

“ImageMatch to DP2 Hot Folder”
“Auto Mask and Fill Module”
Reference Manual
Rev. 03.07.06

Installation:

There are no additional installation procedures for the “Auto Mask & Fill” module features. The new features are installed as part of the “ImageMatch to DP2” installation if you purchased the “Auto Mask & Fill” (“AMF”) add-on module.

Overview:

The “Auto Mask & Fill” module is designed to allow the user to have more specific controls when adding DP2 Masks and Fill Color to all products ordered in a single line item in the ImageMatch export file based on codes that will be placed in specified ImageMatch columns.

The AMF module will check each record imported from the ImageMatch export file to see if there is a Mask Code and/or Fill Code in the designated columns based on new preferences fields.

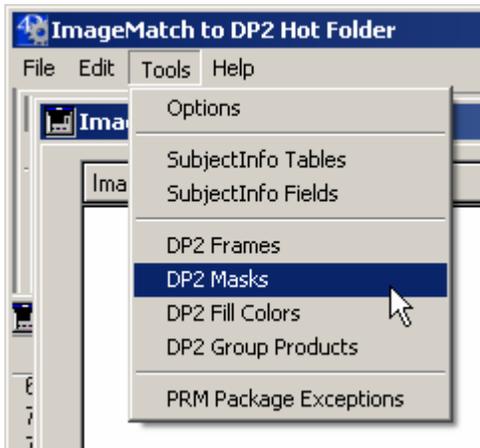
If a Mask or Fill Code is found, IM2DP2 will perform a lookup in a new cross reference table that was added to the application as a part of this module, to see if a matching Code exists in that table.

If a matching Code is found in the “DP2 Masks” table or the “DP2 Fill Colors” table, then IM2DP2 will add the values in each of these fields along with the associated DP2 Keywords to the DP2 Order Item node number that is entered in the “DP2 Node Number” field on the Options screen, for each DP2 Product code that is ordered on the same Row of the ImageMatch export file that has a quantity greater than zero.

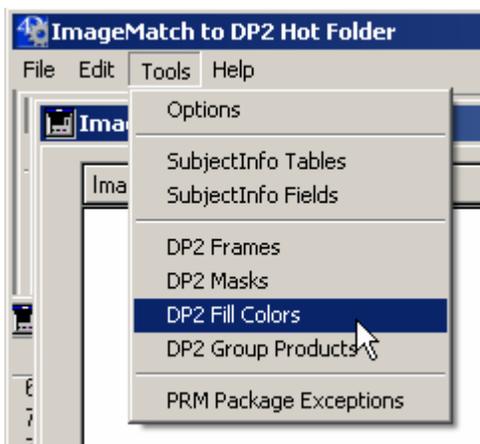
The same Keyword values will be applied to any node in the product layout that contains the keyword “ILabel:” and has a non-null string for the keyword value.

New Menu Bar Items:

Two new menu bar items have been added to the Tools menu.



“Tools / DP2 Masks Menu”



“Tools / DP2 Fill Colors Menu”

Click on the Tools menu and you will see the new “DP2 Masks” and “DP2 Fill Colors” menu items.

When you select the “DP2 Masks” menu item it will open the new “DP2 Masks” table list view shown below.

Mask Code :	Image Opacity:	Make Hard Mask:	Make Soft Mask:	Mask File Path:
Mask_Diffused	100	<input type="checkbox"/>	0	\\Dellxps\C_Dell_XPS\Eastman Kodak\KPro Applications\KPDP2\Artwork\Masks\Diffus
Mask_Oval	100	<input type="checkbox"/>	0	\\Dellxps\C_Dell_XPS\Eastman Kodak\KPro Applications\KPDP2\Artwork\Masks\OvalM

“DP2 Masks table list view”

It is in this table that you will enter the Mask Code data that will be used to add Masks to your DP2 order items created by ImageMatch to DP2 with the AMF module.

Fields in list view:

Mask Code

Image Opacity

Make Hard Mask

Make Soft Mask

Mask File Path

Mask Code: This field will be a 50 character string field that is the code to uniquely identify a mask and its characteristics.

