



FeneVision® Best Practice

Adding New Glass (BP0138)

Purpose

This document describes the steps necessary to add a new type of glass to the FeneVision system.

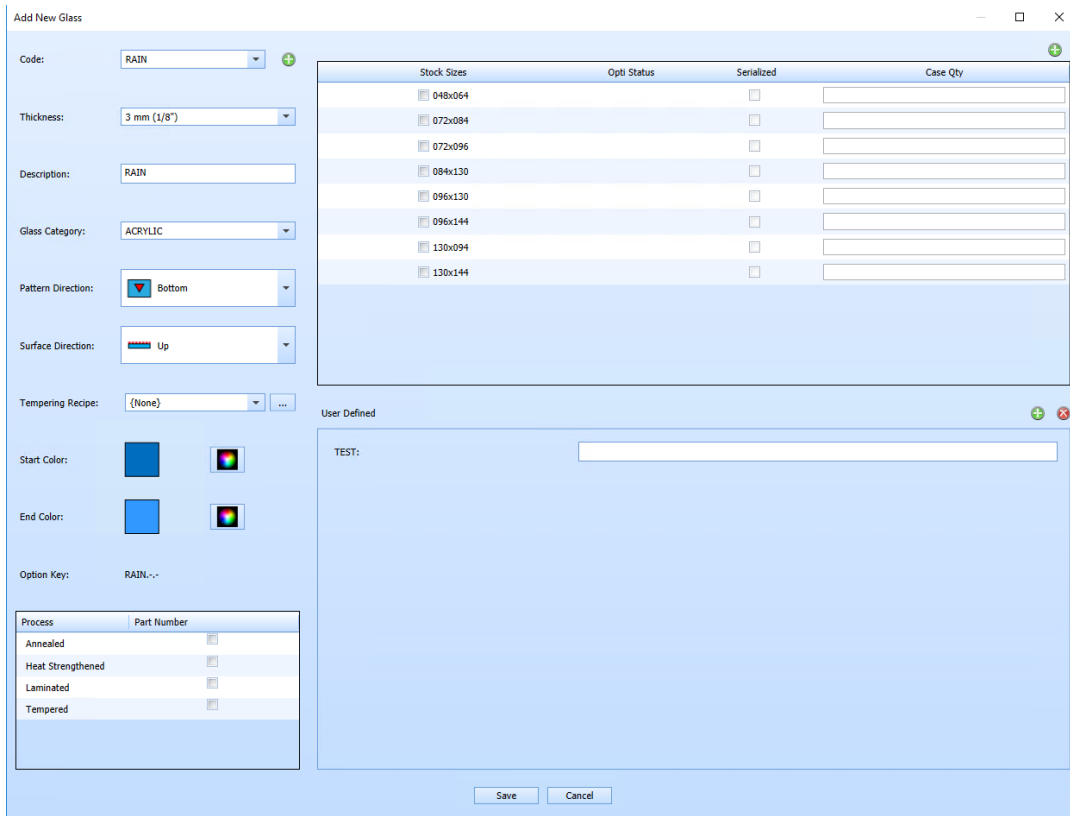
FeneVision Glass Setup Utility brings additional functionality to Core that greatly simplifies the glass creation process.

Standard Naming Convention

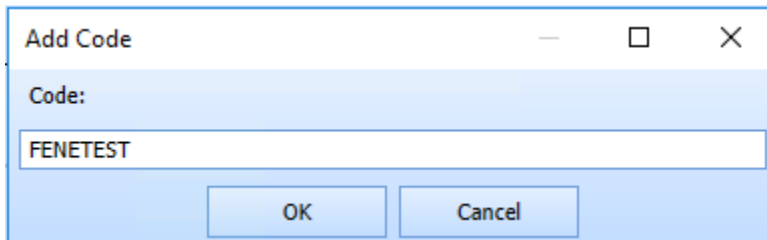
The typical naming convention for glass is as follows: [Glass][Thickness].[Color].[Surface].[Pattern/code]. An example of this convention is "GL060.CL.PT.RN". From this name, you should be able to depict that this part is: a glass part by "GL", 6 mm thick by "060", clear colored indicated by "CL", has a patterned surface determined by "PT", and a RAIN coat/pattern determined by "RN". It is imperative to keep the naming convention readable and consistent to depict part information.

Part Creation

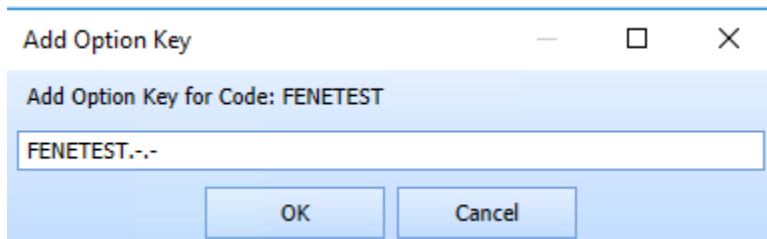
1. Navigate to Setup > Products > Glass Setup, select the "New" button to create a Glass part. The "Part No" field dictates the parent part name, which should follow the naming schema for other glass parts (go to [Standard Naming Convention](#) for more details). They are considered parent parts since they do not have stock sizes on them. Select checkboxes in the "Stock Sizes" section to create stock parts for the parent part. The stock parts are considered child parts. These part numbers will be automatically generated for you.



