



COLOR HAS MET ITS MATCH

IMS 3.0 Ink Management System

USER MANUAL

PROPRIETARY: Use limited to
authorized users of IMS 3.0



Introduction

Ink Management Software (IMS) has been an essential component in textile ink rooms since the late 1980s when the first pigment concentrates (PC) systems were introduced. Using color systems offers a simple, efficient method to achieve Pantone® simulations and develop custom color. Every day, printers around the world count on the IMS 3.0 system to help them save time and money throughout the production process.

IMS 3.0 is a cloud-based solution for managing color and inventory in the textile screen printing market.* Offering tools for color creation and standardizing, IMS 3.0 manages daily maneuvers in a highly functional ink room by providing color management and communication agility. Color chip images appear with formulations to help with visual communication. Emailing of formulas and reporting will also feature the color display. The new platform and updated functionality will continue to add functional support and innovation to the concept of total ink room management.

From consistent, repeatable color matches in the ink room to smooth running inks on press, Avient color systems deliver the results that printers trust to grow their business. IMS 3.0 improves three critical areas of ink room functionality.

How Can IMS 3.0 Improve Your Ink Room Management?

Communication	• Provides expanded communication methods • Creates customized labeling • Offers visual color display • Accessible in the cloud, providing sharable formulas
Inventory Management	• Scans inventory • Visualizes inventory • Provides purchasing trends • Displays color trends
Consistent Quality = Productivity and Repeatability	• Approve more colors • Filters advanced options • Applies user preferences • Automates ink room management

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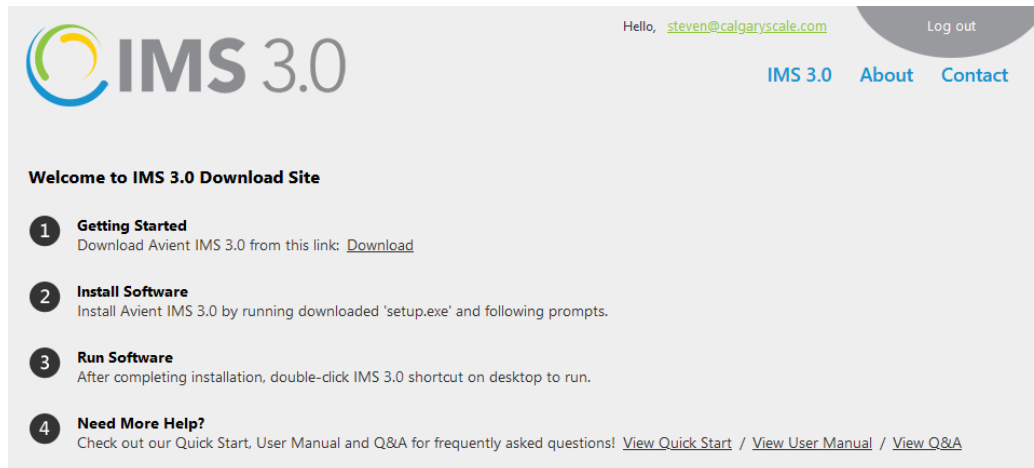


INSTALLATION

INSTALLING IMS 3.0

The IMS 3.0 download is available to Avient color system users by registering on the IMS 3.0 site. The following three steps will guide you through a successful installation.

1. To install IMS 3.0 on a Windows system, go to <https://p1ims.azurewebsites.net/Account/Login>
2. Enter your login credentials
3. Download



4. Once the download is complete, open the software and log back in using the same credentials to access the system.

HARDWARE ENVIRONMENT

REQUIREMENT	DESCRIPTION
Processor	x86 or x64 1 GHz Pentium processor or equivalent (minimum); 1 GHz Pentium processor or equivalent (recommended)
RAM	512 MB (minimum); 1 GB (recommended)
Hard Disk	Up to 1.5 GB of available space may be required
Display	800 x 600, 256 colors (minimum); 1024 x 768 high color, 32-bit (recommended)
Internet	Internet accessible

GETTING STARTED

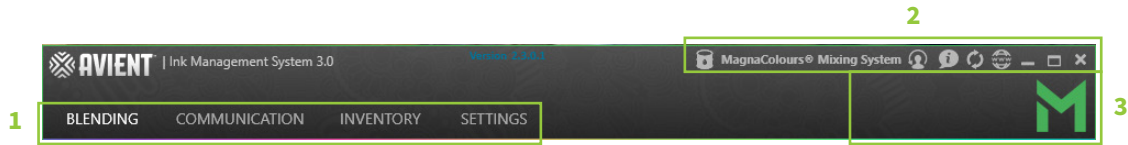
Filters	Apply all filters and set up default values and printers
Pantone® Numbers	Enter number exactly as it appears in the Pantone Formula Guide (i.e. 032 C is Orange 032 C, entering a space between C or U)
Custom Color Search	Select User Formula button in upper left corner
Creating Custom Palette/ Modifying Standard Colors	Begin formula search in the User Formula area; if a custom color is not found, select the Standard Formulas radio button to begin a new search
Printers, Labels and Scanners	• Choose any printer with a Windows driver • Use label stock best suited for selected printer • Scan using a single line hand-held laser device

INTERFACES

The IMS 3.0 has four main interfaces: blending, communication, inventory and settings. This section will outline each of the four interfaces and their features.