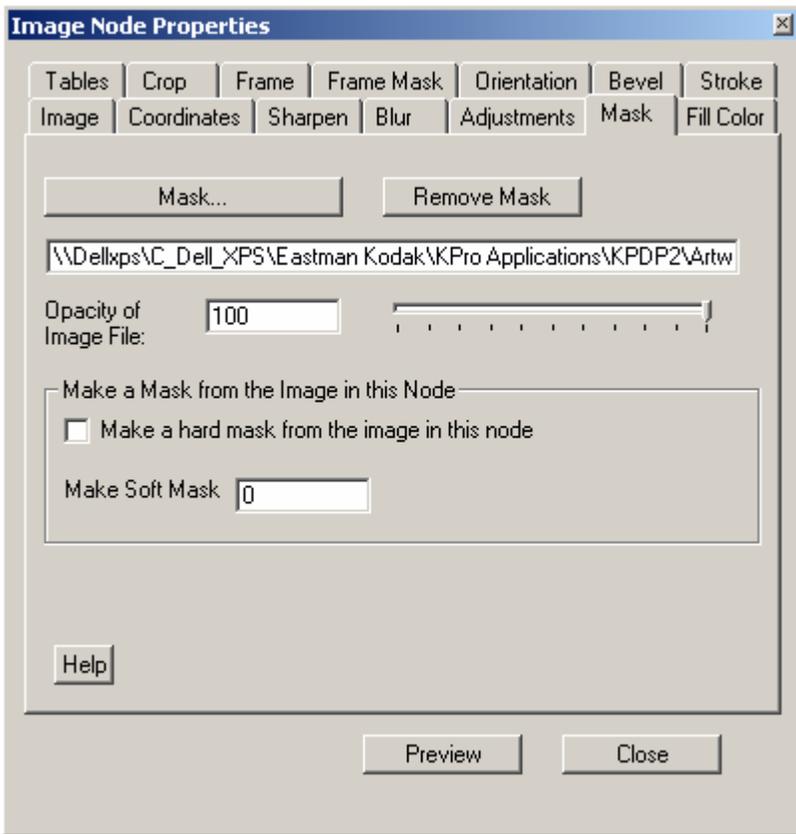
Mask File Path: This field is a 255 character string field that will contain the full path to the Mask file that is to be used with the Mask Code from the same record, and will be associated with the DP2 Keyword “Maskfile”. This field should contain a UNC path.

Image Opacity: This field has a valid range of (0 to 100) with a default value of (100), and will be associated with the DP2 Keyword “Ifileopacity”.

Make Hard Mask: This field has a valid range of (0 or 1) with a default value of (0), and will be associated with the DP2 Keyword “Makehardmask”.

Mask Make Soft Mask: This field has a valid range of (0 to 255) with a default value of (0), and will be associated with the DP2 Keyword “Makesoftmask”.

The fields in the “DP2 Masks” table are related to the information on the “Mask” tab of the DP2 “Image Node Properties” window shown below.

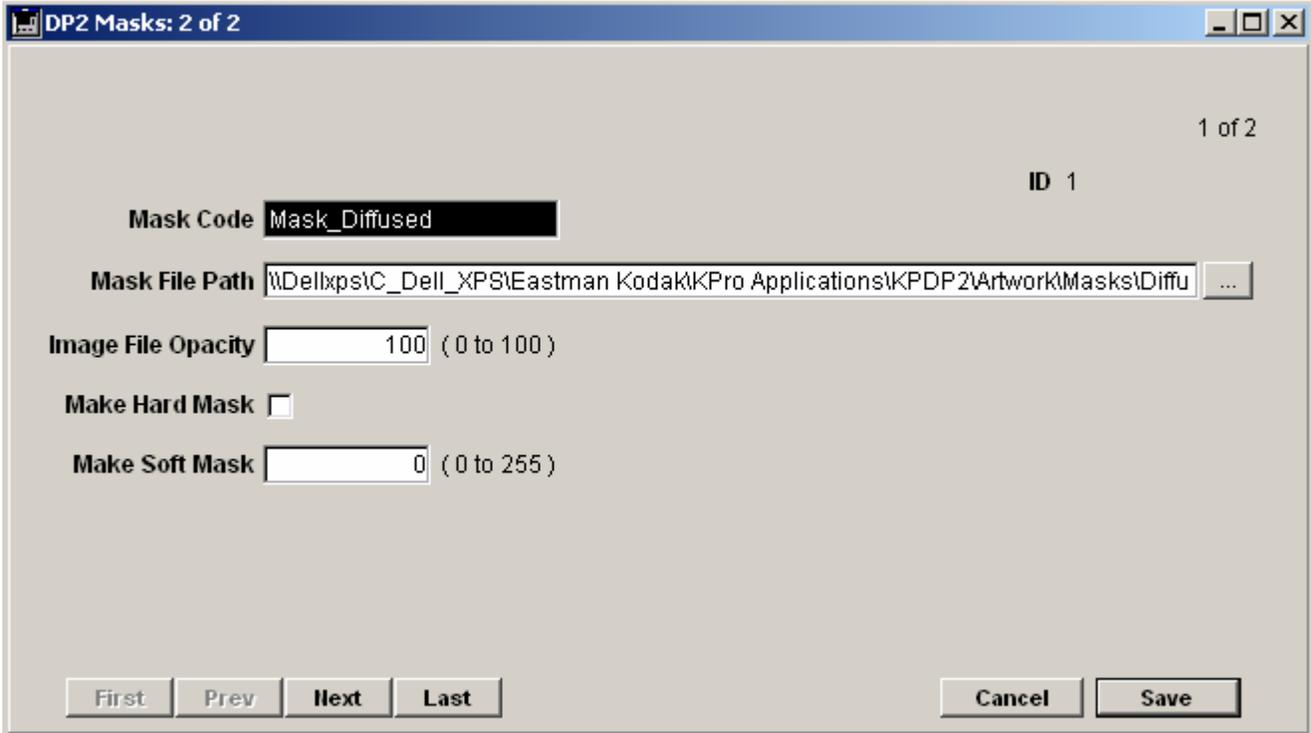


“Mask tab” of DP2 Image Node Properties window

Adding DP2 Masks records:

To add a new Mask record, click the “Add” button that is located in the top left portion of the DP2 Masks list view window.