To add in a new code, there will be a green “+” button next to the Code dropdown which will open this prompt:



After entering in your new option code, you will then be prompted to enter in the Option Key for the new Option Code. This Option Key will be what helps bring the correct glass part into the Bill of Material.



Now we have our new Option Code and Option Key setup. When creating a new option for a glass type, after creating the option code it will appear in the option wizard, the option code will only be available for the Category and Thickness combo that you initially set it up for.

If we had set this up for a glass part that had a thickness of 3 mm and a Glass Category of "SPECIALTY", the only place that we would be able to find this in the option structure would be with the combination of 3 mm selected under Lite 1 Thickness and SPECIALTY selected under Lite 1 Category.

While selecting a thickness, the available thicknesses to select from will be derived from the thickness option codes in the option structure. As new glass parts are created, the drop down of available thicknesses will start to shrink for glass types. If a glass type has a part for each available thickness, that glass type will not be available from the drop down of available glass parts. This is to ensure that no duplicate glass parts are created.

In the example below, we have created 2 mm and 16 mm glass for option code TEST2, because those thicknesses have been created already, they will not be available to selected when adding more glass for the TEST2 option code.

Code: TEST2

Description:

Thickness: 3 mm (1/8")

Glass Category:

- 3 mm (1/8")
- 5 mm (3/16")
- 6 mm (1/4")
- 8 mm (5/16")
- 10 mm (3/8")
- 12 mm (1/2")
- 15 mm (5/8")

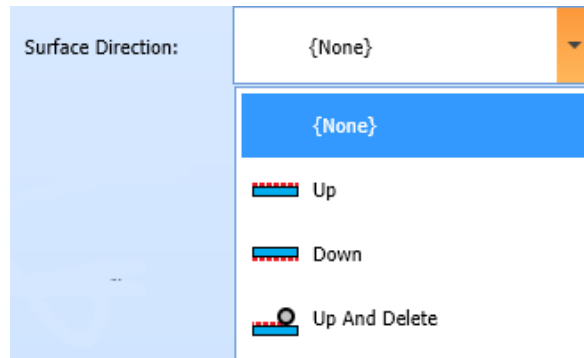
If the newly created part has a pattern or surface direction, that information must be noted in the "Pattern Direction" and "Surface Direction" fields.

Pattern Direction: {None}

- {None}
- Right Or Left
- Top Or Bottom
- Top
- Bottom
- Left
- Right

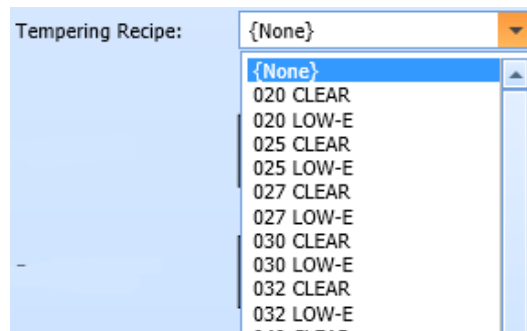
Pattern Direction will provide you with a handful of options for how your pattern direction will be handled within Opti.

- Right or Left – Pattern is horizontal with no specific direction.
- Top or Bottom – Pattern is vertical with no specific direction.
- Top – Pattern is running toward the top of the stock.
- Bottom – Pattern is running toward the bottom of the stock.
- Left – Pattern is running toward the left of the stock.
- Right – Pattern is running toward the right of the stock.



Surface Direction tells the cutting machine how the stock sheet will be placed on the cutting table. This gives it the ability to know how to orient the lite if the glass has a coating on one surface, a pattern texture on one surface, or the user cares about the tin surface. There are four options to select from:

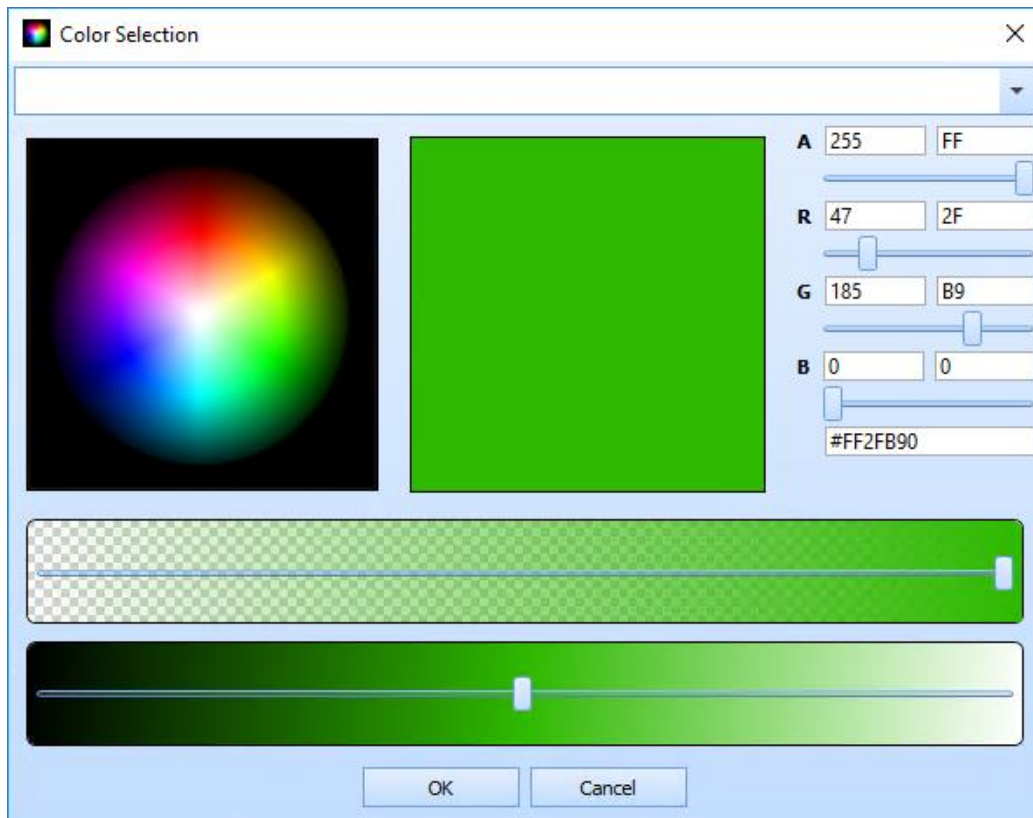
- None – No coating, pattern texture, and tin surface does not matter.
- Down – The surface with the coating, texturing, or tinning is faced down.
- Up – The surface with the coating, texturing, or tinning is faced up.
- Up And Delete – The surface with the coating, texturing, or tinning is faced up and edge deletion will occur.



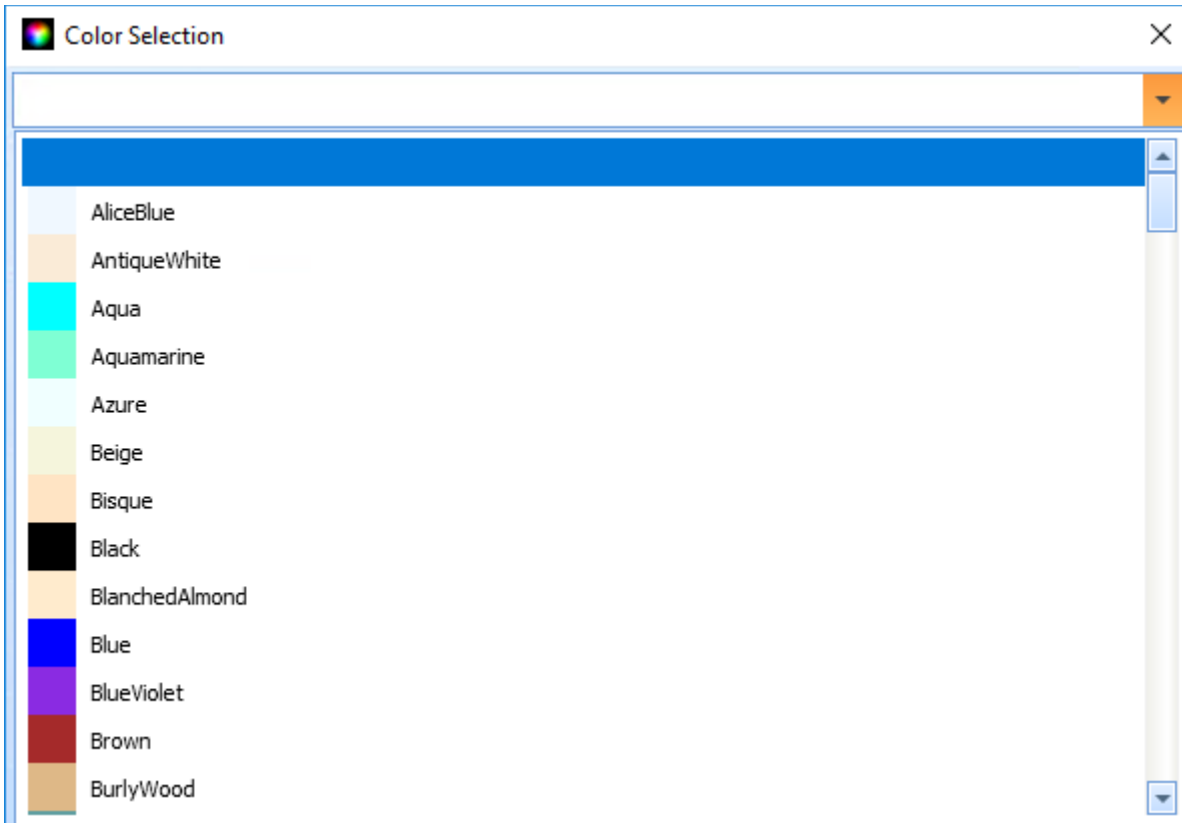
The Tempering Recipe drop down will be where users are able to assign tempering recipes to their glass parts. What is available in this list, will be configured within the `_SYS_TemperingRecipe` lookup table.

