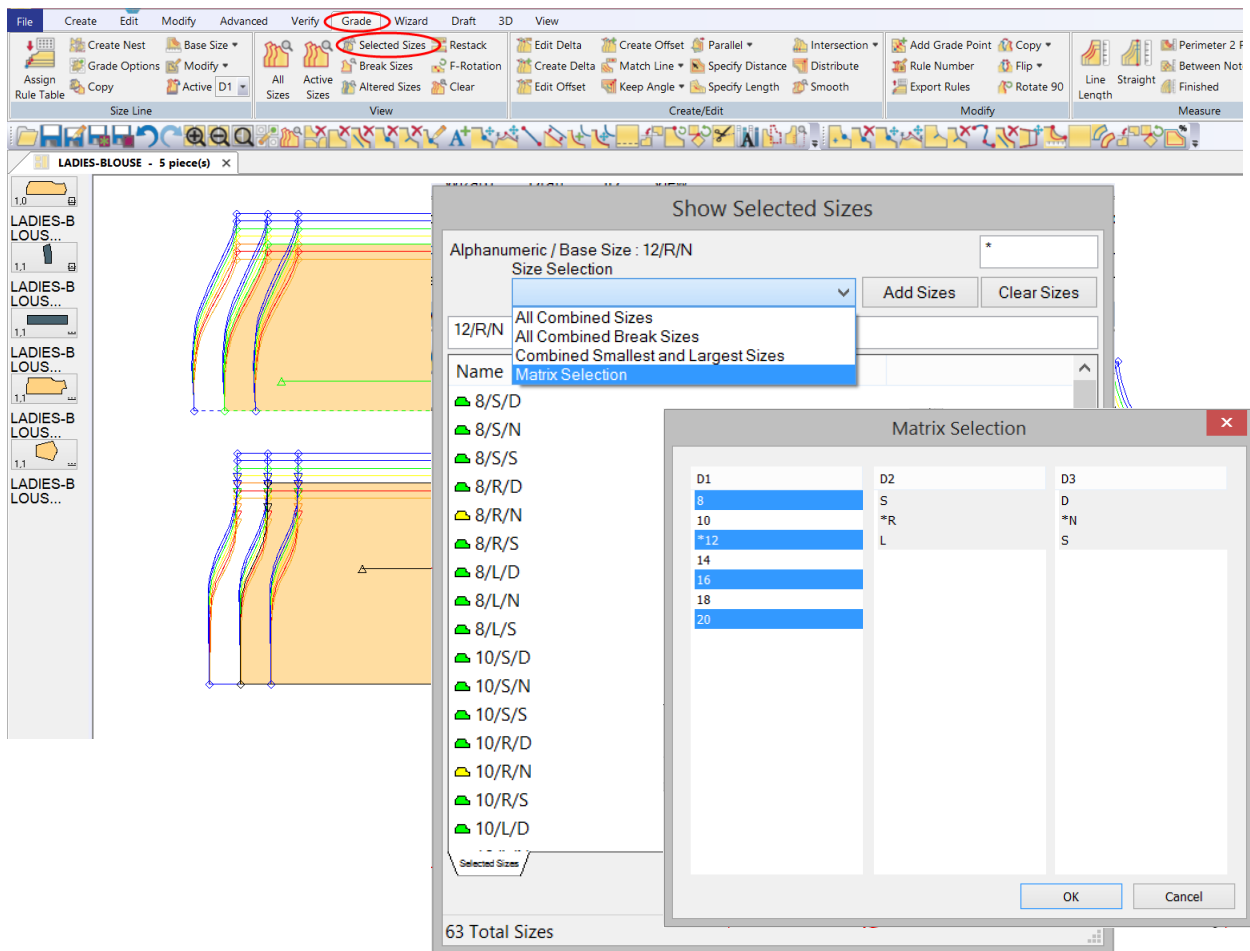
Grade View Menu with Multi-Dimensional Grading

There are several ways to view your multi-dimensional graded patterns in V12.0.

- Grade – View - All Sizes function will display only those sizes within the selected grade dimension.
- Grade – View - Active Sizes function will display all the combined sizes selected as “active” in the Model Editor. More on the selection of “active” size selection in the model in the *Multi-Dimensional Grading in MMS* section of this document.

- Grade – View - Selected Sizes function dialog box will display the list of all combined sizes from all dimensions. Multiple sizes can then be selected for display by holding down the shift key or control key or you can type the desired sizes in the size field at the top of the dialog box, separated by commas to display selected sizes in a cumulative form. There is also a filter field in the Show Selected Sizes dialog box that can be used to par down the list of combined sizes.

A new “Size Selection” dropdown box has been added to this function in order to assist navigating through a large number of combined sizes. One of the options available in this dropdown box is called “Matrix Selection” which allows the user to select the desired combined sizes using the control key and selecting each size to be displayed.



Grade Measure Menu with Multi-Dimensional Grading

The Grade Measure menu functions continue to provide powerful tools for the user to check pattern sewing and specifications with several ways to measure patterns in V12.0.

If no grading is displayed on pieces in the work area, the Grade – Measure functions will show the measurements of only the active grade dimension.

The screenshot shows the Gerber Technology software interface. The 'Grade' menu item is circled in red in the top menu bar. In the 'Grade' dropdown menu, the 'Active D1' option is also circled in red. The 'Line Length' icon in the right-hand toolbar is also circled in red. The main workspace displays two pattern pieces, CH1/L1 and CH2/L1, with measurement lines and arrows. Two 'Grade Measure Line' dialog boxes are open, one for each piece, displaying measurement data for various sizes.

Size	L1/LADL...	Total	Size ...
8/R/N	18.526	18.526	
10/R/N	18.526	18.526	0.000
12/R/N	18.526	18.526	0.000
14/R/N	18.526	18.526	0.000
16/R/N	18.526	18.526	0.000
18/R/N	18.526	18.526	0.000
20/R/N	18.526	18.526	0.000

Size	L1/LADL...	Total	Size Df...	Differe...	Over...
8/R/N	18.532	18.532		-0.007	
10/R/N	18.532	18.532	0.000	-0.007	0.000
12/R/N	18.532	18.532	0.000	-0.007	0.000
14/R/N	18.532	18.532	0.000	-0.007	0.000
16/R/N	18.532	18.532	0.000	-0.007	0.000
18/R/N	18.532	18.532	0.000	-0.007	0.000
20/R/N	18.532	18.532	0.000	-0.007	0.000

If you choose to display grading on the pieces in the work area using the Grade – View – Active Sizes or the Grade – View – Selected Sizes functions, the Grade – Measure functions will reflect the measurements of all the displayed sizes.

The screenshot shows the Gerber Technology software interface. The 'Grade' menu is circled in red, and the 'Line Length' tool is also circled in red. Two 'Grade Measure Line' dialog boxes are open, displaying tables of size measurements for 'CH1/L1' and 'CH2/L1'.

Grade Measure Line (CH1/L1)

Size	L1/LADI...	Total	Size ...
8/S/N	16.526	16.526	
8/R/N	18.526	18.526	2.000
8/L/N	20.526	20.526	2.000
10/S/N	16.526	16.526	-4.000
10/R/N	18.526	18.526	2.000
10/L/N	20.526	20.526	2.000
12/S/N	16.526		
12/R/N	18.526		
12/L/N	20.526		
14/S/N	16.526		
14/R/N	18.526		
14/L/N	20.526		
16/S/N	16.526		
16/R/N	18.526		
16/L/N	20.526		
18/S/N	16.526		
18/R/N	18.526		
18/L/N	20.526		
20/S/N	16.526		
20/R/N	18.526		
20/L/N	20.526		

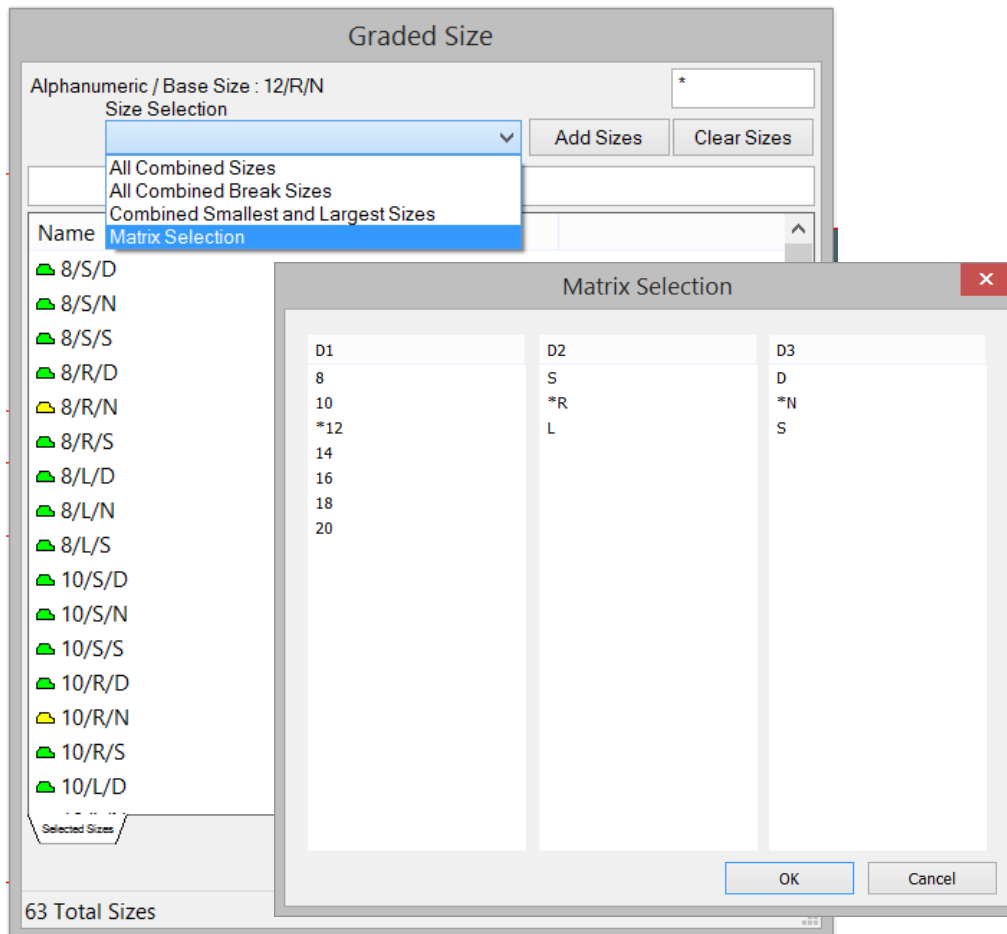
Grade Measure Line (CH2/L1)