This will open the “DP2 M asks Input” window shown below.

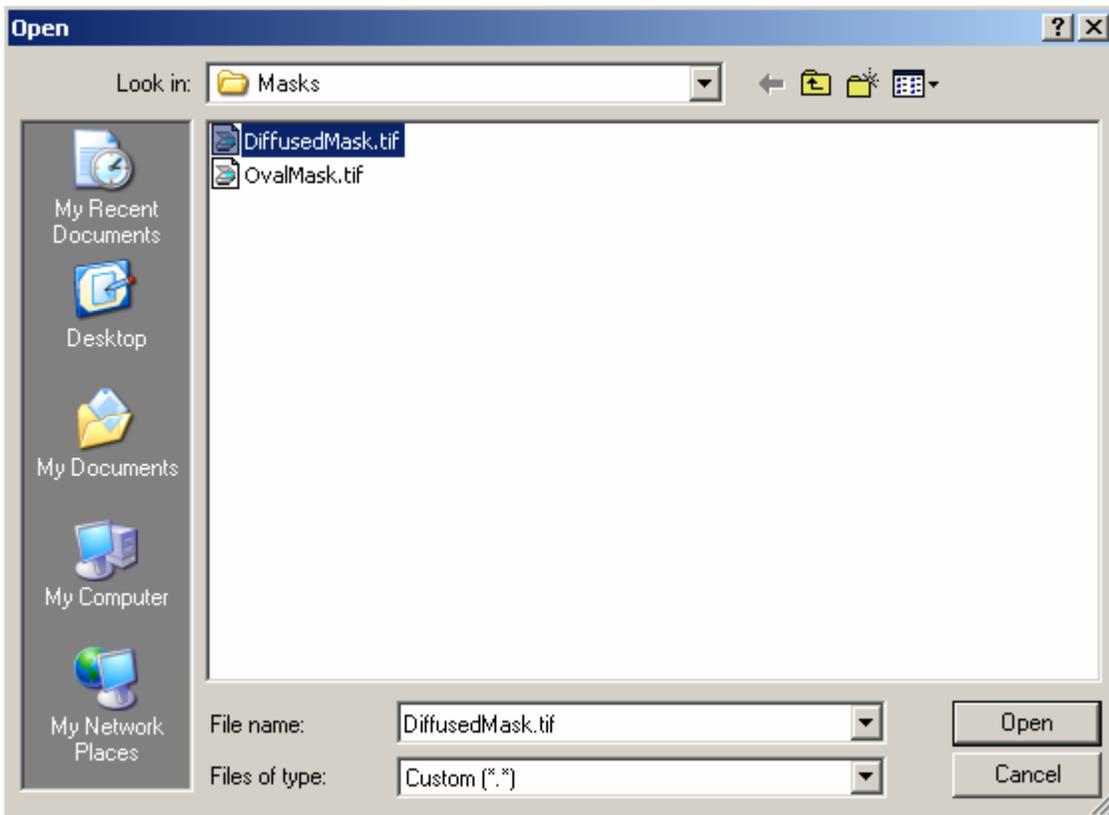


“DP2 Masks Input” window

Enter the “Mask Code” for this record. In our example, we entered “Mask_Diffused”.

Next you will enter the “Mask File Path” field.

When you click on the browse button at the right end of the field and is labeled with “...” the explorer “Open file” window will open as shown below.



“Explorer Open file” window

Explore to the mask file that you wish to associate with the Mask Code. Make sure to explore through the Entire Network so that the path selected will be a UNC path.

Once the mask file is located, highlight it and click the “Open” button, and the path will be inserted in the “Mask File Path” field.

Next you will enter the “Image File Opacity” value, which must be a value in the range of 0 to 100.

The “Make Hard Mask” check box is the next field.

The last field is the “Make Soft Mask” which must be a value in the range of 0 to 255.

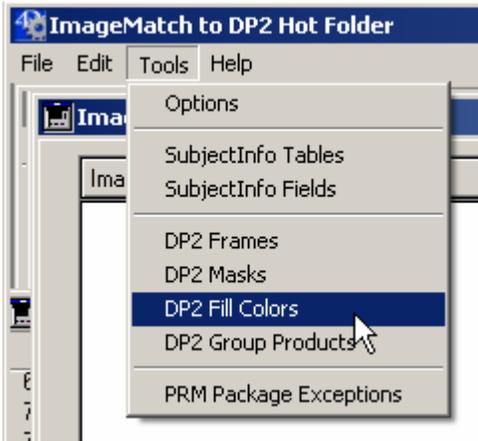
Once you have completed the data for this record, click the “Save” button to save the record.