MAIN INTERFACE NAVIGATION

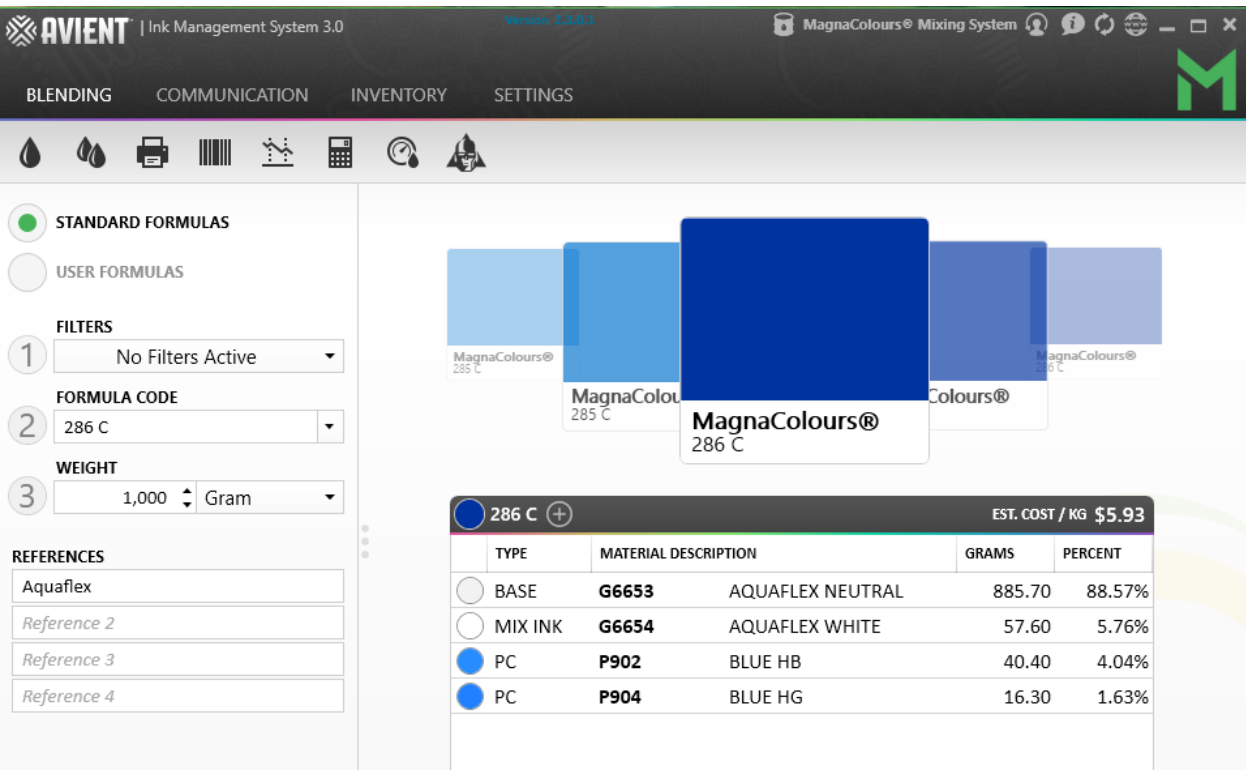
The navigation panel is the first element in the user interface. This navigation bar remains throughout the software.



- 1. Four tabs quickly switch between the Blending, Communication, Inventory, and Settings interfaces.
- 2. Color Systems Selection, Logout, About, Refresh, Minimize, Full Screen, and Close buttons.
- 3. Displays the current Color System in use.

Blending Interface

The blending interface is the first user interface shown upon starting the software.



BLENDING INTERFACE NAVIGATION

Below is a labeled image of the Blending Screen Bar with function descriptions.



1. Create a new formula

2. Clone a formula

3. Print a formula

4. Print a label

5. Deduct current formula from inventory
6. Calculate a formula cost

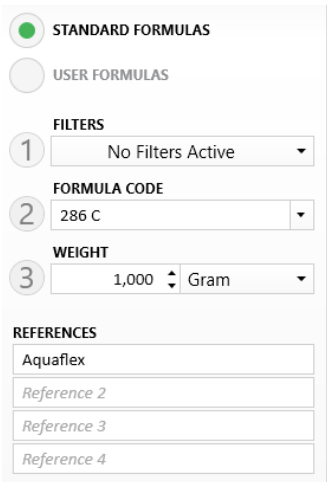
7. Blend a formula

8. Send formula to Corob dispenser

9. Recycle a formula

BLENDING INTERFACE FORMULA OPTIONS

Below is a labeled image of the formula options with function descriptions.



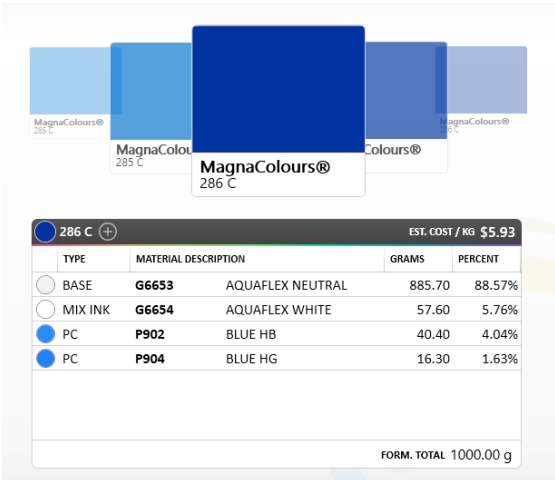
1. Toggle between a list of standard formulas and a list of formulas you have created (User Formulas).

2. Create filters to manage your database and select your desired weight.

3. Create user references to your formulas; references are useful for searching and organizing information (suggestions are customer, shirt style and job number).

FORMULA SELECTOR & INGREDIENT TABLE

Below is a labeled image of the Formula Selector and its associated ingredients and weights.



1. The Formula Selector uses a carousel to scroll through a selection of colors. Scroll using the left and right arrow keys while on the Formula Selector or by clicking one of the visual color chips.

2. Formula details are displayed in the table, including: Formula Type, Material Description, Material Code, Weight in grams (default), as well as the percentage of each ingredient found in the mix.

BLENDING INTERFACE FEATURES

This section will cover each function available within the Blending Interface, beginning with new formula creation.

Create a New Formula

1. Click the “New Formula” button on the Blending Screen bar.

A dialog box titled "New Formula Screen" with a close button (X) in the top right corner. It contains several input fields: "FORMULA CODE" (a text box), "DESCRIPTION" (a text box), "BASE TYPE" (a dropdown menu), and "REFERENCES (OPTIONAL)" (a table with 4 rows and 2 columns). To the right of the "FORMULA CODE" and "DESCRIPTION" fields is a "COLOR" section with a color picker icon. At the bottom right of the dialog box are two circular buttons: a green one with a white checkmark and a red one with a white 'X'.

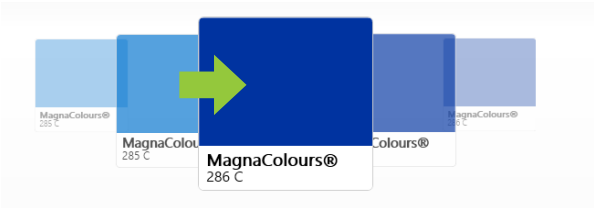
2. Selecting the “New Formula” button will prompt a dialog box to input details about the formula you are creating, including formula code, description, base type, references (optional) and color.

3. Once you have entered the required fields, click the  button at the bottom of the panel. You will be redirected to “User Formulas,” which will display the newly created formula. From this screen, you can add or remove ingredients, edit or delete your formula.