Size	L1/LADI...	Total	Size D...	Differe...	Over...
8/S/N	16.532	16.532		-0.007	
8/R/N	18.532	18.532	2.000	-0.007	0.000
8/L/N	20.532	20.532	2.000	-0.007	0.000
10/S/N	16.532	16.532	-4.000	-0.007	0.000
10/R/N	18.532	18.532	2.000	-0.007	0.000
10/L/N	20.532	20.532	2.000	-0.007	0.000
12/S/N	16.532	16.532	-4.000	-0.007	0.000
12/R/N	18.532	18.532	2.000	-0.007	0.000
12/L/N	20.532	20.532	2.000	-0.007	0.000
14/S/N	16.532	16.532	-4.000	-0.007	0.000
14/R/N	18.532	18.532	2.000	-0.007	0.000
14/L/N	20.532	20.532	2.000	-0.007	0.000
16/S/N	16.532	16.532	-4.000	-0.007	0.000
16/R/N	18.532	18.532	2.000	-0.007	0.000
16/L/N	20.532	20.532	2.000	-0.007	0.000
18/S/N	16.532	16.532	-4.000	-0.007	0.000
18/R/N	18.532	18.532	2.000	-0.007	0.000
18/L/N	20.532	20.532	2.000	-0.007	0.000
20/S/N	16.532	16.532	-4.000	-0.007	0.000
20/R/N	18.532	18.532	2.000	-0.007	0.000
20/L/N	20.532	20.532	2.000	-0.007	0.000

Create Graded Size with Multi-Dimensional Grading

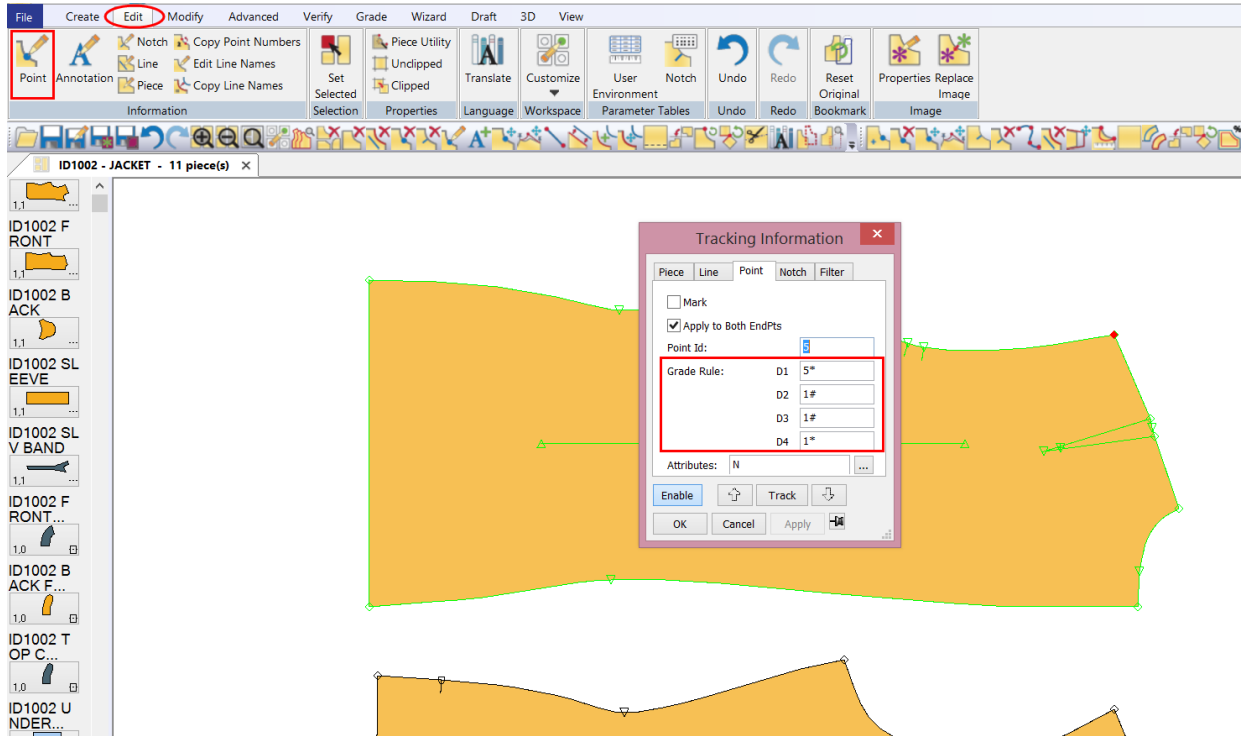
When using the Create – Piece – Graded Size function with multi-dimensional grading, the user is presented with a dialog box that contains all the combined sizes defined as “active” within the Model Editor. The user is allowed to select one size from the list of combined sizes in order to create a new pattern.

A new “Size Selection” dropdown box has been added to this function in order to assist navigating through a large number of combined sizes. One of the options available in this dropdown box is called “Matrix Selection” which allows the user to select the combined size using the control key and selecting one size from each dimension for the new piece.



Edit Point with Multi-Dimensional Grading

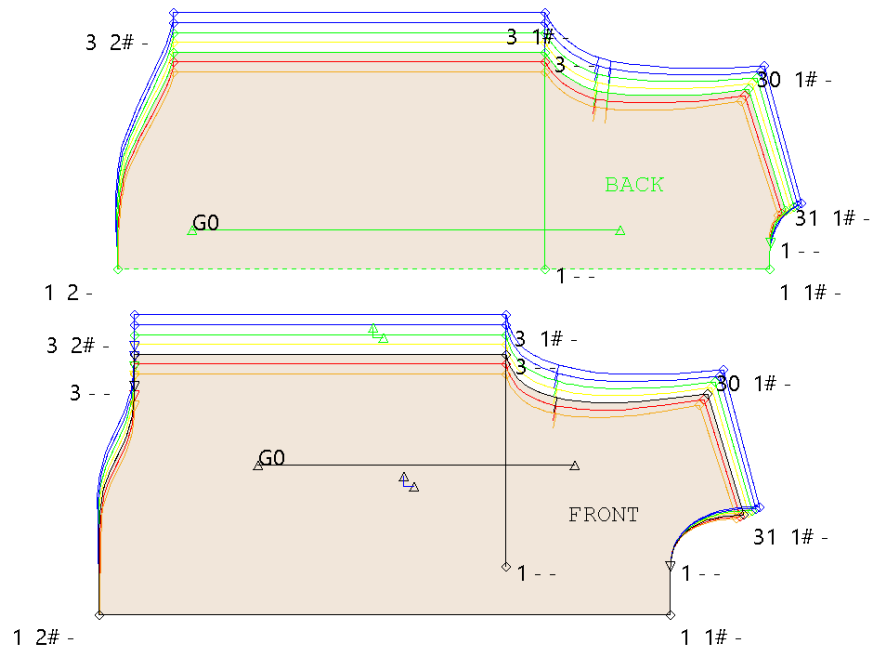
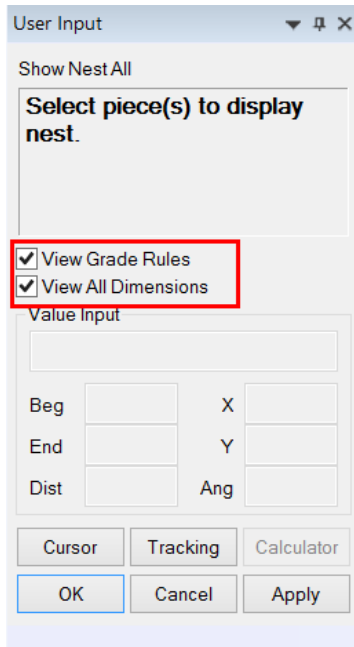
The Edit – Point function allows the user to view, input or change the grade rule for any grade dimension that has been assigned using the Grade – Size Line – Assign Rule Table function.



Displaying Grade Rule Numbers with Multi-Dimensional Grading

The View – Point – Grade Rules function will display the grade rule number for active grade dimension only.

To view all grade rules of all dimensions, select both the View Grade Rules checkbox and View All Dimensions checkbox in the Grade – View – All Sizes function.



If a point is not graded in all dimensions, a dash will be displayed for that dimension.

The grade rule numbers will remain displayed on the screen until the checkboxes are de-selected, or the display is turned off in the View – Point – Grade Rules function.

Copying Grade Rules with Multi-Dimensional Grading

The Grade – Modify – Copy function allows the user to copy the grade rule from just the active grade dimension or copy the grade rules for all grade dimensions. The “All Grade Dimensions” checkbox has been added to the Copy Grade Rule function that can be checked to copy the rules from all grade dimensions from one grade point to another.

User Input
▼ 🔍 ✕

Copy Grade Rule

Select reference point or piece.

Apply Rules to Joined End Pts

Individual

Both if Same

Always Both

Filter Pts to Apply Rules

Perimeter points

Internal points

All Grade Dimensions

Value Input

Beg	<input style="width: 90%;" type="text"/>	X	<input style="width: 90%;" type="text"/>
End	<input style="width: 90%;" type="text"/>	Y	<input style="width: 90%;" type="text"/>
Dist	<input style="width: 90%;" type="text"/>	Ang	<input style="width: 90%;" type="text"/>