This will return you to the list view of the table, and you can repeat the process to add additional DP2 Masks records.

If you wish to modify an existing record, simply double click on the item in the list view and this will open the Input view of that record, and you can make any modifications and then save your changes by clicking the Save button.

To return to the application main window, simply click on the “Done” button in the top right portion of the list view window.

We recommend starting out with just a few entries to do your initial testing, and then once you are familiar with the entire process and how it works, then you can continue entering the remaining DP2 Mask records.



“Tools / DP2 Fill Colors Menu”

Click on the Tools menu and you will see the new “DP2 Fill Colors” menu item.

When you select the “DP2 Fill Colors” menu item it will open the new “DP2 Fill Colors” table list view shown below.

 A screenshot of the 'DP2 Fill Colors: 2 of 2' table list view. The window has a toolbar with buttons for Add, Find, Delete, All, Select, Sort, Auto Sort, Print, and Done. Below the toolbar is a table with the following data:

Fill Color Code :	Fill Color:	Apply:	Opacity:	IColor Override:	BG Color Mask Path:
Fill_BlueGreen	0 64 128	<input checked="" type="checkbox"/>	100		
Fill_Red	255 32 5	<input checked="" type="checkbox"/>	88		

“DP2 Fill Colors table list view”

It is in this table that you will enter the Fill Color Code data that will be used to add Fill Colors to your DP2 order items created by ImageMatch to DP2 with the AMF module.

Fields in list view:

- Fill Color Code
- Fill Color (IColor)
- Apply Color checkbox
- Opacity (BG Color)

IColor Override
BG Color Mask Path

FillColor Code: This field is a 50 character string field that will be the code to uniquely identify a fill color and its characteristics.

FillColor: This field is a string field, and will be associated with the DP2 Keyword “IColor” which is a multitype keyword followed by a string of multiple values.

Ex: “0 255 255 255” (Default Value = “0 0 0 0”

Apply Color Checkbox: This field is a checkbox that causes the Fill Color to be applied or not.

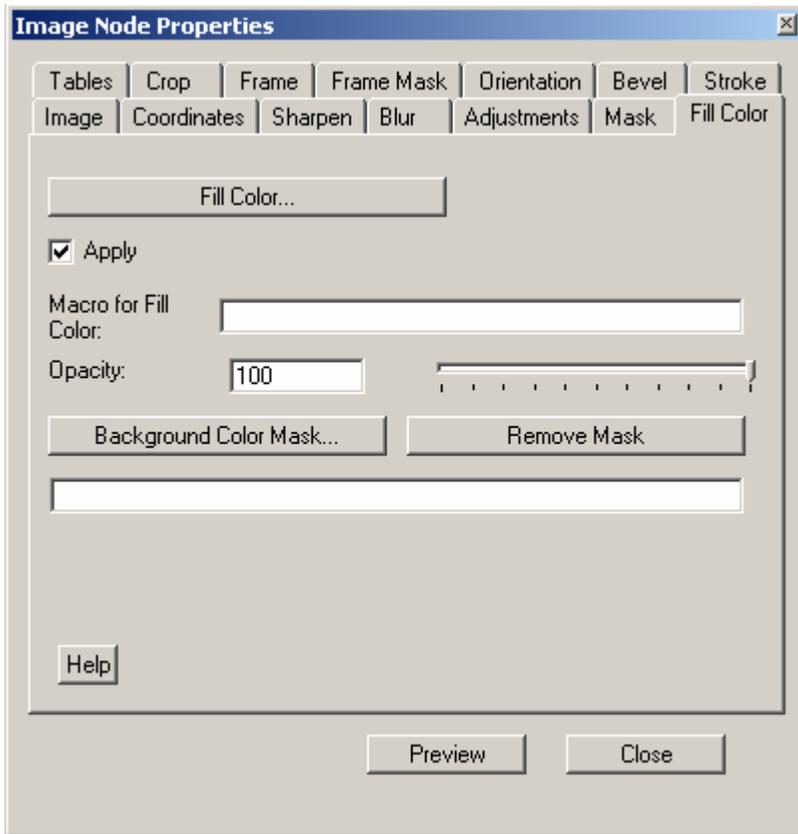
BG Color Opacity: This field has a valid range of (0 to 100) with a default value of (100), and will be associated with the DP2 Keyword “Bgcoloropacity”.

IColor Override: This field is a string field, and will be associated with the DP2 Keyword “IColoroverride” which is a multitype keyword followed by a string of multiple values or a Macro to replace IColor.