CLONE A FORMULA

1. To clone a formula, first select the target formula from the carousel.



2. Click the “Clone Formula” button on the Blending Screen navigation bar.



- 3. A dialog box will appear with pre-populated values. Add the Formula Code and Description inputs and add references to the newly cloned formula.
- 4. Click the “Finish” button at the bottom of the dialog box.
- 5. The User Formulas will appear with the newly cloned mix.
- 6. Add, remove, edit or delete clone if needed.

AVIENT | Ink Management System 3.0

MagnaColours® Mixing System

BLENDING

COMMUNICATION

INVENTORY

SETTINGS

NEW FORMULA

CLONE FORMULA

PRINT FORMULA

PRINT LABEL

DEDUCT INVENTORY

CALCULATE

BLEND FORMULA

SEND COROB

SAVE CHANGES

DELETE FORMULA

STANDARD FORMULAS

USER FORMULAS

1 No Filters Active

2 2138 C - Test

3 1,000 Gram

Aquaflex

Oscar Renteria

Reference 3

Reference 4

User Mix

286 C Clone

User Mix 286 C Clone

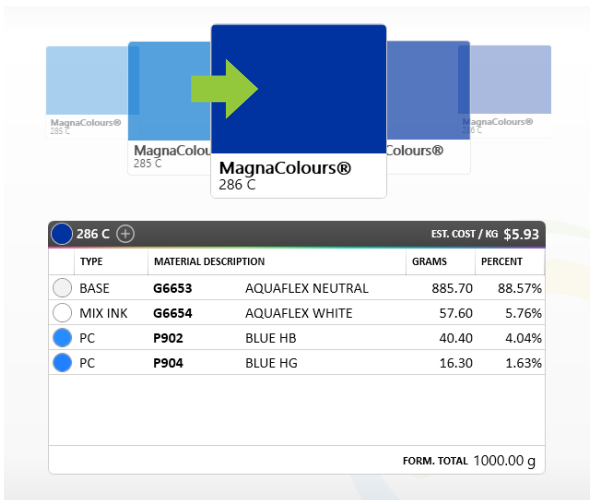
EST. COST / KG \$5.93

TYPE	MATERIAL DESCRIPTION	GRAMS	PERCENT
BASE	G6653 AQUAFLEX NEUTRAL	885.70	88.57%
MIX INK	G6654 AQUAFLEX WHITE	57.60	5.76%
PC	P902 BLUE HB	40.40	4.04%
PC	P904 BLUE HG	16.30	1.63%

FORM. TOTAL 1000.00 g

PRINT A FORMULA

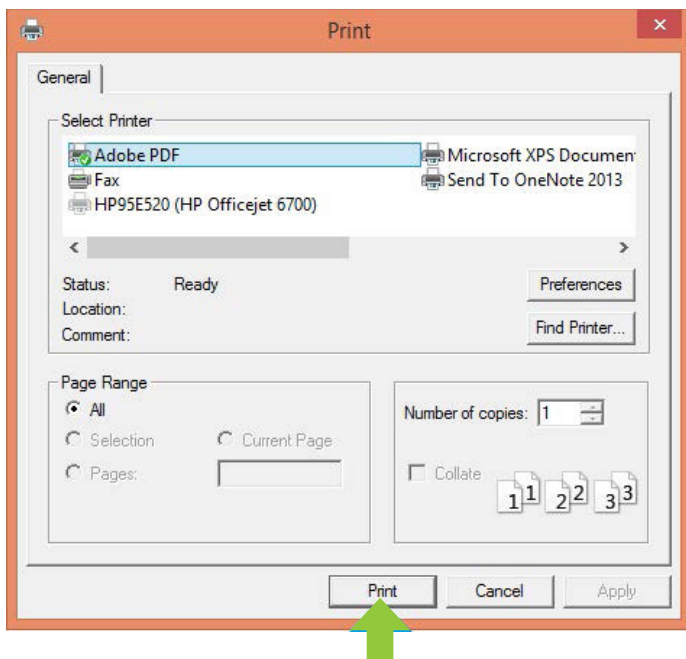
1. Select the formula from the Formula Selector.



2. Click the Print Formula button on the Blending Screen navigation bar.

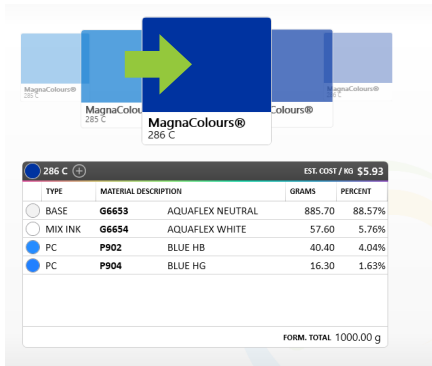


3. A dialog box will appear with a prompt to confirm choice. Click OK.
4. Select printer and click the Print button.



PRINT A LABEL

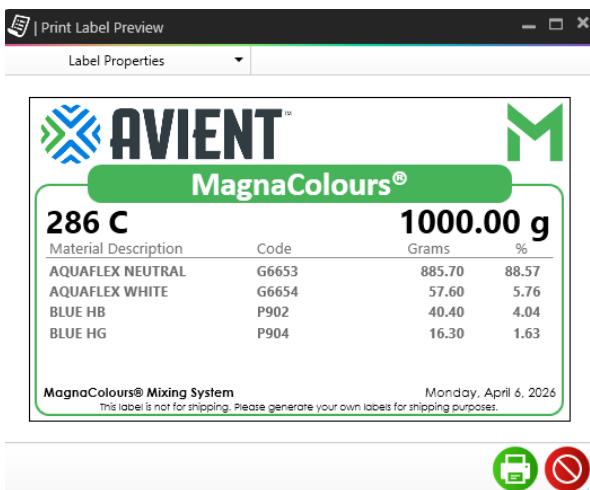
1. Select the target color from the Formula Selector.



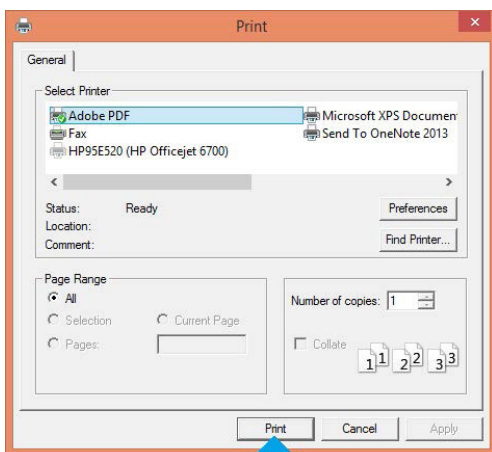
2. Click the Print Label button on the Blending Screen navigation bar.