Cursor

Tracking

Calculator

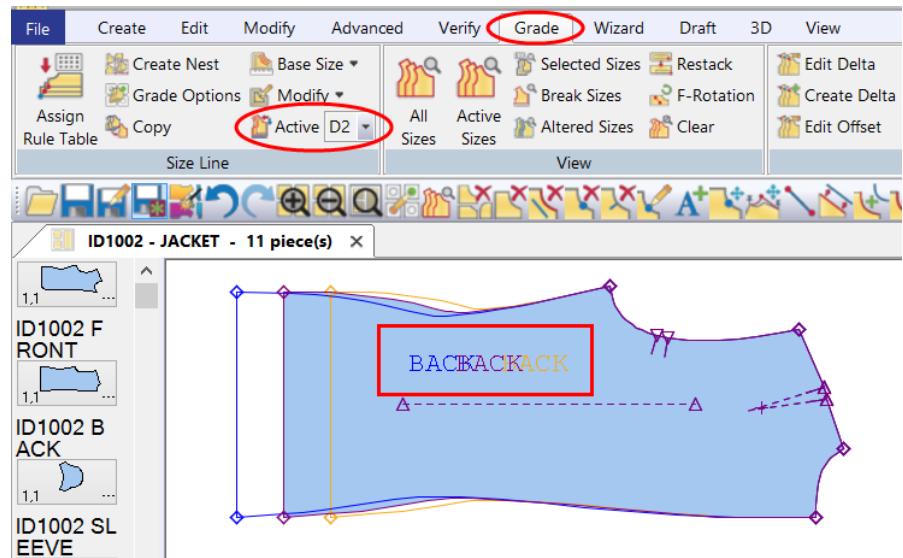
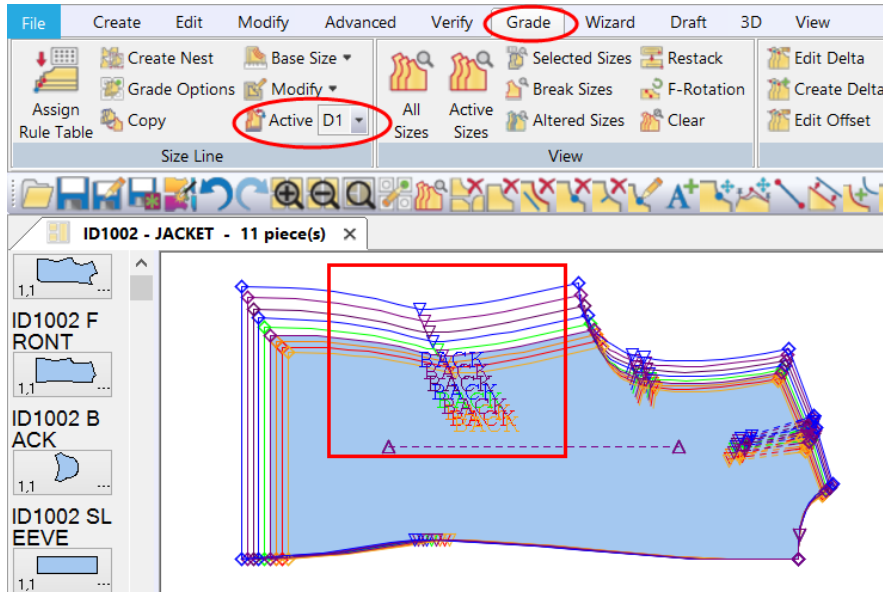
OK

Cancel

Apply

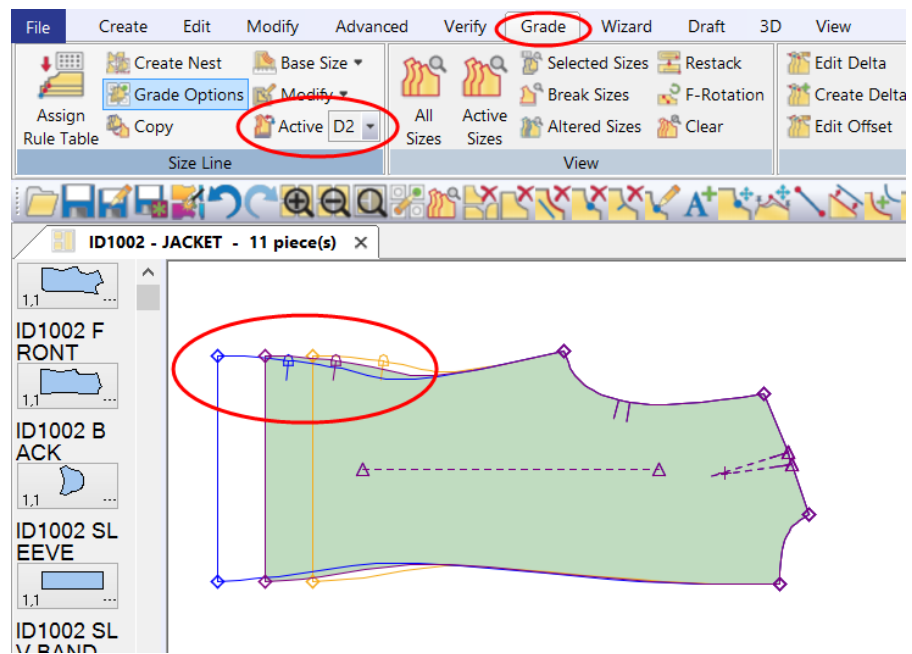
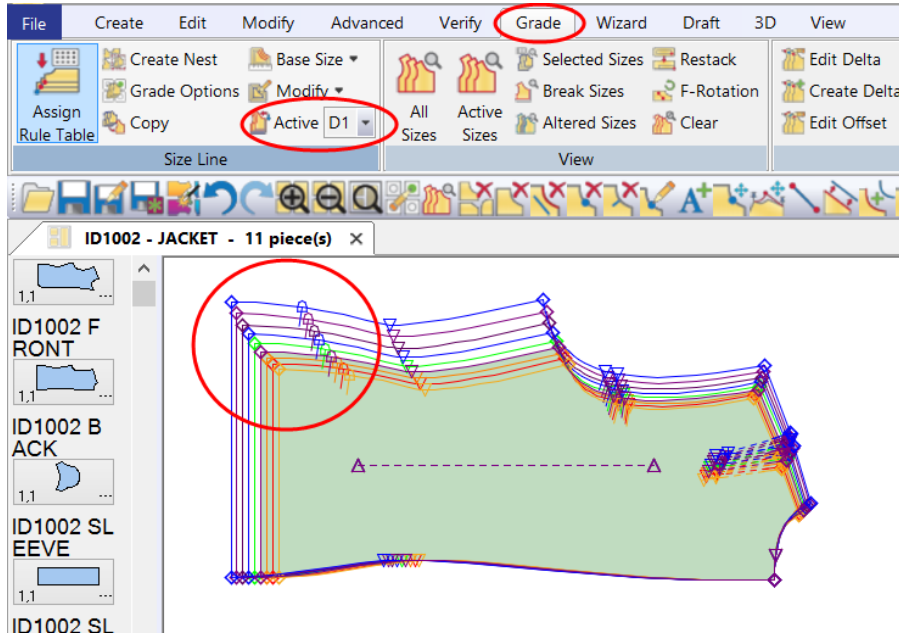
PDS Annotation in Multi-Dimensional Grading

Annotation added in PDS can be graded for each dimension. The grade rule added in the Annotation dialog box applies to the current active grade dimension only, which allows the user to grade the annotation differently for each grade dimension.



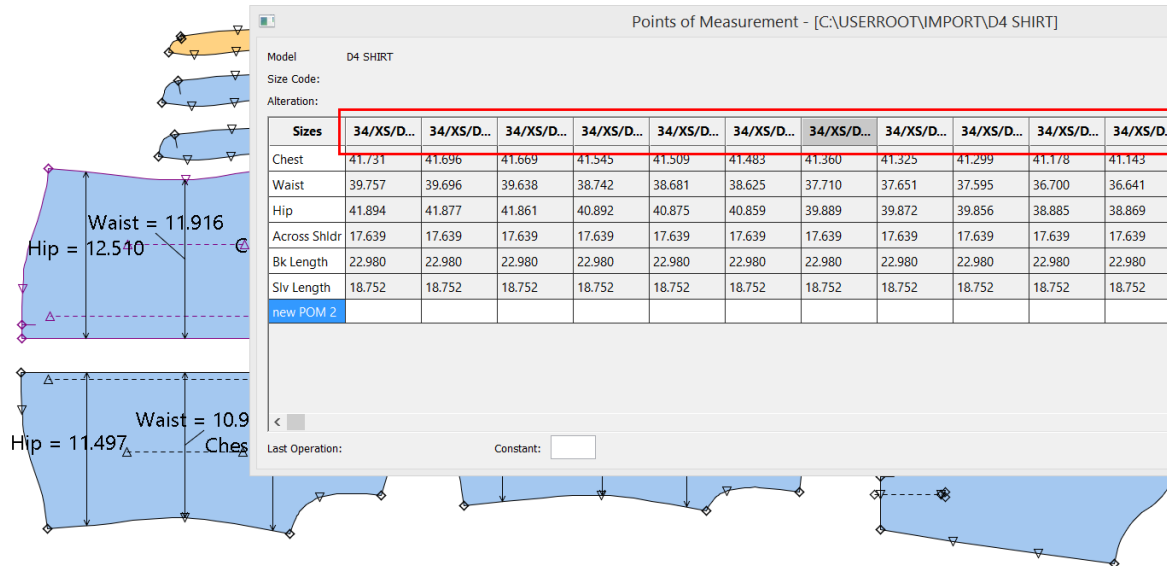
Tangent Notches in Multi-Dimensional Grading

Tangent Notches follow the grade of the reference point for each dimension. If the reference point is not graded in a dimension, the reference notch will also not have any grade.



Measurement Charts with Multi-Dimensional Grading

Measurement Charts work in conjunction with multi-dimensional grading. All combined sizes show in the measurement charts generated once all grade dimensions have been defined on the pieces in the model.



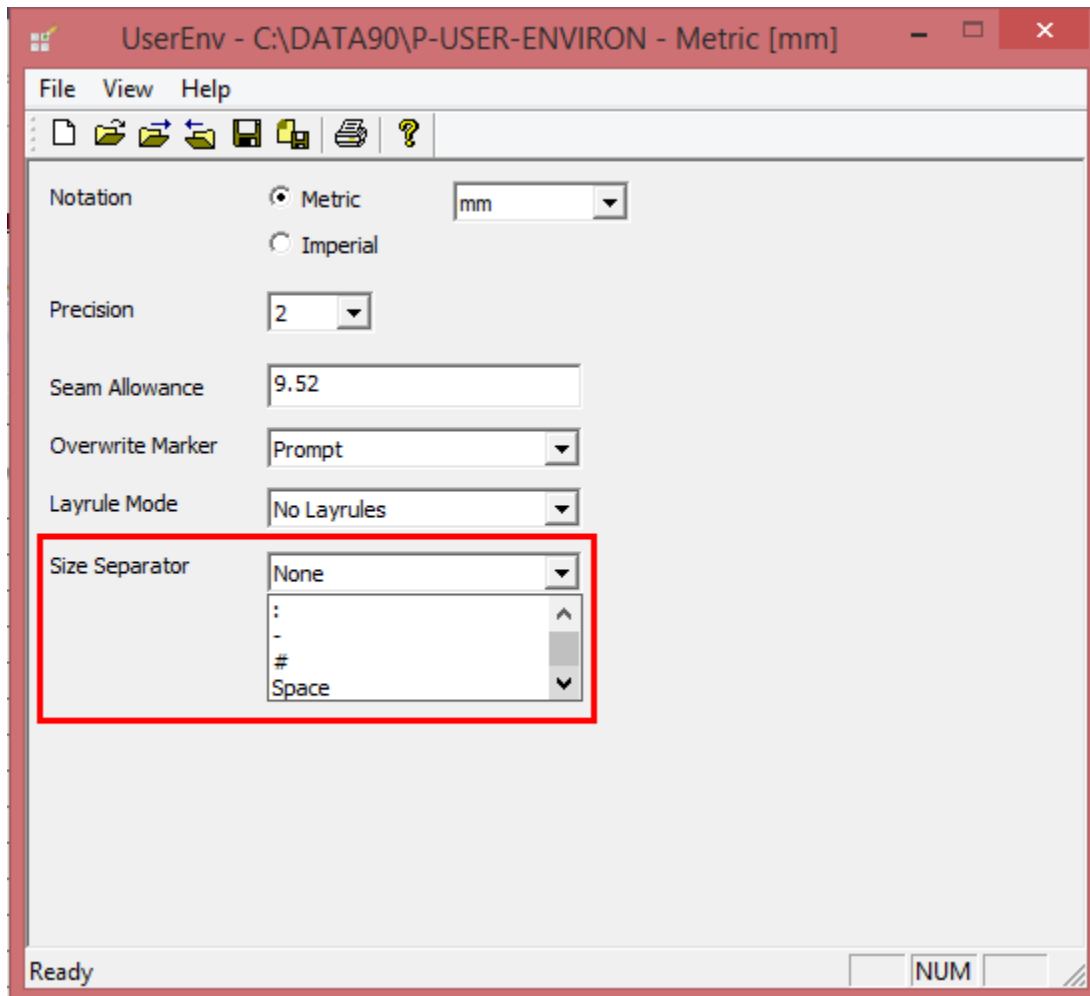
Additional PDS Functionality with Multi-Dimensional Grading