Ex: “~0 255 255 255~”

BGColor Mask Path: This field is a 255 character string field that will contain the full path to the Background Color Mask file that is to be used with the FillColor Code from the same record, and will be associated with the DP2 Keyword “Bgcolormask”.

The fields in the “DP2 Masks” table are related to the information on the “Fill Color” tab of the DP2 “Image Node Properties” window shown below.



“Fill Color tab” of DP2 Image Node Properties window

Adding DP2 Fill Color records:

To add a new Fill Color record, click the “Add” button that is located in the top left portion of the DP2 Fill Colors list view window.

This will open the “DP2 Fill Color Input” window shown below.

“DP2 Fill Colors Input” window

Enter the “Fill Color Code” for this record. In our example, we entered “Fill_BlueGreen”.

The next field is the “BG Color Mask Path” field. If you are using a BG Color Mask, click on the browse button at the right end of the field and is labeled with “...” and the explorer “Open file” window will open.

Explore to the mask file that you wish to associate with the Fill Color Code. Make sure to explore through the Entire Network so that the path selected will be a UNC path.

Once the mask file is located, highlight it and click the “Open” button, and the path will be inserted in the “BG Color Mask Path” field.

Next you will enter the “Fill Color” Red, Green, and Blue values, which must be values in the range of 0 to 255.

The “Apply Fill Color” check box is the next field and must be checked for the color values to be applied.

The next field is “BG Color Opacity” which must be a value in the range of 0 to 100.

The last field is the “IColor Override” which is a string field, and is associated with the DP2 Keyword “IColoroverride” which is a multitype keyword followed by a string of multiple values or a Macro to replace IColor.

Ex: “~0 255 255 255~”

Do not enter the tildes “~” in this field as they will be added by the software when the order item is created.

Once you have completed the data for this record, click the “Save” button to save the record.

This will return you to the list view of the table, and you can repeat the process to add additional DP2 Fill Color records.

If you wish to modify an existing record, simply double click on the item in the list view and this will open the Input view of that record, and you can make any modifications and then save your changes by clicking the Save button.

To return to the application main window, simply click on the “Done” button in the top right portion of the list view window.

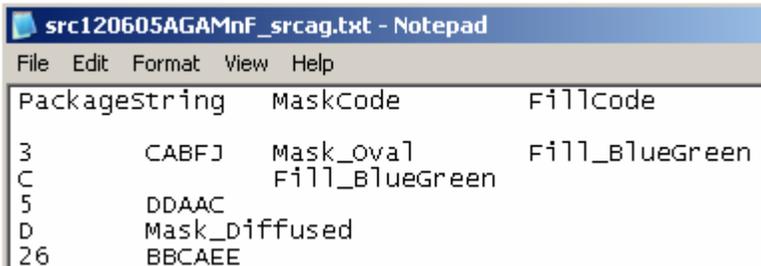
We recommend starting out with just a few entries to do your initial testing, and then once you are familiar with the entire process and how it works, then you can continue entering the remaining DP2 Fill Color records.

New ImageMatch Export Columns:

In order for the AMF module to function correctly, it is the user’s responsibility to make sure that new custom columns are added to your Image Match export file.

The new column names can be whatever you want, but we suggest that the column names be self explanatory and something that will not be used later by Photolynx if they decide to add new columns.

In our example we chose “MaskCode” and “FillColor” as you can see below.



“IM Export file with new columns”

New Tools / Options Dialog Fields:

In order to activate the Mask and Fill Color code features you must enter an ImageMatch export file Column name in each of the new fields on the Tools / Options window of the IM2DP2 application.

Click on the Tools menu and pull down to Options and release and you will see the Options dialog. The bottom section of the window is shown below.



The screenshot shows a dialog box with a light gray background. In the top left, there is a checkbox labeled "Store Units in SubjectInfo" which is unchecked. Below it, on the left, is a text input field labeled "Frame Code Column Name" containing the text "Code". On the right side, there are two text input fields: the top one is labeled "Mask Code Column Name" and contains "MaskCode", and the bottom one is labeled "Fill Code Column Name" and contains "FillColor". At the bottom right of the dialog, there are two buttons: "OK" and "Cancel".

“New Mask Code and Fill Code Column fields” on Tools / Options window

In the bottom right corner of the Options window you will see two new fields:

Mask Code Column Name

Fill Code Column Name

You can also see that we have added the names of the new columns that we added to our ImageMatch export file.

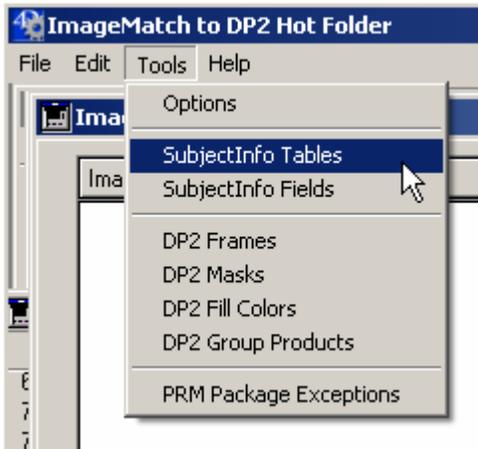
Create New SubjectInfo table with new Column Names

The last thing you need to do is to create a new SubjectInfo table record in the IM2DP2 database with the new column names added as custom fields.