3. A dialog box will appear with a prompt to confirm choice. Click OK.

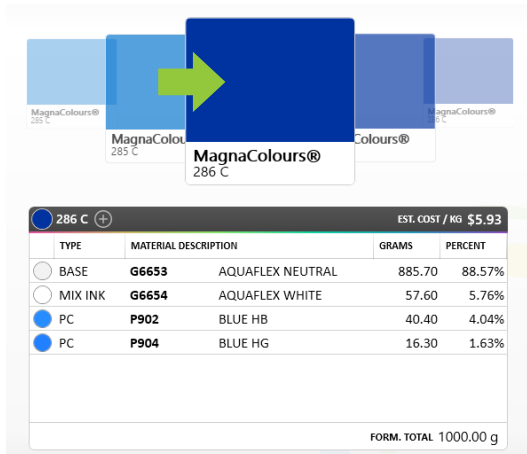


4. Select printer and click the Print Label button.



DEDUCT INVENTORY

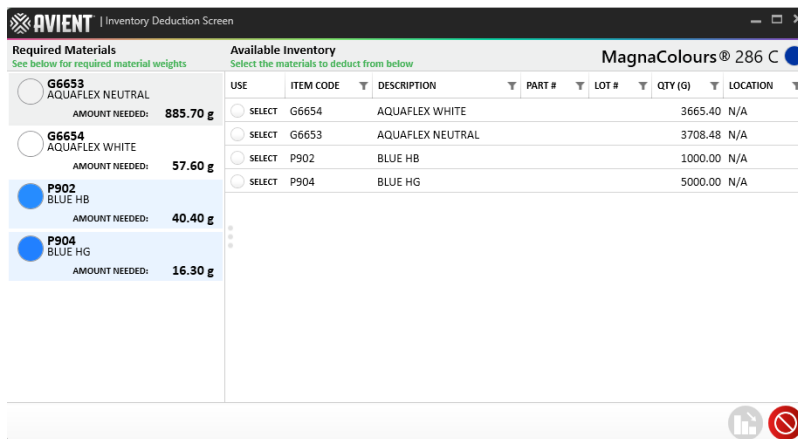
1. Select the target formula from the Formula Selector.



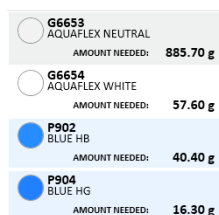
2. Click the Deduct Inventory button on the Blending Screen navigation.



3. Upon clicking Deduct Inventory, the below screen will appear. The left panel will display the amount of each ingredient needed for the mix. The items on the right will list corresponding available inventory for each ingredient needed. Check for adequate inventory before blending.



4. To begin deducting the required amount for each ingredient, check the Select check boxes under the Use column in the table.
5. Notice the amount needed for each selected ingredient updates after checking the Select box for each corresponding ink.



- Continue to select check boxes for each ingredient in the formula.

- After all ingredients have been selected, click the Deduct Inventory button to deduct each required ingredient from current inventory.



CALCULATE INK COST

There are three modes to calculate ink costs within the Blending Interface.

- Actual: calculates the cost based upon actual ink deposit.
- Theoretical: calculates the cost based upon theoretical ink deposit of screen mesh and image size.
- Specify Amount: calculates the cost based upon a specified amount of ink.

- Select the target formula from the Formula Selector.

286 C		EST. COST / KG \$5.93	
TYPE	MATERIAL DESCRIPTION	GRAMS	PERCENT
BASE	G6653 AQUAFLEX NEUTRAL	885.70	88.57%
MIX INK	G6654 AQUAFLEX WHITE	57.60	5.76%
PC	P902 BLUE HB	40.40	4.04%
PC	P904 BLUE HG	16.30	1.63%

FORM. TOTAL 1000.00 g

- Click the Calculate button on the Blending Screen navigation.



- Choose a mode from the navigation drop down menu:
 - Grams/Print: calculates actual ink deposit
 - Print Area: calculates theoretical ink deposit of screen mesh and image size
 - Specify Amount: calculates specified amount of ink

	GRAMS / PRINT		MATERIAL DESCRIPTION	MATERIAL CODE	GRAMS	PERCENT
1	10 g	☐	AQUAFLEX NEUTRAL	G6653	8857.00	88.57%
		☐	AQUAFLEX WHITE	G6654	576.00	5.76%
2	1,000	☒	BLUE HB	P902	404.00	4.04%
		☒	BLUE HG	P904	163.00	1.63%

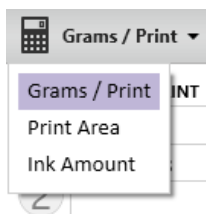
Calculating Ink Cost: Grams Per Print

Grams per print estimation is referenced by the actual cost estimation. This calculation is based upon the weight of the ink on the garment multiplied by the number of units/prints.

- Determine the weight of a print.
 - Cut two pieces of cloth of equal size
 - Weigh and record the unprinted pieces
 - Print the image on the second piece of cloth and weigh before curing ink
 - The difference between the two pieces of cloth represents the actual ink on the garment*

*Note: this does not include ink for the ink well or flood stroke

- Select the Grams/Print mode from the drop-down menu.

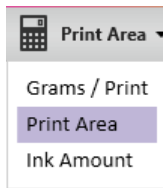


- Complete details on the left panel, including the weight in grams per print, as well as the number of prints.
- The ingredient table displays the amount of each ingredient needed to fill the batch requirement.
- Click the Finish button to redirect back to the Blending Screen with new formula, updated base total and material weights.

Calculating Ink Cost: Print Area

Print area estimation is referenced by the theoretical ink deposit of screen mesh and image size.

1. Select the Print Area mode from the drop-down menu.



2. Complete details on the left panel, including number of prints, height, width, mesh per inch and coverage.

OF PRINTS
1

HEIGHT **WIDTH**

MESH PER INCH
3 ▼

PERCENT COVERAGE
4

3. The ingredient table displays the amount of each ingredient needed to fill the batch requirement.
4. Click the Finish button to redirect back to the Blending Screen with new formula, updated base total and material weights.