- The Wizard Measurement charts will also only display measurements from the first (primary) grade dimension.
- The Process Costing Marker function will only allow the user to select from a list of combined sizes selected as “active” in the Model Editor.
- For plotting pieces from PDS, the user can choose any combination of sizes to plot. Simply select the Grade - View - Selected Sizes to display the desired sizes to plot and set the “Plot Grade Sizes to Use” to “Display” in the Preferences Dialog box under the Plot tab.

Multi-Dimensional Grading Details for the AccuMark system

Size Separator Selected in User Environment

The user has the ability to select a size separator from an available symbol list within the User Environment table. The user can also select the option of not using a size separator by selecting “None” in the User Environment table. The separator character selected will show in any dialog box that shows a list of combined sizes from all grade dimensions. The maximum number of characters in the concatenated size string is 30, which will need to include the size separators. The default separator is a slash (/).



Model Editor with Multi-Dimensional Grading

In the Model Editor you have the ability to select the Active Sizes from all four grade dimensions.

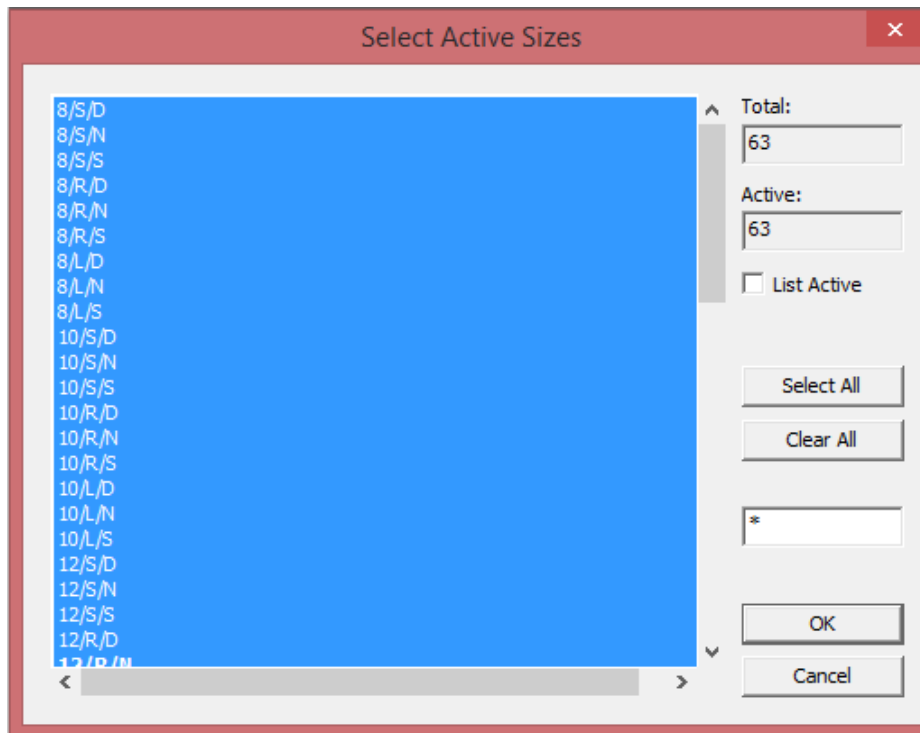
When the user selects the Active Sizes function from the Edit menu, the “Select Active Sizes” dialog box shows the list of combined sizes of all grade dimensions.

In order to edit the “Active Sizes” from the Model, all the pieces within the model must have the same grade rule tables assigned to them.

The screenshot shows the Gerber Technology software interface. The 'Edit' menu is open, and 'Active Sizes...' is highlighted. The main window displays a table of garment pieces and various toolbars.

	Piece Name	Piece Image	Piece Category	Piece Description	Paste	
1	LADIES-BLOUSE-BK		BACK	CUT1	<input type="checkbox"/>	M
2	LADIES-BLOUSE-COL		COLLAR	CUT2	<input type="checkbox"/>	M
3	LADIES-BLOUSE-CUFF		CUFF	CUT2	<input type="checkbox"/>	M


All sizes are automatically selected as active, but you can use the Clear All button or the control key or shift key to de-select or select the desired sizes to be “active”. You can also use the wildcard field to par down the list of sizes to select from and use the List Active button to show only the “active” sizes once they have been selected. Only the combined sizes selected as “active” will be available for ordering markers using the Classic Order Editor or the Easy Order Editor.



In the Model Options pages of the Model Editor, the sizes column supports the combined sizes from all grade dimensions.

Model - C:\DATA90\LADIES-BLOUSE - Imperial

File Edit View Option Help

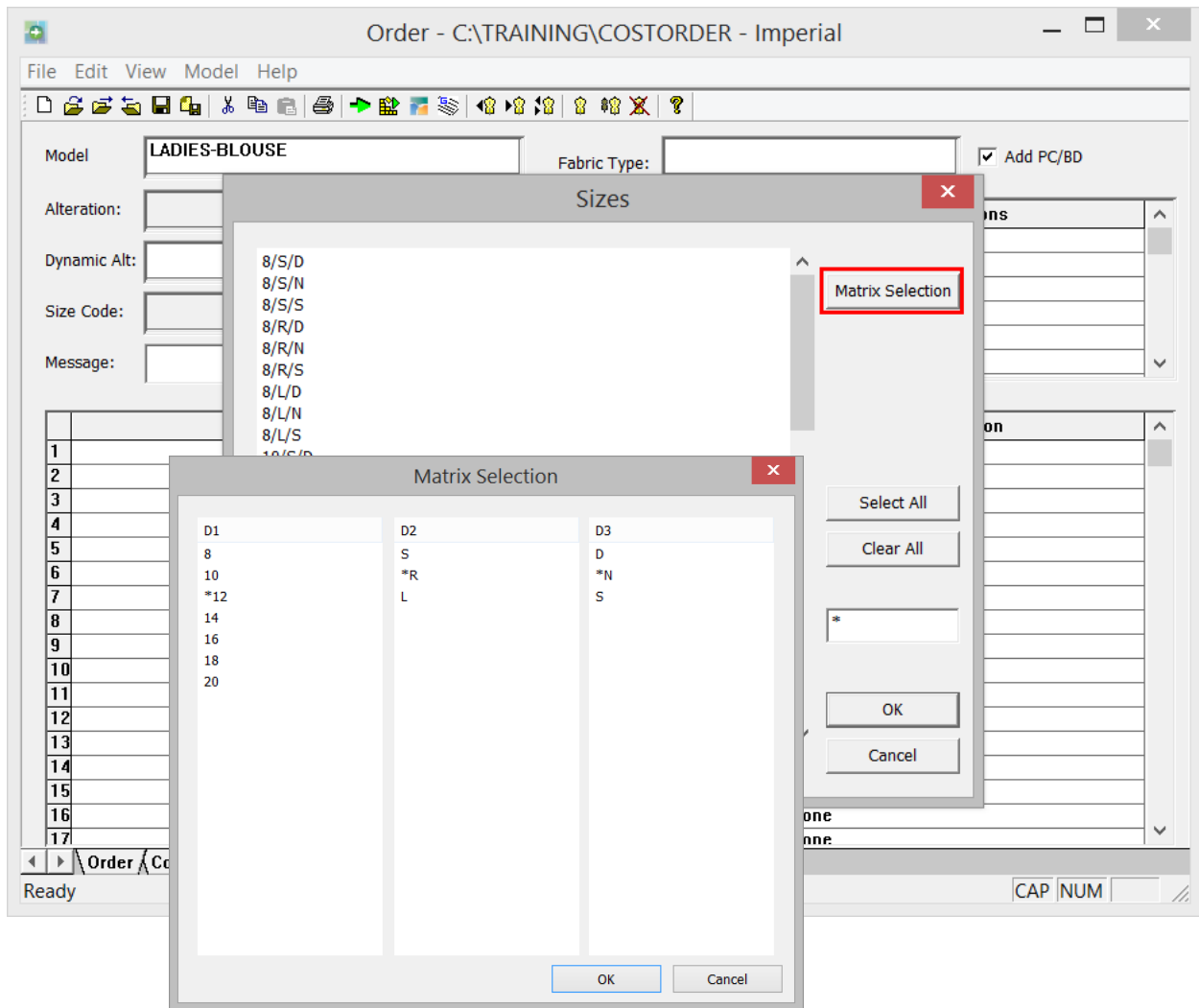
	Size	+/-	Piece Name	Piece Image	Piece Category	Piece Description	Paste	Fabric				Fi		
1	8/S/S	+	LADIES-BLOUSE-BK		BACK	CUT1	<input type="checkbox"/>	F					4	4
2	=	+					<input type="checkbox"/>							
3	=	+					<input type="checkbox"/>							
4	=	+					<input type="checkbox"/>							
5	=	+					<input type="checkbox"/>							
6	=	+					<input type="checkbox"/>							
7	=	+					<input type="checkbox"/>							
8	=	+					<input type="checkbox"/>							
9	=	+					<input type="checkbox"/>							
10	=	+					<input type="checkbox"/>							