The “Start” and “End” color represent the colors on the cross sections and display object in the option wizard.

When selecting a “Start” or “End” color, there are three ways to go about selecting a color. The first way is by clicking into the color selection circle on the left hand side of the screen. The second way is by manually entering in the ARGB code. To do this, you’ll need to enter each section individually. This method isn’t exactly quickest way of entering in the color, but if there is an exact hex code that you know that you want selected, this would be one way to go about it.



The final method of selecting a “Start” or “End” color is by hitting the drop down on the top of the Color Selection screen. This drop down provides all of the HTML colors, so if there is a particular color that you want and know the name of it, this would be the simpler way to get that color compared to method two.



Within the Stock Sizes section of the screen, we have a few different fields that will be utilized by the user:

Stock Sizes	Opti Status	Serialized	Case Qty
<input type="checkbox"/> 048x064		<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/> 072x084		<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/> 072x096		<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/> 084x130		<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/> 096x130		<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/> 096x144		<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/> 130x084		<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/> 130x144		<input type="checkbox"/>	<input type="text"/>

Under the Stock Sheets column, we have the available stock sizes with checkboxes to the left of them. When adding in new glass, or existing glass, you can select a new stock size for this glass.

If a Stock Size is selected, the Opti Status column becomes available. In this column, you will have a drop down of options to either: Disable, Enable, or make a stock sheet optional within Opti.

Moving along, we have two fields that are utilized within the Serialized Part Setup. While setting up your stock sheet, you have the ability to set it as a serialized part as well.

When the Serialized checkbox is selected, you are able to enter in a quantity of how many stock sheets will be available within each case.

You can create several serialized parts using the same stock sheet if you enter multiple numbers separated by a comma. (Example: GL060.CL.-.-.C.15, GL060.CL.-.-.C.18)

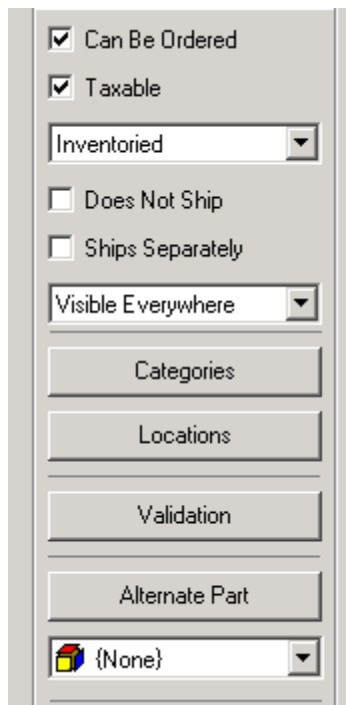
In the case that a user needs to add in a new stock sheet size, they can click on the green “+” button in the top right corner. This will prompt the user to enter in a height, width and description for this new stock sheet size.

The last section to cover on the “Add New Glass” screen is the User Defined Section. This section is treated much like the other User Defined sections within CORE, as this is a field for you, the user, to define what exactly needs to be in here. If there is any additional information that you’d like to store against your different glass parts, this would be one way of logging that information.

2. After clicking Save, a message will appear stating to commit all System Questions located in Setup > Products > Parts. At first, the Commit button cannot be selected. The button can be selected only when a question is modified. Check and immediately uncheck an empty checkbox for a question, then select Commit.



3. If the stock part can be ordered, navigate to Setup > Products, find the stock part and select the General tab. The stock part name will be the parent part name followed by the stock part size checked off in Glass Setup (Example: GL060.CL.-.-.048x064). Check the checkbox labeled “Can Be Ordered”.



Part Type Assignment

Using the Glass Setup Utility, the part types “GLASS” and “CAPACITY PLANNING” will already be assigned to both the parent and stock parts.