The screenshot shows the AVIENT Ink Management System 3.0 interface. The left panel contains filters and formula details. The main area displays a visual representation of the ink formula and an ingredient table.

Ingredient Table:

TYPE	MATERIAL DESCRIPTION	GRAMS	PERCENT
BASE	G6653 AQUAFLEX NEUTRAL	4259.07	88.57%
MIX INK	G6654 AQUAFLEX WHITE	276.98	5.76%
PC	P902 BLUE HB	194.27	4.04%
PC	P904 BLUE HG	78.38	1.63%

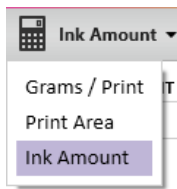
FORM. TOTAL 4808.71g

EST. COST / KG \$5.93

Calculating Ink Cost: Ink Amount

Ink amount estimation is referenced by the calculated cost based upon a specified amount of ink.

1. Select the Ink Amount mode from the drop-down menu.



2. Enter the target amount of ink in Ink Amount field on the left panel.
3. The Batch Amount, Batch Cost, Cost per KG and Cost per Print will update based upon the Ink Amount target.

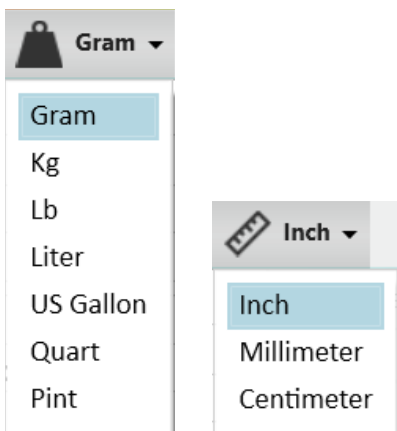
A screenshot of the AVIENT Calculation Screen. The interface shows a 'MagnaColours® 286 C' color selection. On the left, there's an 'INK AMOUNT' field with a value of '1,000 g'. Below it is a green 'CALCULATE' button. The main area displays a table of materials with their descriptions, material codes, grams, and percentages. At the bottom, there are four fields for 'BATCH AMOUNT', 'BATCH COST', 'COST / KG', and 'COST / PRINT', each with a green checkmark icon next to it. The values are: 1 kg, \$5.93, \$5.93, and \$0.000 respectively. A green checkmark and a red 'X' icon are at the bottom right.

4. Click the  button to redirect back to the Blending Screen with new formula, updated base total and material weights.

Change Units of Measurement

Several units of measurement are available to calculate cost.

1. Click either the weight or measuring tape icon to change the unit of measurement.



2. Select desired unit to update all cost estimates.

BLEND SCALE

This command will send formulas to the Blend Scale.

Follow the instructions below to blend using the Blend Scale.

1. Ensure the Blend Scale port is configured correctly. Check this by clicking the Settings tab on the main navigation screen and then clicking the Blending tab.

AVIENT Ink Management System 3.0

MagnaColours® Mixing System

BLENDING COMMUNICATION INVENTORY SETTINGS

APPLY CHANGES RESET DEFAULTS

GENERAL USER BLENDING INVENTORY

Blend Screen Defaults

DEFAULT FORMULA WEIGHT 1,000.00 Gram

DEFAULT LABEL PRINTER

SCALE TYPE Sartorius PMA Series

SCALE COM PORT

COROB DIRECTORY C:\Users\venterio\Downloads

Mix Grid View

ENTER MATERIALS BY CODE DESCRIPTION

Manual Scale Blending

AUTO-SWITCH INTERVAL 5.00

AUTO-SWITCH INGREDIENTS MATERIAL TOLERANCE 0.10

2. If COM port does not appear, click the Refresh icon beside the respective drop-down menus. Check the equipment to ensure it is connected properly.



3. After ensuring proper connectivity, navigate back to the Blending screen and select the target color from the Formula Selector to begin blending.

MagnaColours® 285 C

MagnaColours® 285 C

MagnaColours® 286 C

MagnaColours® 286 C

286 C (+) EST. COST / KG \$5.93

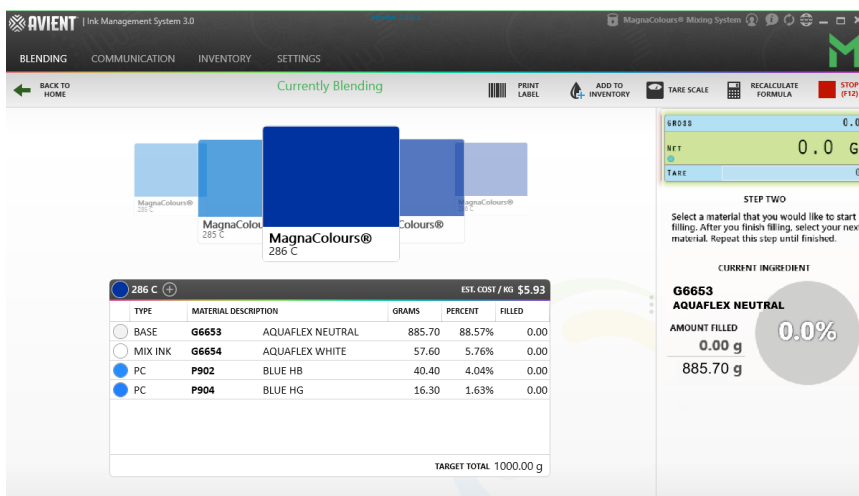
TYPE	MATERIAL DESCRIPTION	GRAMS	PERCENT
BASE	G6653 AQUAFLEX NEUTRAL	885.70	88.57%
MIX INK	G6654 AQUAFLEX WHITE	57.60	5.76%
PC	P902 BLUE HB	40.40	4.04%
PC	P904 BLUE HG	16.30	1.63%

FORM. TOTAL 1000.00 g

4. Click the Blend Scale/DM4 button on the Blending Screen navigation bar to begin scale/DM4 integration.



- The blending panel will then slide out and the interface will resemble the image below.



- Place an empty bucket on the scale to tare weight and click the Start button on the right side of the screen to begin the blending process.
- Choose an ingredient from the table on the left to begin weighing the formula. Information about the material will display on the right panel. This includes the current ingredient code, amount of ingredient needed and the amount of ingredient filled. The Total Amount Filled displays the collective weight of all ingredients in the blend.