NOTE: If you are already using custom fields in another custom SubjectInfo table and you wish to continue using them in this new table, you will need to make sure you add those same column names to this new record.

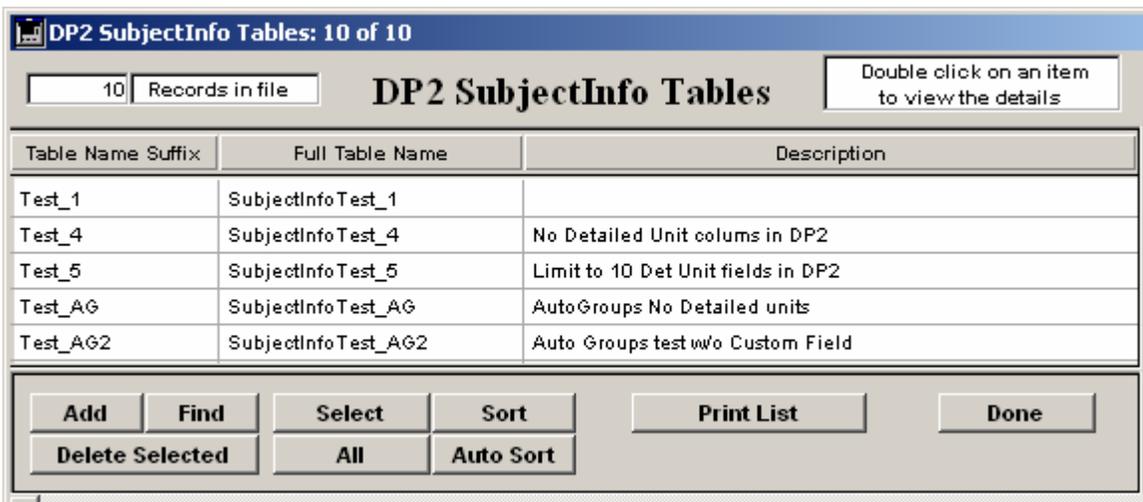
The reason you have to create a new SubjectInfo table is because we cannot add fields to an existing table in DP2 without deleting that table and all of its records which would cause you to lose valuable data in your DP2 database.

Click on the Tools menu and pull down to SubjectInfo tables and release as shown below.



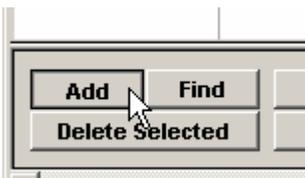
“Tools / SubjectInfo Tables” menu

This will open the list view of the “SubjectInfo Tables” table which will show you the list of all your current SubjectInfo table names.



“SubjectInfo Tables” list view.

To add a new Table record, click on the “Add” button in the bottom left portion of the window.

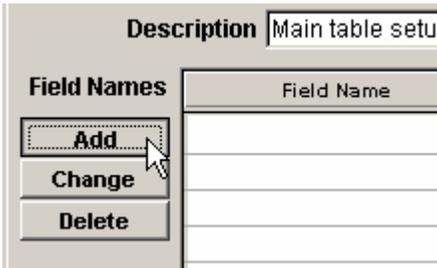


“Add SubjectInfo Tables” button on the list view window.

customers or different types of work coming into the lab.

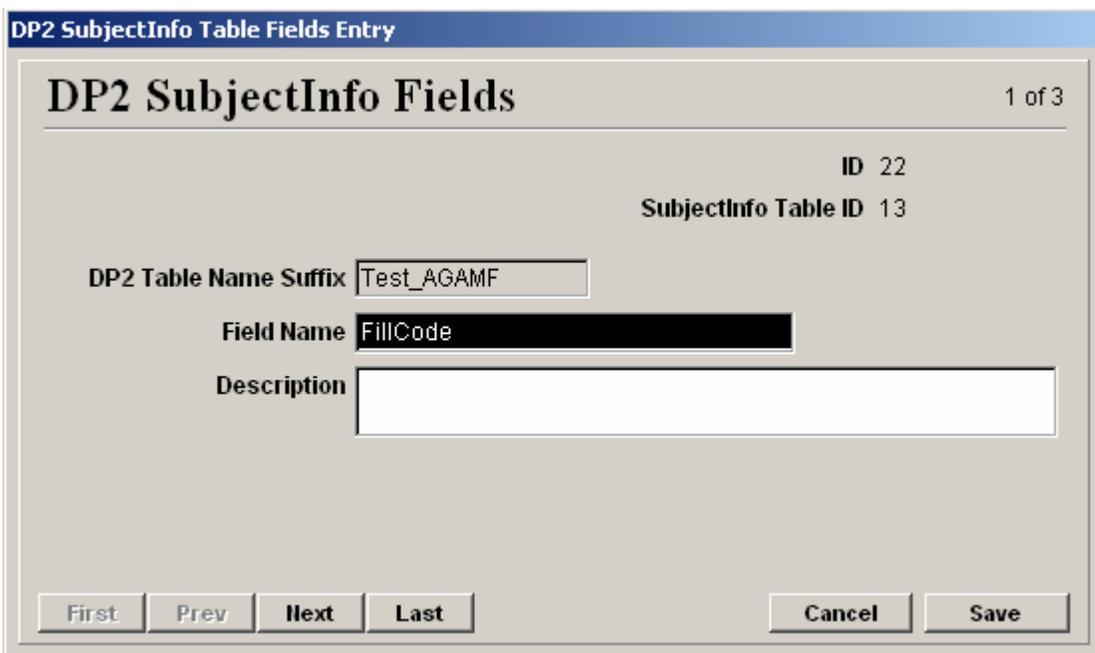
Adding Field Names for the Table:

To add Field Names for the new “Toco1” Table, click the “Add” button on the left side of the Input window that is just under the words “Field Names” as shown below.



“Add Field Names Button” on Input screen

This will open the “SubjectInfo Fields” Input screen.



“SubjectInfo Fields Input” window

You will notice that the “DP2 Table Name Suffix” field has been filled in automatically.

We have entered the field name “FillColor” which is our new column name for our Fill Color Code. The Description is left blank since “FillColor” is self explanatory.

Click the “Save” button and the record will be saved and you are returned to the “SubjectInfo Tables” Input form.

To Delete a record, highlight the record you wish to delete, and then click the “Delete” button.

When you are all done entering the Field Names for your first SubjectInfo Table, click the “Save” button in the bottom right corner of the form.

This will return you to the “SubjectInfo Tables” List view window and the new table name will be listed.

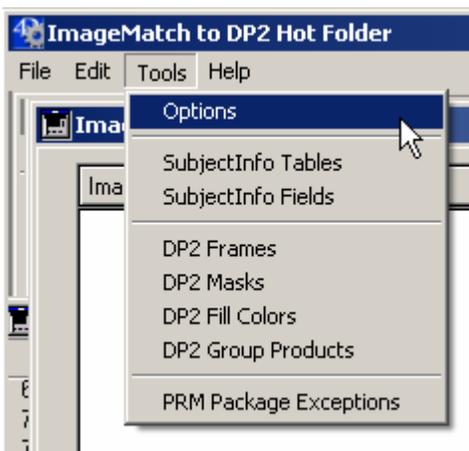


“SubjectInfo Tables List View” after entering our new Table definition.

To return to the Main application window, click the “Done” button in the bottom right corner of the window.

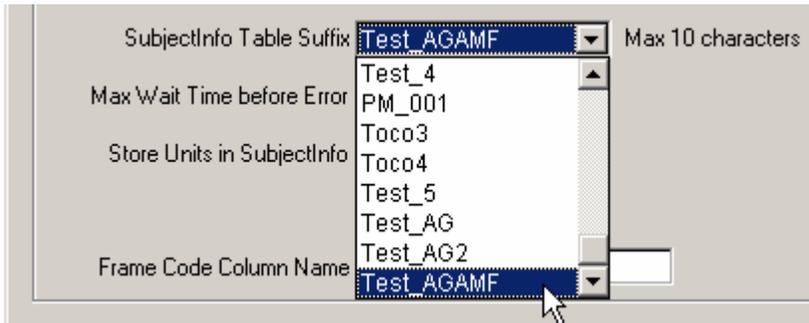
Select the new Table name on Options screen:

Now that we have our first SubjectInfo Table and associated Field names, we need to go back to the Tools / Options menu and open the Options input window.



“Tools / Options” menu bar item

On the Options window, click on the “SubjectInfo Table Suffix” drop down list and choose the new table name suffix from the list of choices.



“SubjectInfo Table Suffix drop down list”

In our example we show clicking on our new table suffix which is “Test_AGAMF”.

Once you select the Table Suffix for the table you want the application to use for sending Subject data into DP2, click the “Save” button and return to the main application window.

You have now completed all the setup work needed to begin testing your new module.

Feature Functionality:

With the addition of these new fields to the “Auto Mask & Fill” module, you will be able to add Masks and Fill color to layouts on the fly based on the Mask Code and Fill Color Code in the designated columns of the ImageMatch export file.

All products ordered on the same row of the IM export file will have the same Mask and Fill Color settings applied.

If there is there are both Mask Code and Fill Color codes for an export row then the keywords for both will be applied to the node specified in the Options settings ‘DP2 Node Number’ field.