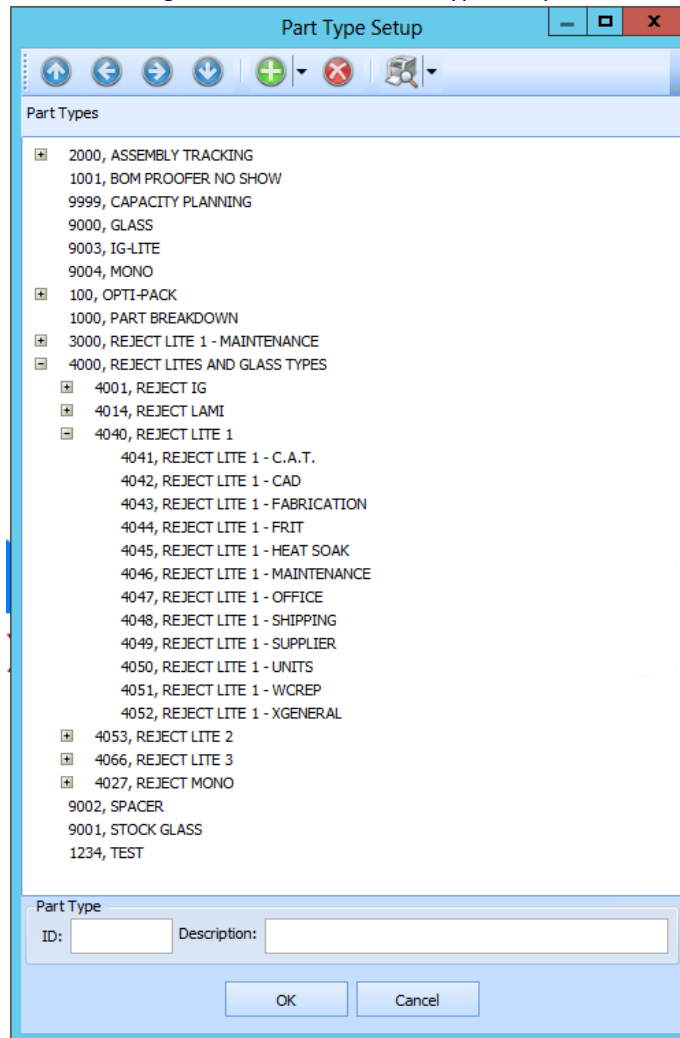
Reject Part Types

The rejecting functionality allows for parts, subassemblies or orderable parts to be rejected at a tracking station.

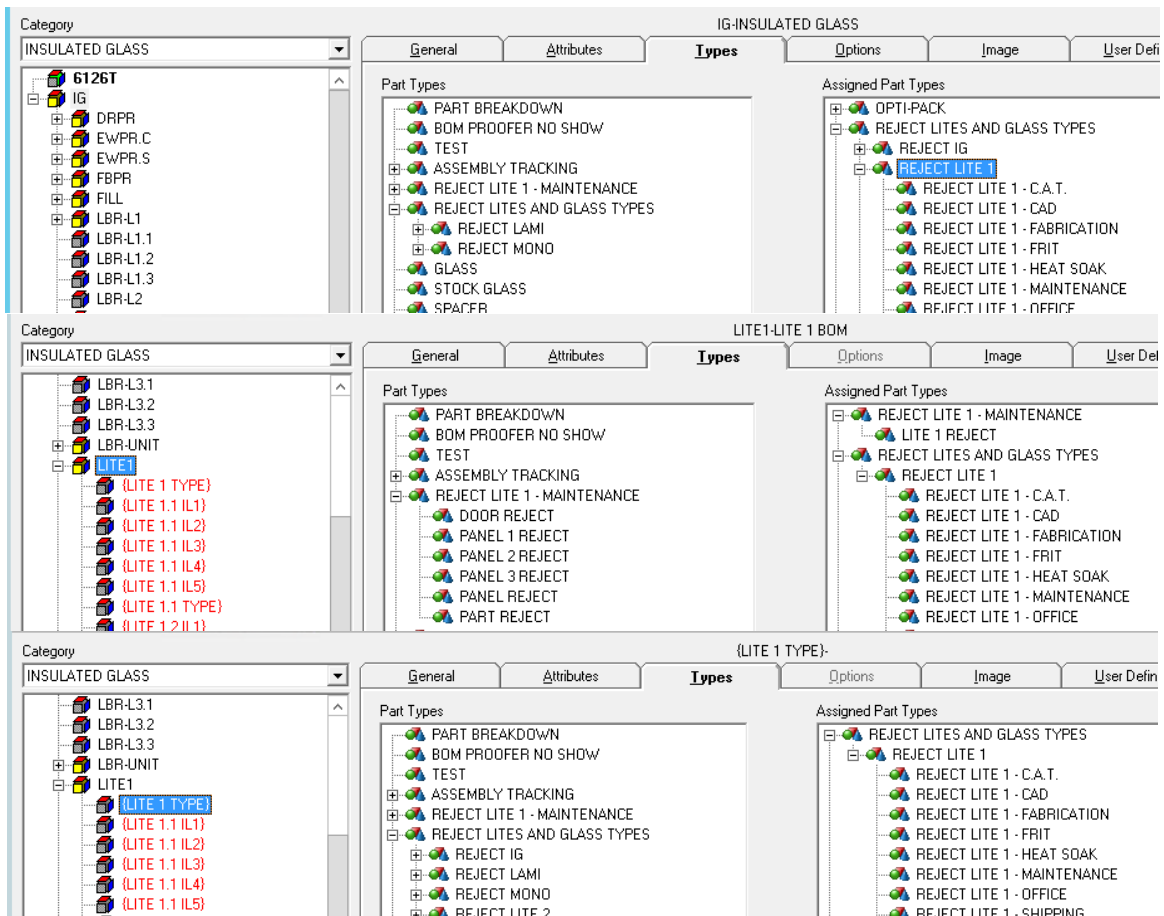
There are two options for rejecting:

- Reject only – the part is rejected and not sent back to be remade
- Reject and Reprocess – the part is rejected and is sent back to be remade. If the rejected part is an orderable part, it will be sent back into scheduling to be re-scheduled and re-released, consuming additional inventory. If it's not an orderable part, reprocessing will reproduce machine files, reports and labels, while manual adjustments to inventory will be required.

1. Part Types must be added which will be assigned to the numerous parts and subassemblies in order to attach reject codes to these parts. The following has been added in Part Type Setup:



2. Part types are then assigned to parts. For example, the screenshots below show all part types setup for the IG orderable part, its LITE1 Subassembly, and the LITE1 dynamic part.



Inventory Setup

- Go to inventory Setup (Setup > Inventory > Inventory) and search for your recently created child glass parts that have a stock size reflected on them (Example: GL060.CL--.072x096) and ensure that the following fields are filled in on the general tab.
 - Cost Method – change this only if you want to override your default cost method, otherwise leave as “Default”.
 - Locations – When Multi-Location is enabled, you will need to verify that the correct location assignments are made for each part. By default, any glass parts created out of the Glass Setup Utility will enable Inventory being able for all locations.
- Details Tab – Assign parent/child relationships, qty low and high levels. Enter the cost in either the Std Cost, Last Cost, or Avg Cost field, depending on the value of the Cost Method field for the part in the Generals Tab.

Serialized Glass Setup

Another key area to double check within Inventory Setup is the Serialized Glass Parts that have been created through the Glass Setup Utility.

- Go to inventory Setup (Setup > Inventory > Inventory) and toggle the type filter from Inventoried to Serialized Inventory. This will be the only screen in which Serialized Inventory can be viewed in, as it has a separate set of columns used for these parts compared to the rest of the inventoried parts. Once you have found your Serialized Glass Part that you are looking for, you will the following fields to verify the information for:
 - Categories – Make sure that the Product, Inventory and Vendor categories are correctly assigned. These should default to a category with the naming convention of “GLASS-{mmT} mm ({inT})”.

- b. Locations – When Multi-Location is enabled, you will need to verify that the correct location assignments are made for each part. By default, any glass parts created out of the Glass Setup Utility will enable the Inventory location for all locations.
- c. Weight – Sets the weight for the overall case of glass. This is useful information to have when placing orders, as the weight will help whoever is scheduling shipping routes to see how much weight a route will have, and how much more can be loaded onto a truck.
- d. Weight UOM – Change this only if you will be measuring the weight differently from the parent part that the serialized part derives from.
- e. Cost UOM - Change this only if your cost is calculated differently from the parent part that the serialized part derives from.
- f. Stock UOM - Change this only if your stock for serialized parts is accounted for differently from the parent part that the serialized part derives from.
- g. Setup – Within setup, there are a handful of different fields being set within this screen.
 - 1. Issue Category – The Part Category that our Parent Part be coming from.
 - 2. Issue Part – The Parent Part that the serialized part will be comprised of.
 - 3. Issue Qty – How much of our Issue Part will be included in the Serialized Part.
 - 4. Secondary Issue Category – This will only be used if you have Secondary parts setup for your inventoried parts. Otherwise, selecting a category from the drop down will not provide the user with anything additional to pick from.
 - 5. Secondary Issue Part – This will only be used if you have Secondary parts setup for your inventoried parts. Otherwise, selecting a category from the drop down will not provide the user with anything additional to pick from.
 - 6. Secondary Issue Qty – Quantity of the secondary part for each serialized part. This field will only show up if secondary parts are setup and selected.
 - 7. Serial Number Prefix – Once a serialized part has been received through Receipt Entry, it will be assigned a Serialized Number. An example of this would be “CASE”.
 - 8. Next Serial Number – The Next Serial Number field picks up from the last Serial Number created.