Model \3D Garment Info \TEST /

Classic Order Editor with Multi-Dimensional Grading

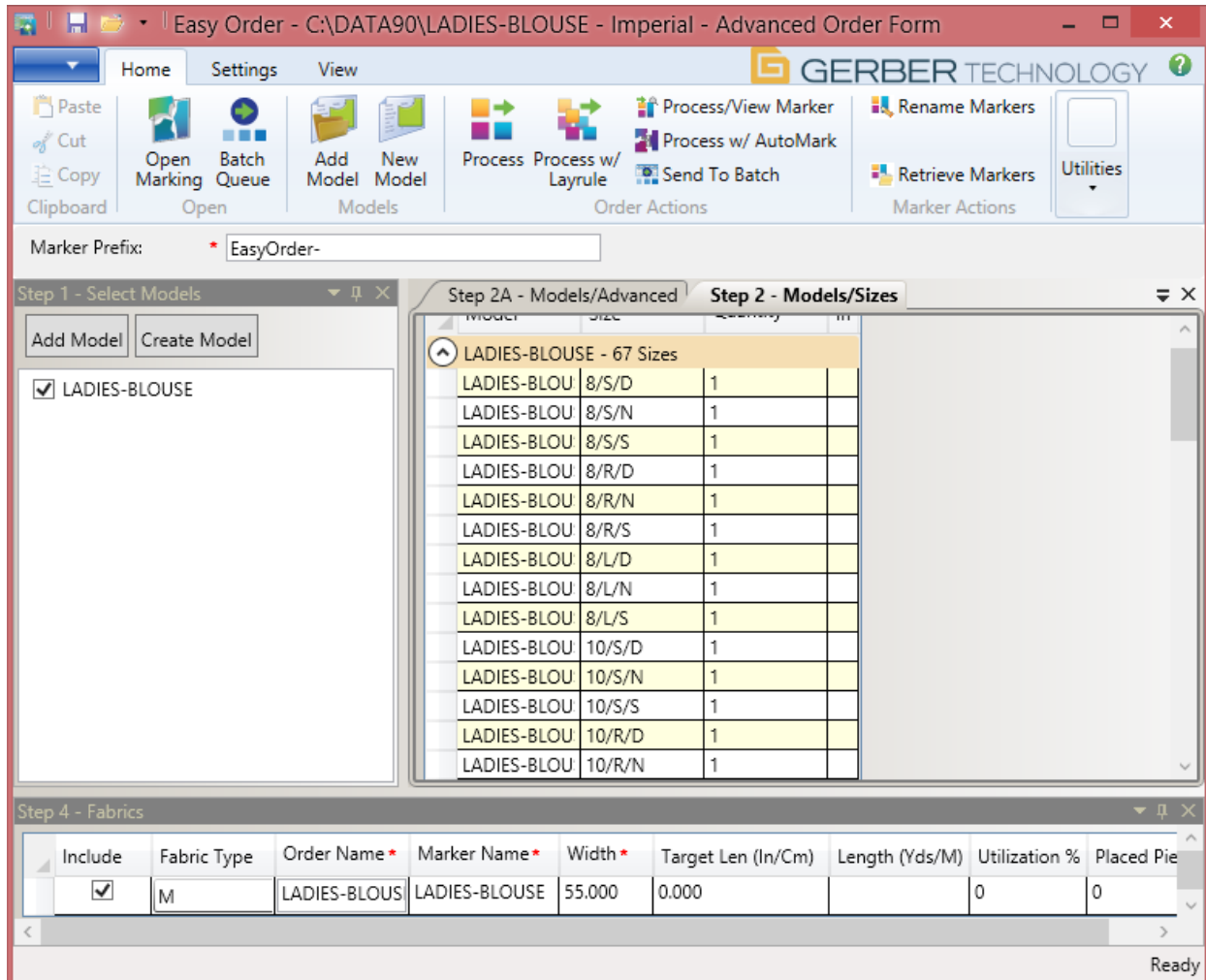
In the classic Order Editor, Models page, the user has the option of either typing the size to be ordered into the size field or selecting the size using the lookup table. The user can type the size and access all dimensions of grading by simply typing in the desired (active) combined size including the size separator indicated in the User Environment table (if any).

- If the lookup option is used to select the ordered size, all available (active) size combinations of all grade dimensions are displayed using the size separator indicated in the User Environment table. The user has the ability to select as many sizes as desired for the order using the shift key and/or control key.
- The number of sizes listed can be filtered with the wildcard to minimize the number of sizes shown at one time.
- A Matrix Selection button has also been added to view and select the sizes using the same matrix method used in PDS.



Easy Order Editor with Multi-Dimensional Grading

In the Easy Order Editor, the Model/Sizes tab lists all available (active) size combinations of all grade dimensions. The length of the list can be controlled by selecting only the desired sizes as “active” in the Active Sizes function in the Model Editor.



Easy Marking with Multi-Dimensional Grading

In Marker Making the sizes are displayed as ordered with the full size name of the combined sizes from all grade dimension and the size separators that were currently selected when the order was processed.

JKT DG TEST-2 X

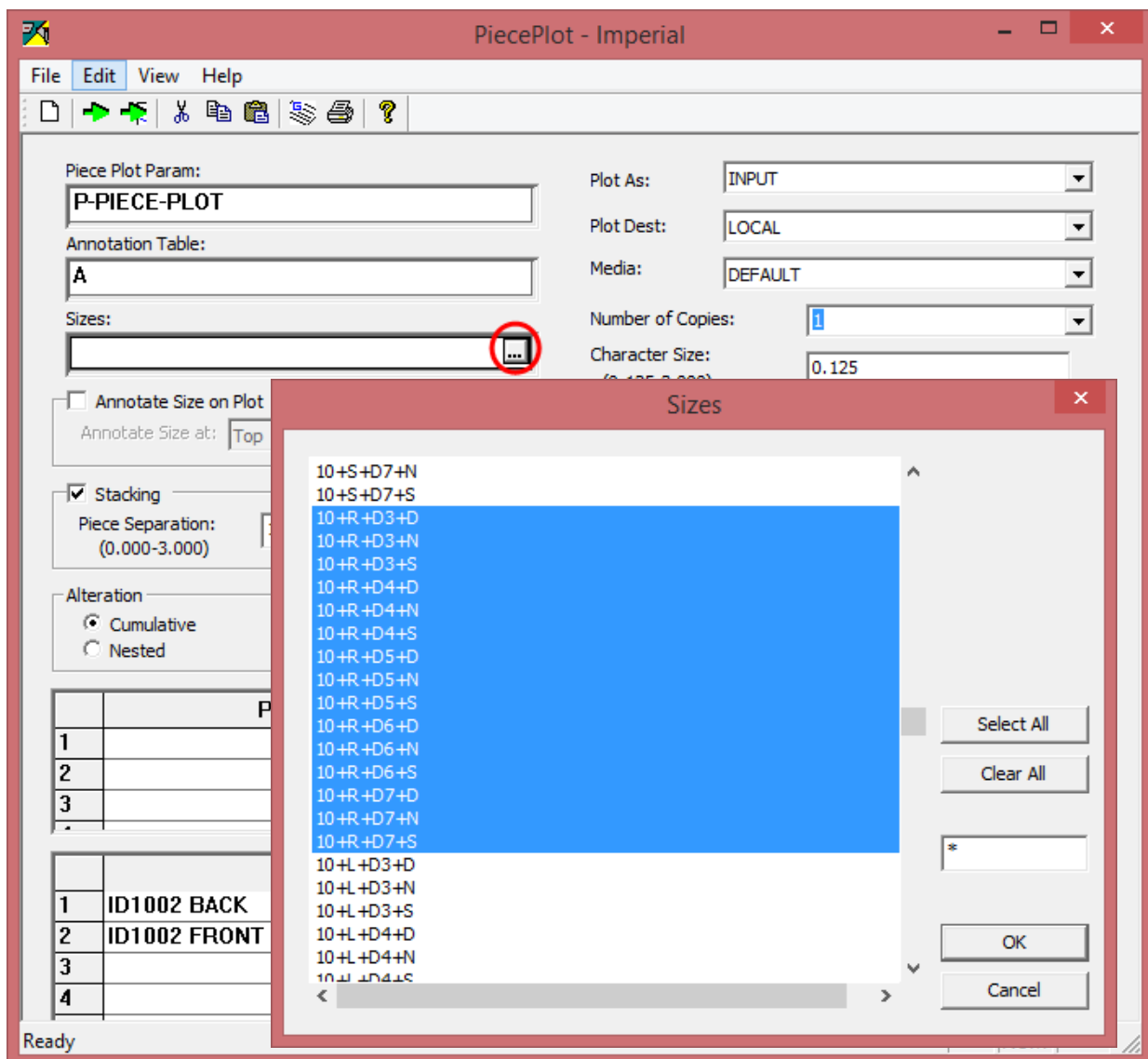
1/1

1- 2+R+D3...	A	0	0	0	0	0	0	0	0	0
1- 8+L+D7...	B	0	0	0	0	0	0	0	0	0
1- 14+S+D...	C	0	0	0	0	0	0	0	0	0

Piece Plotting with Multi-Dimensional Grading

For Piece Plotting from AccuMark Explorer, just as in the Classic Order Editor, the user has the option of either typing the sizes into the size field or selecting the size using the lookup table.

- The user can type the size (or sizes) and access all dimensions of grading by simply typing in the desired combined sizes separated by a comma.
- Using the lookup table, all available (active) size combinations of all grade dimensions are displayed and the user has the ability to select as many sizes as desired for plotting using the shift key and/or control key.
- The number of sizes listed can be filtered with the wildcard to minimize the number of sizes shown at one time.



Reports with Multi-Dimensional Grading

In AccuMark Reports the sizes are displayed with the full-size name of the combined sizes from all grade dimension and the size separators that are stored with the models and pieces. The title displays the unit, incorporating the new millimeters option from P-User-Environ tables.