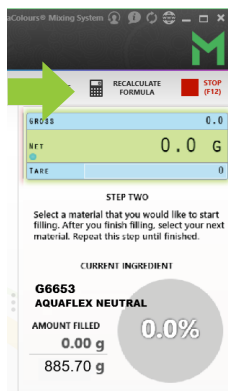


TIP: Start with the heaviest component first, the mixing base. If overweight, remove ink from the top of the mixture.

- Begin to add ingredients to the bucket. The grey circle will begin to fill as ingredients are added into the bucket, and the Total Amount Filled will begin to calculate the weight of ingredients added.
- When the grey sphere displays 100%, select the next ingredient and repeat the process until the target total of all ingredients has been added.
- Optional: to add blending ingredients to Inventory, click the Add to Inventory button at the bottom of the left-side panel. A dialog box will appear with fields to describe the mix before it is recorded into inventory.
- When all ingredients have been added into the formulation, click the Finish Blend button at the bottom of the interface. IMS 3.0 will redirect to the Blending Screen.



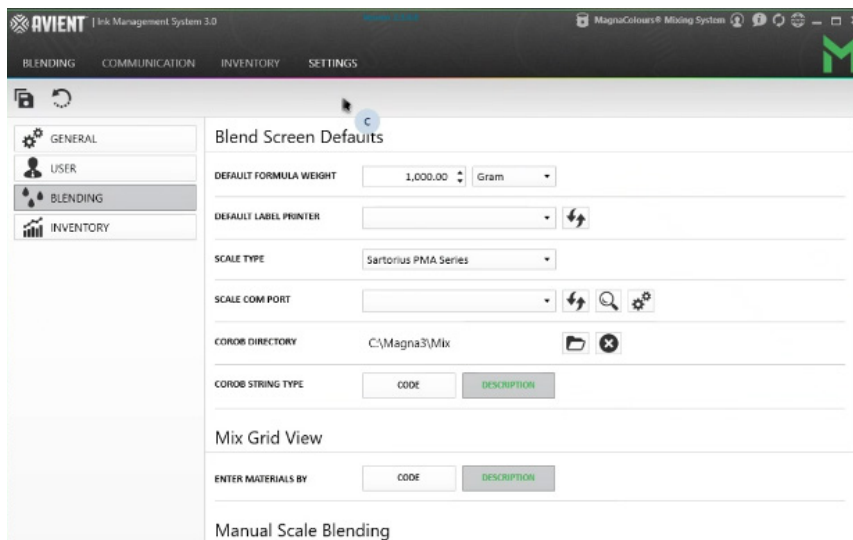
TIP: If a component exceeds target weight, click the Recalculate button to change base total and compensate for overpour.



BLENDING WITH COROB

This command will send formulas to the COROB EVO Series dispenser. Follow the instructions below to blend using the COROB EVO Series dispenser.

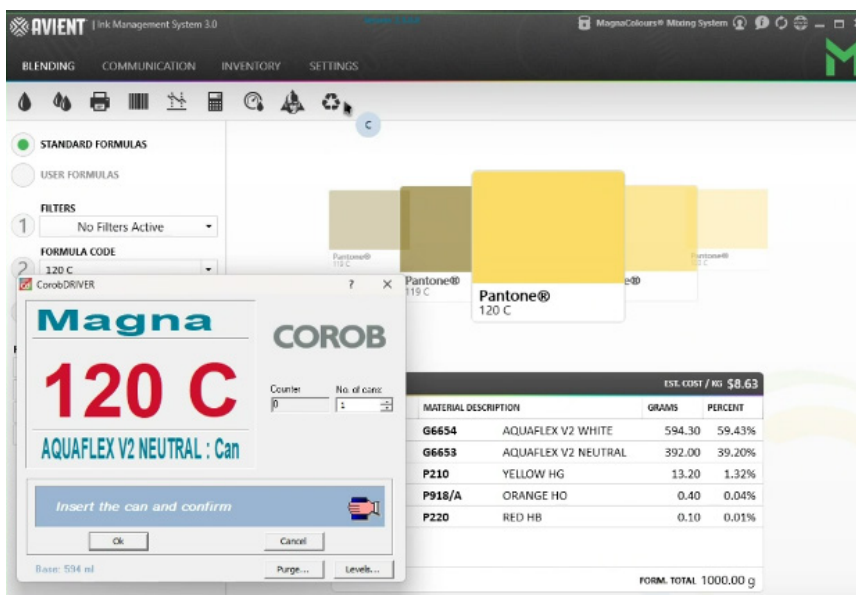
1. Go to Settings tab.
2. Ensure the COROB directory is defined. Note: This folder is assigned during the installation of the COROB EVO Series dispenser.
3. During the COROB EVO Series installation, you will be prompted to define whether communication uses the Avient material code or material description. Verify you select the option that matches what the COROB DRIVER is configured to use.



4. In the Blending after you select a color, click on “Send COROB”.



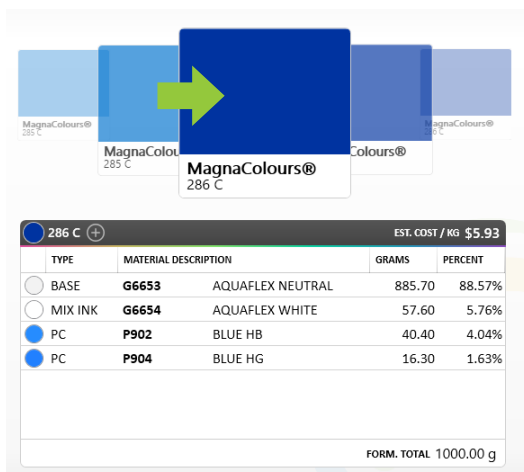
5. After sending the formula to COROB, the COROB DRIVER will appear to start the dispensing process.



RECYCLE A FORMULA

IMS 3.0 provides guidance to recycle all formulas.

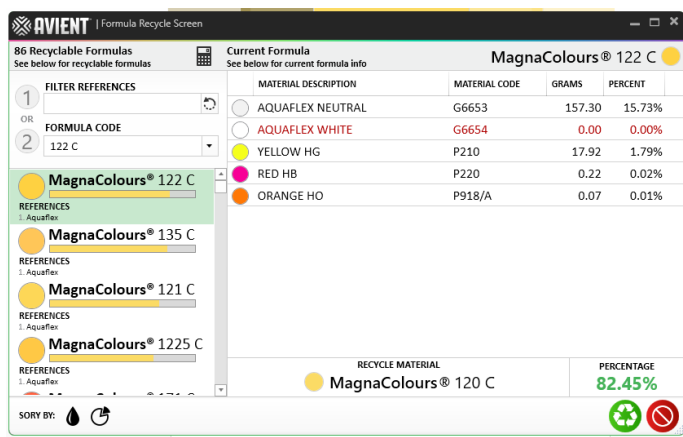
1. Select the target recycle formula from the Formula Selector.