The screenshot shows a dialog box titled "Serialized Inventory". It contains the following fields and values:

- Issue Category: GLASS-2.5 mm (3/32")
- Issue Part: GL025.CL.-.-.048x064 - 2.5 mm (3/32") CLEAR 048x064
- Issue Qty: 15
- Secondary Issue Category: {All}
- Secondary Issue Part: (empty dropdown)
- Serial Number Prefix: CASE
- Next Serial Number: 2

Buttons: OK, Cancel

Customer Pricing Setup - Only available if item can be ordered

1. Pricing > Price Books
2. Select Category and Price Book name from drop downs (create if necessary)



- a. Assign customers to price book.
- 3. Add pricing to the glass one of two methods:
 - a. Add pricing to the glass by adding it to the option code (Example: CL). Ensure the rounding and per is set to your specifications.

CL	CLEAR	Item	---	---	\$0.00	\$0.00	0
DW	DIAMOND WIRE	Item	---	---	\$0.00	\$0.00	0
LE	LOW E	Item	---	---	\$0.00	\$0.00	0
LMCL	CLEAR LAMINATED	Item	---	---	\$0.00	\$0.00	0
MRCL	CLEAR MIRROR	Item	---	---	\$0.00	\$0.00	0

- b. Add pricing to the glass by adding it to the orderable part (Example: GL030.CL.-.-048X084). Ensure the rounding and per is set to your specifications.


▶	GL030.BRONZ.-.-072X084	3 mm (1/8") BRONZE 072x084	Feet ²	---	0	\$2.490	\$0.00	0
	GL030.CL.-.-048X064	3 mm (1/8") CLEAR 048x064	Feet ²	---	0	\$1.540	\$0.00	0
	GL030.CL.-.-072X084	3 mm (1/8") CLEAR 072x084	Feet ²	---	0	\$1.540	\$0.00	0

Vendor Setup

1. Find Vendor that part is purchased from
2. Parts Tab > enter vendor part number/ description or copy FV part number/description for created part using CTRL+R
3. Assign lead time, max and min purchase qty, and reorder qty

Vendor Price Book

1. Vendors > Price Books
2. Select Category and Price Book name from drop downs (create if necessary)

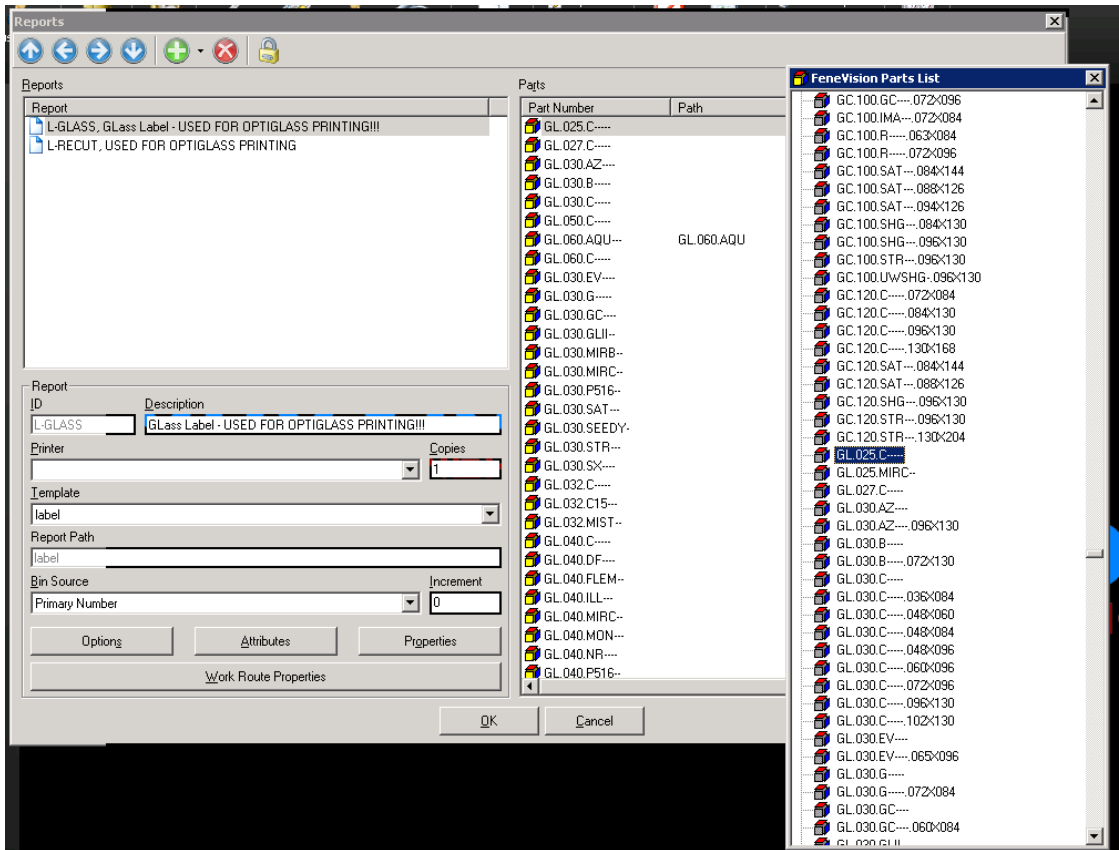
- a. Make sure Vendor with part assigned is assigned to the price book 
- 3. Enter price for created part