- All Pieces:

REPT MODEL PIECE REPORT - C:\ECI - Metric [mm]

File Edit View Help

Piece Name	DESCRIP	CATEGORY	RULE TABLE	Base Size	Smallest Size	PIECE X	PIECE Y	Fabric
LADIES-BLOUSE-BK	CUT1	BACK	A1-LADIES, SRL, SHLDR	12/R/N	8/S/D	848.07	550.73	M
LADIES-BLOUSE-COL	CUT2	COLLAR	A1-LADIES, SRL, SHLDR	12/R/N	8/S/D	88.46	428.24	M,F
LADIES-BLOUSE-CUFF	CUT2	CUFF	A1-LADIES, SRL, SHLDR	12/R/N	8/S/D	235.00	49.99	M,F
LADIES-BLOUSE-FR	CUT2	FRONT	A1-LADIES, SRL, SHLDR	12/R/N	8/S/D	818.03	330.49	M
LADIES-BLOUSE-SL	CUT2	SLEEVE	A1-LADIES, SRL, SHLDR	12/R/N	8/S/D	568.63	522.81	M

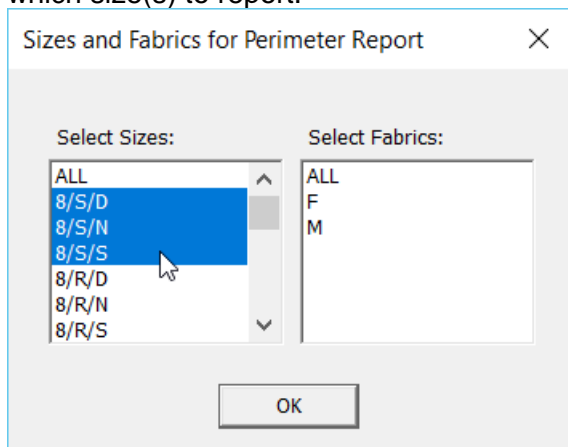
- All Model for the model options:

REPT Model Report - C:\ECI - Metric [mm]

File Edit View Help

Model Name	Option	Size	+/-	Piece Description	Piece Category	Fabric Code
LADIES-BLOUSE				CUT1	BACK	M
LADIES-BLOUSE				CUT2	COLLAR	M,F
LADIES-BLOUSE				CUT2	CUFF	M,F
LADIES-BLOUSE				CUT2	FRONT	M
LADIES-BLOUSE				CUT2	SLEEVE	M
LADIES-BLOUSE	TEST	=8/S/S	+	CUT1	BACK	F

- Piece Perimeter where the user's presented with the dialog box to optionally choose which size(s) to report:



- And thus, in the report output:

REPT Model Piece Perimeter Report - C:\ECI\LADIES-BLOUSE - Metric [mm]

File Edit View Help

PIECE	SIZES	Fabric Code	STRAIGHT	CURVED	TOTAL	Area	Total Area
LADIES-BLOUSE-BK	8/S/D	M	1686.71	660.92	2347.63	0SQ M350416.03	0SQ M350416.03
LADIES-BLOUSE-BK	8/S/N	M	1686.71	660.92	2347.63	0SQ M350416.03	0SQ M350416.03
LADIES-BLOUSE-BK	8/S/S	M	1686.71	660.92	2347.63	0SQ M350416.03	0SQ M350416.03
TOTAL			5060.13	1982.76	7042.89	1SQ M051248.09	1SQ M051248.09
LADIES-BLOUSE-COL	8/S/D	M,F	1038.17	825.64	1863.82	0SQ M028811.65	0SQ M057623.30
LADIES-BLOUSE-COL	8/S/N	M,F	1038.17	825.64	1863.82	0SQ M028811.65	0SQ M057623.30
LADIES-BLOUSE-COL	8/S/S	M,F	1038.17	825.64	1863.82	0SQ M028811.65	0SQ M057623.30
TOTAL			3114.51	2476.92	5591.46	0SQ M086434.95	0SQ M172869.90
LADIES-BLOUSE-CUFF	8/S/D	M,F	1140.18	0.00	1140.18	0SQ M011748.70	0SQ M023497.39
LADIES-BLOUSE-CUFF	8/S/N	M,F	1140.18	0.00	1140.18	0SQ M011748.70	0SQ M023497.39
LADIES-BLOUSE-CUFF	8/S/S	M,F	1140.18	0.00	1140.18	0SQ M011748.70	0SQ M023497.39
TOTAL			3420.54	0.00	3420.54	0SQ M035246.10	0SQ M070492.17
LADIES-BLOUSE-FR	8/S/D	M	3140.66	870.25	4010.91	0SQ M199910.37	0SQ M399820.74
LADIES-BLOUSE-FR	8/S/N	M	3140.66	870.25	4010.91	0SQ M199910.37	0SQ M399820.74
LADIES-BLOUSE-FR	8/S/S	M	3140.66	870.25	4010.91	0SQ M199910.37	0SQ M399820.74
TOTAL			9421.98	2610.75	12032.73	0SQ M599731.11	1SQ M199462.22
LADIES-BLOUSE-SL	8/S/D	M	2161.34	1311.69	3473.03	0SQ M200767.03	0SQ M401534.06
LADIES-BLOUSE-SL	8/S/N	M	2161.34	1311.69	3473.03	0SQ M200767.03	0SQ M401534.06
LADIES-BLOUSE-SL	8/S/S	M	2161.34	1311.69	3473.03	0SQ M200767.03	0SQ M401534.06
TOTAL			6484.02	3935.07	10419.09	0SQ M602301.09	1SQ M204602.18
LADIES-BLOUSE			27501.18	11005.50	38506.71	2SQ M374961.34	3SQ M698674.56

- Model Size Line:

REPT MODEL SIZE-LINE REPORT - C:\ECI\LADIES-BLOUSE - Metric [mm]

File Edit View Help

Model Name	Size	DATE	User Last Mod	Creat
LADIES-BLOUSE	10/S/D	6/1/2018 4:40:08 PM	Amy.Masse	7/11/1
LADIES-BLOUSE	10/S/N	6/1/2018 4:40:08 PM	Amy.Masse	7/11/1
LADIES-BLOUSE	10/S/S	6/1/2018 4:40:08 PM	Amy.Masse	7/11/1



- One Piece:

SINGLE PIECE REPORT

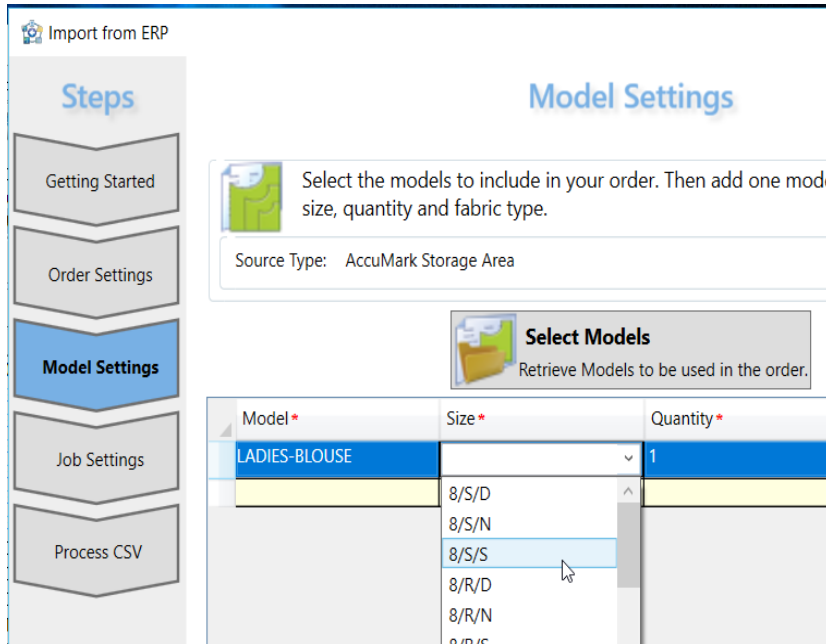
file:///C:/userroot/temp/059bec6f.htm

Piece	LADIES-BLOUSE-BK	Storage Area	C:ECI	Notation	Metric [mm]
Category	BACK	Descrip	CUT1		
Rule Table	A1-LADIES,SRL,SHLDR	Rule Type	ALPHANUMERIC	Piece Type	MIRRORED
Date	6/1/2018 4:40:08 PM	Byte Size	8673	Area	416004.31 SQ MM
Total Perimeter	2558.80 MM	Straight Perimeter	1745.75 MM	Curved Perimeter	813.06 MM
Total Internals	300.77 MM	Straight Internals	300.77 MM	Curved Internals	0.00 MM
Total Points	79	Grade Points	16	Corners	12
Total Internals	4	One Point Int	0	Multi-point	4
Base Size	12/R/N	Smallest Size	8/S/D	Size Step	2

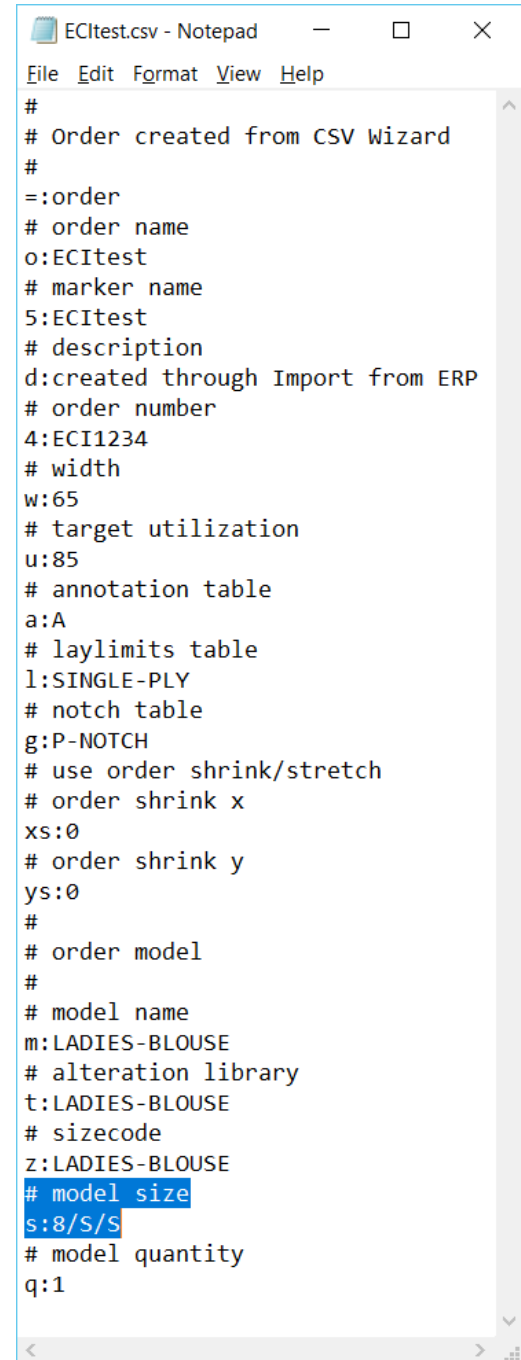
Import from ERP with Multi-Dimensional Grading

Import from ERP has been updated to accommodate the new multi-dimensional grading. Easily use this process to create sample files that you can use as guidelines for importing data from an ERP system.