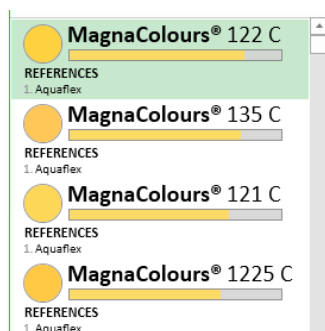
2. Click the Recycle button on the Blending Screen navigation.



3. A complete list of compatible formulas is on the left and recyclable materials appear on the right. The percentage of the formula to be recycled appears in the bottom right window.



4. Select the formula to recycle.



5. Click the Create button at the bottom of the window to redirect back to the Blending Screen with New Formulas toggled. The new formula will appear with the recycled component as an ingredient.



6. Optional: edit, delete or add items to the material table.

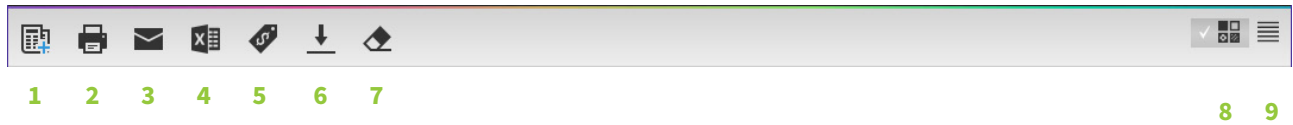


COMMUNICATION INTERFACE

Sharing is easy with the IMS3.0 software. Export to Microsoft Excel, print or email formulas. This section will cover each function available within the Communication Interface, beginning with new formula creation.

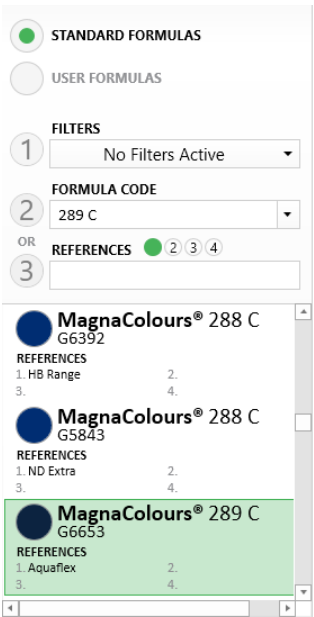
COMMUNICATION INTERFACE NAVIGATION

The navigation panel is the first element in the user interface. This navigation bar remains throughout the software.



- 1. Add selected formula
- 2. Print a list of selected formulas
- 3. Email the selected formulas
- 4. Export selected formulas into an Excel spreadsheet
- 5. Generate a cost report
- 6. Back up user formulas
- 7. Clear all formulas
- 8. Change the formula view to a grid
- 9. Change the formula view to a list

COMMUNICATION INTERFACE OPTIONS



Legend

- 1. View Standard Formulas
- 2. View User Formulas
- 3. Select Filter for displaying formulas
- 4. Current selected formulas
- 5. View formulas with specific references
- 6. List of available formulas

FORMULA LIST

The Formula List displays all of the formulas selected for export, email, print or backup.

 MagnaColours® 285 C	G7067 MAGNATRANS WHITE
 MagnaColours® 286 C	G5665 DISCHARGE BASE ABAW
 MagnaColours® 286 C	G6392 HB OPAQUE
 MagnaColours® 289 C	G6653 AQUAFLEX NEUTRAL
 MagnaColours® 289 C	G6653 AQUAFLEX NEUTRAL

COMMUNICATION INTERFACE FEATURES

Create lists and change list views.

Add Formulas to a Formula List

To add formulas to the Formula List, follow the steps below.