Report Setup

1. Enter report setup by going to Setup > Reports
2. Click the green plus sign and Add Part

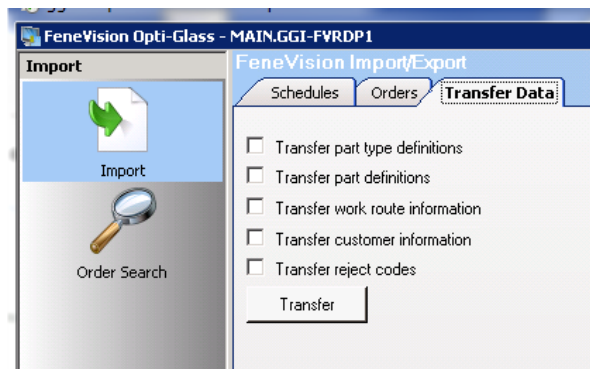


3. Drag the parent glass part (without stock size) from the part list to the Parts section of the screen.



Opti-Glass

1. Inside the main Opti-Glass Screen, click Import on the lower left side of the screen, then click Import again on the top left side of the screen.
2. Select Transfer Data tab.
3. Inside the "Transfer Data" tab ensure that all of the checkmarks are checked and click on the button



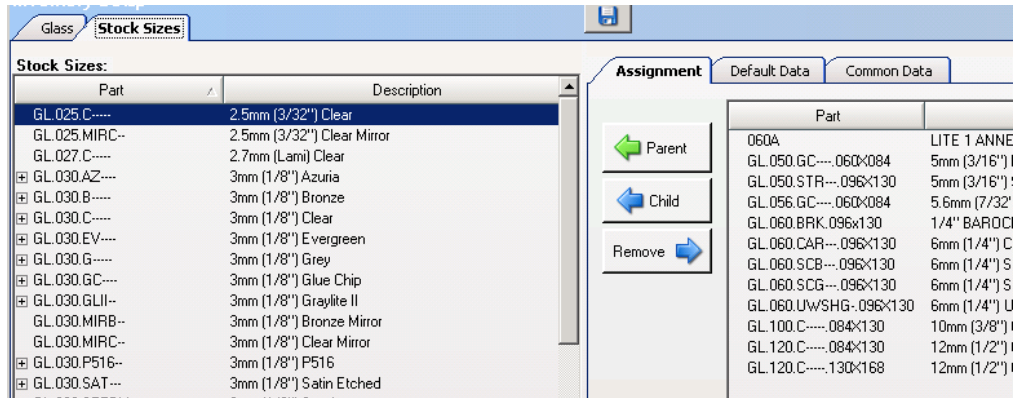
- a. After the transfer has been completed there will be a confirmation message

Opti-Glass Inventory Setup (Settings > Inventory)

1. Inside of inventory and under the "Glass" Tab inside of the inventory, locate the glass that you have created and imported from FeneVision CORE and ensure that it contains the correct items listed below. Note that all of these should get imported but it is good to double check.
 - a. Part Number

- b. Description
- c. PartID (Can be left blank)
- d. SKU (Can be set to -1)
- e. Size Information
 - i. Width (Do not need for non-stock sheets)
 - ii. Height (Do not need for non-stock sheets)
 - iii. Thickness

2. After verifying the information under the "Glass" Tab, then click on the "Stock Sizes" Tab. Inside of this tab, there will be a list on the left hand "Stock Size" (it represents the glass that has been configured in OptiGlass) and another list on the right hand (list containing all of the new available glass to be configured inside of Opti-Glass)



- 3. Click on the stock part and click on the "Default Data" tab and verify the following information:
 - a. The part is either enabled or optional
 - b. The Yield Factor is set to the percentage of glass that is expected to be used
 - c. Pattern Glass (If applicable)
 - i. Enable Pattern Glass
 - ii. Set the Pattern Direction
 - d. Set any necessary Trims (Make sure Trims are assigned to parent part as well)
 - e. Set the Store dimensions in which the glass should be stored for reutilization (If Applicable)

Assignment	Default Data	Common Data
Part:	Enabled	
Yield factor:	100	
Coating:	None	
Max. Subplate Width:	0 in	
Loader Position:	0	
<input type="checkbox"/> Pattern Glass		
Pattern Direction		
<input type="radio"/> Top <input type="radio"/> Right		
<input type="radio"/> Bottom <input type="radio"/> Left		
<input type="radio"/> Right or Left		
<input type="radio"/> Top or Bottom		
Trims:		
Left:	3/4	in
Bottom:	3/4	in
Right:	3/4	in
Top:	3/4	in
Internal:	3/4	in
Store		
Min Short Side:	40	in
Min Diagonal:	98	in
Max Short Side:	40	in
Max Diagonal:	98	in
Restock:	Disabled	