If there is a Mask Code but no Fill Color Code, then only the Mask keywords and values will be applied.

If there is a Fill Color Code but no Mask Code, then only the Fill Color keywords and values will be applied.

It is recommended that you test your Masks and Fill Color settings with Order Items created from your layouts so that the values entered in the IM2DP2 Masks table for a specific Mask Code will be set to the proper values to get the desired results.

By taking this approach, you will not have to create separate layouts and product codes for each Layout / Mask / Fill Color combination, which should save many hours of work.

It also allows you to turn the feature off and on within the same ImageMatch export order since IM2DP2 will check the column for a Mask Code and a Fill Color Code on each row of the export file. This means

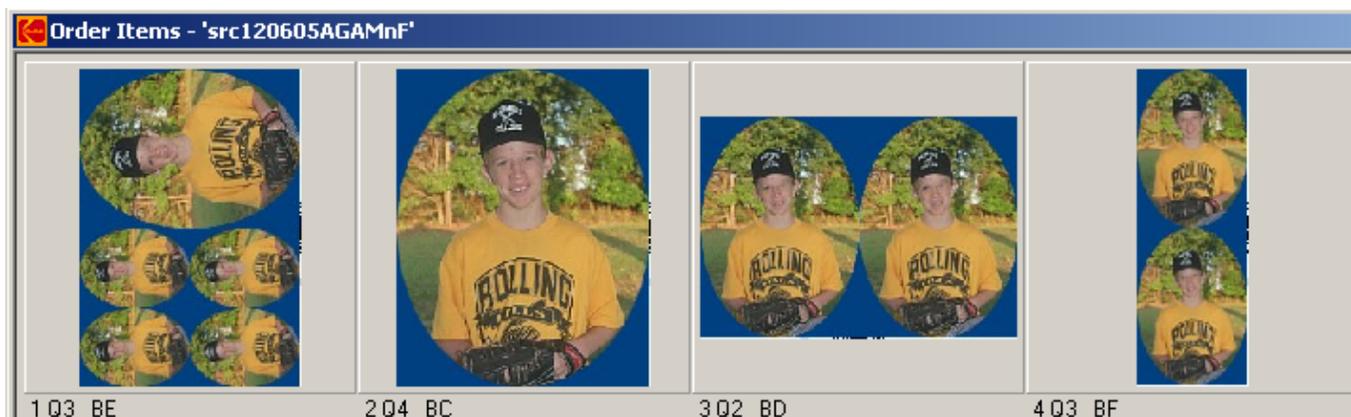
that if row 1 has a mask code, all of the products ordered from row 1 will get that Mask. However, if row 2 does not have a Mask Code in the specified column, then all the products ordered in row 2 will not get Masks added to them, etc., etc.

The same Keyword values will be applied to any node in the product layout that contains the keyword “ILabel:” and has a non-null string for the keyword value.

Testing:

Once you have added the new columns your ImageMatch export file, entered the Mask and Fill Code records, created a new SubjectInfo Table record, and selected the new SubjectInfo Table Suffix on the Options window, you are ready to test the new “Auto Mask & Fill” functionality by placing the export file in the “ImageMatch Export Directory” that our application is monitoring for new orders to be processed.

Once the order is processed into DP2, you will be able to see your Order Items with Masks and Fill Colors added as shown below.



“DP2 Order Items with masks and fill color added”

In our example order, you can see that we have added an oval mask and a blue fill color background.

Once you have tested this new feature, you are ready to continue adding additional “DP2 Mask” and “DP2 Fill Color” records and perform further testing.

Important Note:

It is advisable to test each new Mask and Fill Color with every package that it will be ordered from in the ImageMatch export file before running production work for your customers.

Module Requirements:

1. ImageMatch export files must include new custom columns for the Mask Code and Fill Color Code.

2. The “Auto Mask & Fill” module only supports one Mask Code and/or one Fill Code entered in the specified Column in the ImageMatch export file per row in the export file. In other words, you cannot have two Mask Codes in the same row. You can have one Mask Code and one Fill Code.
3. When the export file is parsed, IM2DP2 looks at the Mask Code and Fill Color columns to see if there is a string value other than a null string (“”) in each column. If the string is not null, then all characters in that column between the double quotes is considered as the Code, and it is that string that will be used to perform the lookup in the “DP2 Masks” or “DP2 Fill Colors” tables for a matching record.
4. If you wish to have the same Mask and/or Fill Color values added to multiple image nodes in the same layout without having to use CopyFrom, make sure you insert the keyword “ILabel:” in each additional node other than the first image node and use any non-null string value.
Example: “ILabel: ~Same Effects in this Node~ (This works)

If you simply insert the keyword without a string value following it the Mask and Fill Color keywords will not be copied.

Example: “ILabel: ~ (This does not work)

Support Contact Information:

If you have any questions about this application or need assistance during installation or configuration, please call or email Chuck Morris at Impossible Solutions, Inc.

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