In this example, the source type is set to AccuMark Storage Area and it created a sample CSV Order



Model*	Size*	Quantity*
LADIES-BLOUSE	8/S/S	1



```
#
# Order created from CSV Wizard
#
=:order
# order name
o:ECItest
# marker name
5:ECItest
# description
d:created through Import from ERP
# order number
4:ECI1234
# width
w:65
# target utilization
u:85
# annotation table
a:A
# laylimits table
l:SINGLE-PLY
# notch table
g:P-NOTCH
# use order shrink/stretch
# order shrink x
xs:0
# order shrink y
ys:0
#
# order model
#
# model name
m:LADIES-BLOUSE
# alteration library
t:LADIES-BLOUSE
# sizecode
z:LADIES-BLOUSE
# model size
s:8/S/S
# model quantity
q:1
```

CSV Tools with Multi-Dimensional Grading

CSV Tools including CSV Import, CSV Query and CSV Reports have been enhanced to incorporate the new multi-dimensional graded sizes.

Using the sample order just created through Import from ERP above, bring it into an AccuMark storage area using CSV Import:

Import CSV File

Text File (Source)
C:\Users\sue.carrier\Documents\AM-11.0\ECI\ECitest.csv

Storage Area (Destination)
C: ECI

Options
 Automatic Overwrite
 Delete Text File After Import

Run Close

Order - C:\ECI\ECITEST - Metric [mm]

File Edit View Model Help

Marker Name: ECITEST

Order Number: ECI1234

Description: CREATED THROUGH IMPOR

Lay Limits: SINGLE-PLY

Order - C:\ECI\ECITEST - Metric [mm]

File Edit View Model Help

Model: LADIES-BLOUSE

Fabric Type:

Alteration:

Dynamic Alt:

Size Code:

Message:

Master Type
 Halfpiece
 Cutdown
 None

	Size	Quantity
1	8/S/S	1
2		
3		

Data Conversion Enhancement with Multi-Dimensional Grading

Multi-Dimensional Grade Supported with Investronica Files

Conversions with Investronica native file format will now import with multi-dimension grading if stored within the piece. There is no import setting required to import the additional grade dimensions. If the file has multi-dimensional grade available, it will import to AccuMark automatically either using the Data Conversion Utility or Pattern Design.

Once imported, to view the available grade dimensions:

1. From the **Grade** tab, select **Active** Dimension to view (D1, D2, D3, D4).
2. As the different dimensions are selected, the updated size line will display in the Information Bar located in the bottom of the Pattern Design work area.



Dim	Investronica	AccuMark
D1	42-76	
D2	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	
D3	B, C, R, L, A	
D4	0, 1, 2, 3, 4, 5	

Known Limitations and Best Practices of Multi-Dimensional Grading

- Alteration and Size Code tables are not currently supported in conjunction with multi-dimensional grading.
- AccuPlan orders and XML files are not currently supported in conjunction with multi-dimensional grading.
- Alter Piece Perimeter Report and Model Size Code Report are not supported with multi-dimensional grading.
- For best results when working in PDS, keep grade dimension 1 (D1) as active dimension when working with Advanced functions such as seam allowance, pleats, darts, and fullness.
- For best results when working in PDS, use the Grade – View – Selected Sizes function to view a large number of combined sizes, but do not keep a large number of combined sizes visible on the screen while using other functions in PDS as it will slow down the functionality.

A copy of the complete AccuMark Explorer Function map is also available in the folder Training Docs\AccuMark Documentation on the AccuMark Family DVD (or software download)

AccuMark Explorer Function Map: 8.5.1/V9.0.0 to 10.0

V8.5 / V9.0 LaunchPad	V10 AccuMark Explorer or alternate method
<i>Pattern Processing, Digitizing, PDS</i>	
Pattern Design	Win8: tile/mosaic; Win7: desktop icon Ribbon + Process + Pattern Design + Pattern Design If Default Open Options for Default Model Open Option set to Pattern Design, then application is opened with double-click on model data item Right click on model or piece: Open With + Pattern Design ...
<i>new</i>	Ribbon + Process + Pattern Design + AccuScan
Edit Digitize	Ribbon + Process + Pattern Design + Digitize Data Editor
Grade Rule Editor	Ribbon + Process + Pattern Design + Grade Rule
Import User Settings	File + Options + User Settings + PDS User Settings + Import Settings
Export User Settings	File + Options + User Settings + PDS User Settings + Export Settings
<i>Marker Creation, Editors</i>	
Easy Marking	Win8: tile/mosaic; Win7: desktop icon Ribbon + Process + Order and Marking + Easy Marking Right click on marker: Open With Easy Marking ... If Default Open Options for Default Marker Open Option set to Easy Marking, then application is opened with double-click on marker data item

Model Editor	File + New + Model Right click on model or piece: Open With + Model Editor If Default Open Options for Default Model Open Option set to Model, then application is opened with double-click on model data item
LayLimit Editor	File + New + Lay Limits Double-click on lay limit data item in storage area
Notch Editor	File + New + Parameter Table + Notch Double-click on notch data item in storage area
Block Buffer	File + New + Block Buffer Double-click on block buffer data item in storage area
Order Process	N/A
Order Editor	File + New + Order Right click on order: Open With + Order Editor If Default Open Options for Default Order Open Option set to Order Editor then application is opened with double-click on order data item
Annotation	File + New + Annotation Double-click on annotation data item in storage area
Alteration	File + New + Alteration Double-click on alteration data item in storage area
Layrule Search	File + New + Parameter Table + Layrule Search Double-click on layrule search data item in storage area
Sizecode	File + New + Size Code Double-click on size code data item in storage area
AutoMark Edit	Ribbon + Process + Order and Marking + AutoMark Edit Right click on marker: Send To + AutoMark Edit
Matching	File + New + Matching Rules Double-click on matching rules data item in storage area
Easy Order	Ribbon + Process + Order and Marking + Easy Order

	Right click on model or order: Open With + Easy Order If Default Open Options for Default Order Open Option set to Easy Order then application is opened with double-click on order data item
Import Settings	File + Options + User Settings + Marker User Setting + Import Settings
Export Settings	File + Options + User Settings + Marker User Setting + Export Settings

Plotting and Cutting

Marker Plot	Ribbon + Output + Plotting + Cutting + Marker Plot Right click on marker: Send To->Plotter
Marker Plot Parameter	File + New + Parameter Table + Marker Plot Double-click on marker plot parameter table data item in storage area
Piece Plot	Ribbon + Output + Plotting + Cutting + Piece Plot Right click on model or piece: Send To->Plotter
Piece Plot Parameter	File + New + Parameter Table + Piece Plot Double-click on piece plot parameter table data item in storage area
Cut Generation	Ribbon + Output + Plotting and Cutting + Cut Generation Highlight marker data item: Ribbon + Process + Order and Marking + Generate Cut Data Right click on marker: Generate Cut Data
Cut Gen Parameter	File + New + Parameter Table + Cutter Double-click on cut generation parameter table data item in storage area
Cut Plot	Ribbon + Output + Plotting and Cutting + Cut Plot Right click on cut data item: Send To->Plotter

AccuMark Explorer, Utilities	
AccuMark Explorer	Win8: tile/mosaic; Win7: desktop icon
Hardware Configuration	File + Options + Hardware Configuration (contains all configurable peripherals as in previous versions)
AccuMark Utilities	<i>AccuMark Utilities options moved into AccuMark Explorer Ribbon or File-Options (see details below)</i>
Find	Ribbon + Home + Editing + Find
Activity Log	Ribbon View + Log + Activity Log
Data Conversion Utility	Ribbon + Process + Utilities + DCU
Easy Plan	Ribbon Process + Order and Marking + Easy Plan
Lconvert (V8.5 only)	N/A
CSV Tools	Ribbon + Automation + CSV Utilities + CSV Import Ribbon + Automation + CSV Utilities + CSV Query Ribbon + Automation + CSV Utilities + CSV Reports
Batch	Ribbon + Process + Order and Marking + Batch Processing Ribbon + Automation + Batch Automation + Batch Queue Ribbon + Automation + Add Jobs + Order Ribbon + Automation + Add Jobs + Marker Right-click on marker: Send To + Batch Right-click on order: Send To + Batch
Install License	N/A (new security: Admin Control Center)
User Environment	File + New + Parameter Table + User Environment Double-click on user environment data item in storage area

Documentation	
AccuMark documents	AccuMark V10 folder on the desktop, Documentation
CSV documents	AccuMark V10 folder on the desktop, Documentation

V8.5 / V9.0 AccuMark Explorer				V10 AccuMark Explorer or alternate method			
Menu	Submenu	Function Name	Location	Panel (in Ribbon)	Group / Drop-Down	Function Name	
<i>Drive/Device selected:</i>							
File	New	Storage Area... (V8.5 only)	File		New	V8 Storage Area...	
		V7 Storage Area... (V8.5 only)	N/A		<i>(not allowed to create V7 storage area)</i>		
File	New	V8 Storage Area... (V9.0 only)	File		New	V8 Storage Area...	
		V9 Storage Area... (V9.0 only)	File		New	V9 Storage Area...	
File	Print		File		Print		
File	Print Preview		File		Print Preview		
File	Print Setup		File		Print Setup		
File	Exit		File		Exit		
<i>Storage Area or Subfolder selected:</i>							
File	New	Alteration...	File		New	Alteration...	
File	New	Annotation...	File		New	Annotation...	
File	New	Block Buffer...	File		New	Block Buffer...	
File	New	Lay Limits...	File		New	Lay Limits...	
File	New	Matching Rules...	File		New	Matching Rules...	
File	New	Model...	File		New	Model...	
File	New	Order...	File		New	Order...	
File	New	Piece List...	File		New	Piece List...	
File	New	Rule Table...	File		New	Rule Table...	
File	New	Size Code...	File		New	Size Code...	
File	New	Parameter Table	File		New	Parameter Table	Cutter
File	New	Parameter Table	File		New	Parameter Table	Layrule Search
File	New	Parameter Notch	File		New	Parameter Table	Notch

		Table					
File	New	Parameter Table	Marker Plot	File	New	Parameter Table	Marker Plot
File	New	Parameter Table	Piece Plot	File	New	Parameter Table	Piece Plot
File	New	Parameter Table	User Environment	File	New	Parameter Table	User Environment

SQL Storage Area or Subfolder selected: (provided have not reached the limit # subfolders)

File	New	Subfolder	File	New	Subfolder
------	-----	-----------	------	-----	-----------

Userroot or SQL Storage Area or Subfolder data item(s) selected:

File	Import Zip	File	Export Zip
File	Export Zip	File	Import Zip
File	Export V8 Pieces to V7 (V8.5 only) Export V9 Models / Pieces to V8 (V9.0 or V10)	N/A <i>(not allowed to export to V7 storage area)</i>	File Export V9 Models / Pieces to V8

Userroot or SQL Storage Area or Subfolder selected:

File	Import	Import Plot	File	Import	Import Plot
File	Import	Import Digitize	File	Import	Import Digitize

Userroot or SQL Storage Area or Subfolder data item(s) selected:

Note: choices will vary depending on the type of data item(s) selected (valid choices for the selected data type will display)

Edit	Cut	Ribbon	Home	Clipboard	Cut	
Edit	Copy	Ribbon	Home	Clipboard	Copy	
Edit	Delete	Ribbon	Home	Clipboard	Delete	
Edit	Delete Components	Ribbon	Home	Clipboard	Delete w/ Components	
Edit	Paste	Ribbon	Home	Clipboard	Paste	
Edit	Paste Components	Ribbon	Home	Clipboard	Paste w/ Components	
Edit	Move Clipboard	<i>N/A (use drag and drop then 'move components')</i>				
Edit	Move Clipboard w/Components	<i>N/A (use drag and drop then 'move components')</i>				
Edit	Rename	Right click on data item: Rename				
Edit	Select All	Ribbon	Home	Clipboard	Select All	
Edit	Invert Selection	Ribbon	Home	Clipboard	Invert Selection	
View	Toolbar	Quick Access Toolbar in top / title bar				
View	Status Bar	Details Pane				
View	Large Icons	Ribbon	View	Layout	View Large Icons	
View	Small Icons	Ribbon	View	Layout	View Small Icons	
View	List	<i>N/A (use drag and drop then 'move components')</i>				
View	Details	Ribbon	View	Layout	View Details	
View	Auto Arrange	<i>N/A (use drag and drop then 'move components')</i>				
View	Line Up Icons	<i>N/A (use drag and drop then 'move components')</i>				
View	Refresh	Ribbon	View	Refresh	Refresh File List	
View	Refresh Storage Areas	Ribbon	View	Refresh	Refresh All	
View	Options	<i>in top section</i>				
View	Activity Log	Ribbon	View	Log	Activity Log	
<i>new</i>		Ribbon	View	Log	Batch Log	
View	Process Preferences	Plot Processing	Ribbon	Output	Plotting and Cutting	Piece Plot Options
			Ribbon	Output	Plotting and Cutting	Marker Plot Options

			Ribbon	Output	Plotting and Cutting	Cut Plot Options
View	Process Preferences	Cut Processing	Ribbon	Output	Plotting and Cutting	Cut Generation Options
View	Process Preferences	Digitize Processing Options	Ribbon	Process	Pattern Design	Digitize Options
View	Marker Report Options		Ribbon	Reports	Report Types	Marker Report Options
Tools	Find		Ribbon	Home	Editing	Find
Tools	Default Piece Open Options		File	Options	Default Open Options	Default Open Piece Option
Tools	Default Model Open Options		File	Options	Default Open Options	Default Open Model Option
Tools	Default Order Open Options		File	Options	Default Open Options	Default Open Order Option
Tools	Default Marker Open Options		File	Options	Default Open Options	Default Open Marker Option
<i>new</i>			File menu	Options	Default Open Options	Default Report Viewer Option
Utilities	Copy		Ribbon	Home	Utilities	Copy
Utilities	Move		Ribbon	Home	Utilities	Move
Utilities	Delete		Ribbon	Home	Utilities	Delete
Utilities	Rename		Ribbon	Home	Utilities	Rename

V8.5/V9 AccuMark Utilities			V10 AccuMark Explorer or alternate method				
Menu	Submenu	Function Name	Menu	File menu selection	Selection / Link to page	Group	Function Name
File		Exit	File		Exit		
Configuration	Multi Order Colors		N/A				
Configuration	Multi-Order Screen Format		N/A				
Configuration	Parameter Tables	Reset System Defaults	File	Options	Configuration	Default Parameter Tables	Reset System Defaults

		Set New Defaults	File	Options	Configuration	Default Parameter Tables	Set New Defaults	
Configuration	Hotkeys	Marker Making PDS Silhouette	<i>Assign Keys functionality</i> <i>Assign Keys functionality</i> N/A					
Configuration	Plotter Queue		File	Options	Configuration	Plotting	Plotter Queue	
Configuration	Plotter Settings		File	Options	Configuration	Plotting	Plotter Settings	
Configuration	7.3 Network Plotter		N/A					
Configuration	User Id		File	Options	User Settings	User Information	Use these initials	
<i>new</i>			File	Options	User Settings	User Information	Use Windows login	
Configuration	Network Parameters		N/A					
Configuration	SQL Support		File	Options	Configuration	SQL Configuration	SQL Support	
Configuration	License Configuration		File	Options	Configuration	License Configuration	Local	
Configuration	License Configuration		File	Options	Configuration	License Configuration	Server	
Configuration	License Configuration		File	Options	Configuration	License Configuration	Server Name (if Server selected)	
Configuration	License Configuration		<i>Install License</i>					
Configuration	E-Mail Configuration		<i>defaults to usable webmail or outlook</i>					
Configuration	Auto Update of Markers		File	Options	Configuration	Marking Options	Auto Update Marker	
Configuration	Disable Marker Making Overrides		File	Options	Configuration	Marking Options	Disable Marker Making Overrides	
Configuration	Maximize Yield (V9)		File	Options	Configuration	Marking Options	Maximize Yield	
Storage Area	Check		File	Options	Storage Areas	Check Storage Area	Check	
Storage Area	Check All		File	Options	Storage Areas	Check Storage Area	Check All Userroot	

Storage Area	Check All SQL	File	Options	Storage Areas	Check Storage Area	Check All SQL
Storage Area	Refresh SQL	Ribbon	View	Refresh	Refresh All / Refresh File List	
Storage Area	Upgrade Pre8.2 SQL to V8	File	Option	Storage Areas	Upgrade SQL Storage Area	Upgrade Pre 8.2 to V8
new		File	Option	Storage Areas	Upgrade SQL Storage Area	Upgrade Pre 8.2 to V9
Storage Area	Restore Last Schema	N/A				
Storage Area	Sync Relational Data	File	Option	Storage Areas	Sync SQL Storage Area to CAD Relational DB	Sync Relational Database
Storage Area	Delete	Right click on storage area, Delete				
Storage Area	Rename	Right click on storage area, Rename				
Storage Area	SQL Manager	File	Option	Storage Areas	SQL Manager	SQL Manager
Storage Area	Backup	File	Option	Storage Areas	Userroot Backups	Userroot Backup
Storage Area	Restore DOS Backup	N/A				
Storage Area	Delete Digitizer Files	N/A (digitized data stored in storage area, user can select to delete or automatically gets deleted when verified)				
	Lock Storage Area	Right click on storage area, Lock				
Storage Area	Locks	File	Option	Storage Areas	Storage Area Locks	Lock Storage Area
	Unlock Storage Area	File	Option	Storage Areas	Storage Area Locks	Unlock Storage Area
	Unlock Storage Area	Right click on storage area, Unlock				
	List Storage Area	<i>AM Explorer displays information in the Details Pane</i>				
Storage Area	Piece Transfer	N/A				
Storage Area	Scan Floppy Drive	N/A (use DCU)				

View	Toolbar	AM Explorer has configurable Quick Access Toolbar
	Status Bar	Am Explorer show/hide various panes
	Version Information	File View Version Information

new

V10 AM Explorer Ribbon icons for V8.5/V9.0 right-click options

Handy for tablet users - for example, if button on pen has issues imitating right-mouse commands

Options will vary depending on the data item(s) selected (not all functions apply to every data type)

	Ribbon	Home	Recycle Bin	Open
	Ribbon	Home	Recycle Bin	Clear
model selected	Ribbon	Process	Order and Marking	Easy Order
	Ribbon	Process	Order and Marking	Easy Plan
	Ribbon	Output	Plotting and Cutting	Model and Piece Plot
	Ribbon	Reports	Display	View
	Ribbon	Reports	Report Types	All Pieces
	Ribbon	Reports	Report Types	Piece Perimeter
	Ribbon	Reports	Report Types	Alter Piece Perimeter
	Ribbon	Reports	Report Types	Model Size Line
	Ribbon	Reports	Report Types	Model Size Codes
	Ribbon	Output	Report Types	All Model
marker selected	Ribbon	Process	Order and Marking	Easy Order
	Ribbon	Process	Order and Marking	Easy Plan
	Ribbon	Process	Order and Marking	Batch Processing
	Ribbon	Process	Order and Marking	Easy Marking
	Ribbon	Process	Order and Marking	Generate Cut Data
	Ribbon	Process	Order and Marking	Regenerate Marker

	Ribbon	Process	Order and Marking	AutoMark Edit
	Ribbon	Process	Order and Marking	AccuNest (licensing required)
	Ribbon	Process	Add Jobs	Marker
	Ribbon	Output	Plotting and Cutting	Cut Generation
	Ribbon	Output	Plotting and Cutting	Cut Generation Options
	Ribbon	Output	Plotting and Cutting	Marker Plot
	Ribbon	Output	Plotting and Cutting	Marker Plot Options
	Ribbon	Output	Plotting and Cutting	Cut Plot
	Ribbon	Output	Plotting and Cutting	Cut Plot Options
	Ribbon	Reports	Report Types	Marker
	Ribbon	Reports	Report Types	Marker Report Options
order selected	Ribbon	Process	Order and Marking	Easy Order
	Ribbon	Process	Order and Marking	Easy Plan
	Ribbon	Process	Order and Marking	Batch Processing
	Ribbon	Process	Order and Marking	Generate Marker
	Ribbon	Process	Order and Marking	Generate w/ Layrule
	Ribbon	Automation	Add Jobs	Order
piece selected	Ribbon	Output	Display	View
	Ribbon	Reports	Report Types	One Piece
	Ribbon	Reports	Report Types	All Pieces
	Ribbon	Reports	Report Types	Piece Perimeter
	Ribbon	Reports	Report Types	Alter Piece Perimeter
plot selected	Ribbon	Output	Display	View
cut selected	Ribbon	Output	Display	View
recycle bin selected	Ribbon	Home	Recycle Bin	Open
			Right-click on Recycle Bin in All Folders, Open	
	Ribbon	Home	Recycle Bin	Clear
			Right-click on Recycle Bin in All Folders, Empty Recycle Bin	

new

V10 AM Explorer Ribbon: Automation tab

Ribbon Automation Import From ERP

Ribbon Automation Batch Queue