1. Choose to either add a User Formula or Standard Formula to the Formula List by toggling the appropriate button.

☒ STANDARD FORMULAS

☐ USER FORMULAS

2. Select all formulas to add to the target Formula List.

AVIENT | Ink Management System 3.0

MagnaColours® Mixing System

BLENDING

COMMUNICATION

INVENTORY

SETTINGS

ADD TO LIST

PRINT

EMAIL

COST REPORT

CLEAR PRINT LIST

STANDARD FORMULAS

USER FORMULAS

1

2

3

FILTERS

FORMULA CODE

REFERENCES

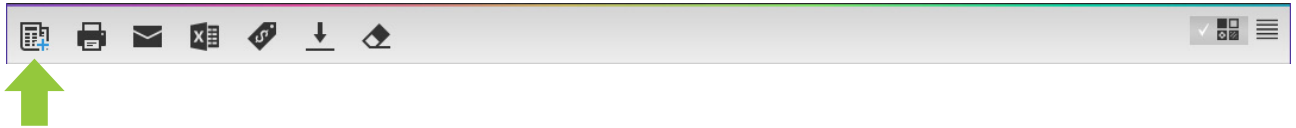
MagnaColours® 2915 C

MagnaColours® 2915 C

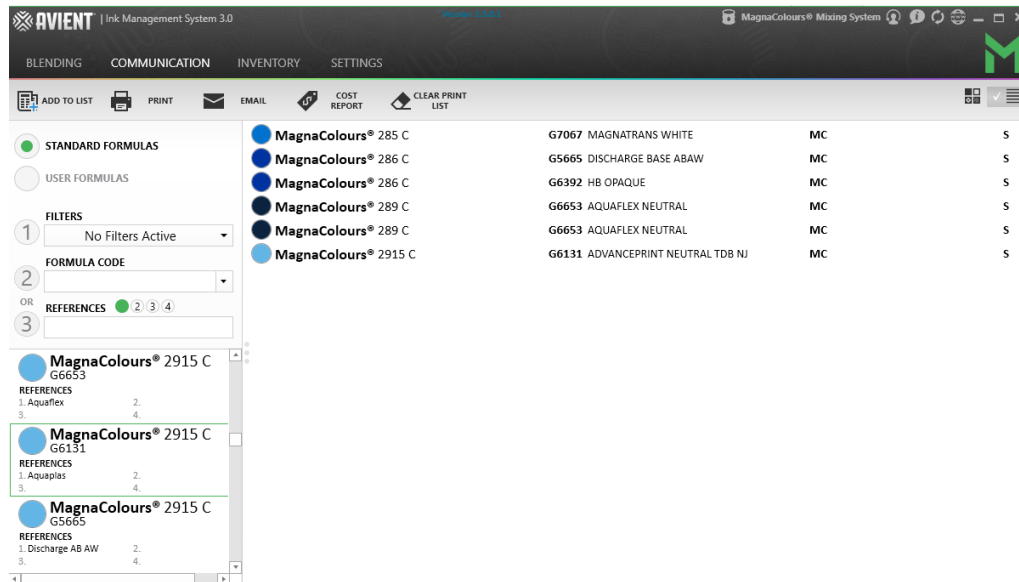
MagnaColours® 2915 C

 MagnaColours® 285 C	G7067 MAGNATRANS WHITE	MC	S
 MagnaColours® 286 C	G5665 DISCHARGE BASE ABAW	MC	S
 MagnaColours® 286 C	G6392 HB OPAQUE	MC	S
 MagnaColours® 289 C	G6653 AQUAFLEX NEUTRAL	MC	S
 MagnaColours® 289 C	G6653 AQUAFLEX NEUTRAL	MC	S

- Click “Add to List” button on the Communication Interface navigation.



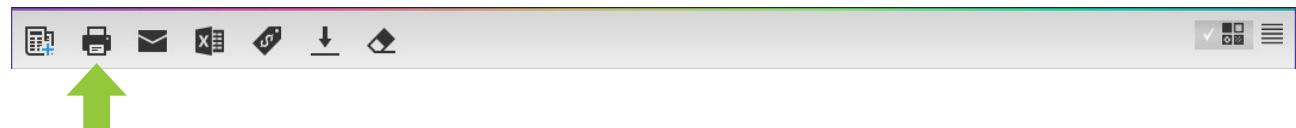
- The selected formulas will appear in the Formula List.



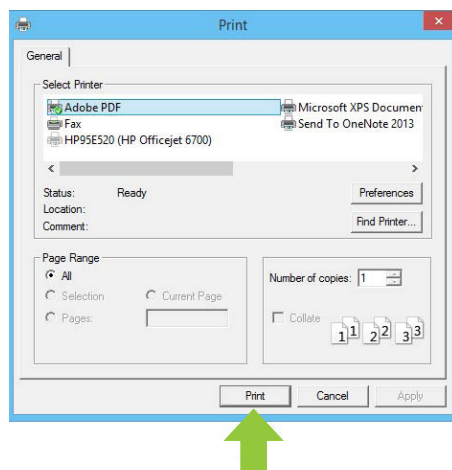
Print the Formula List

To print formulas from the Formula List, follow the steps below.

- After adding all desired formulas to the Formula List, click the Print button on the Communication Interface navigation.



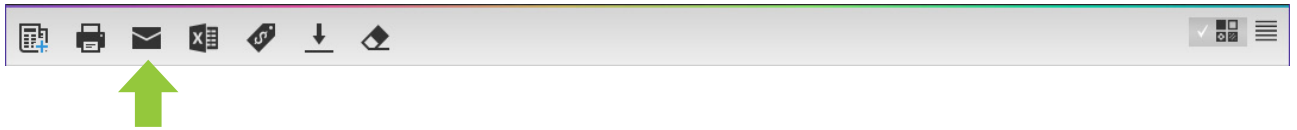
- After clicking Print, a dialog box will appear to confirm print choice; review the formula list and click OK.
- Click Print.



Email the Formula List

To email formulas from the Formula List, follow the steps below.

1. Click the Email button on the Communication Interface Navigation.

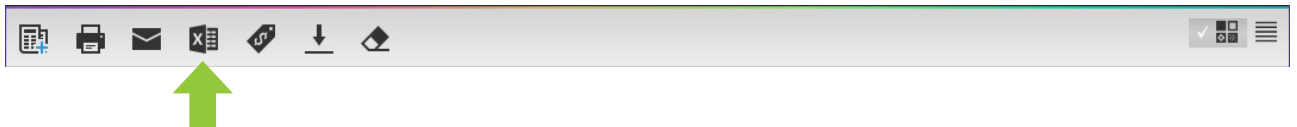


2. After clicking Email, a dialog box will appear to confirm email choice; review the Formula List and click OK.
3. The default email client will open with the selected list included as an attachment.

Export the Formula List

To export formulas from the Formula List, follow the steps below.

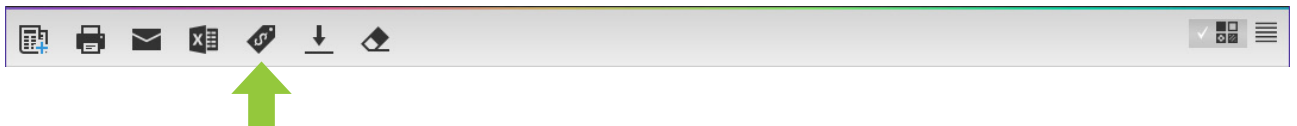
1. After adding all desired formulas to the Formula List, click the Print button on the Communication Interface navigation.



2. A dialog box will appear to confirm export choice; review the Formula List and click OK.
3. Microsoft Excel will open with Formula List loaded into a spreadsheet.

Generate a Cost Report

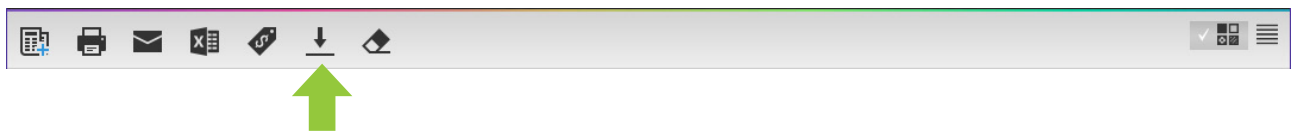
Click price tag icon to begin generating a cost report.



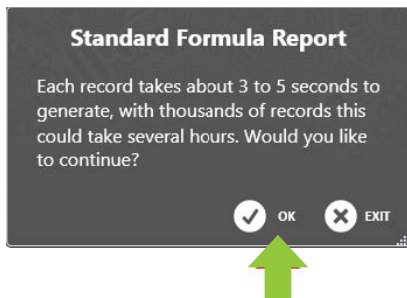
Back-Up User Formulas

Follow the steps below to create a backup report of a Formula List. This is a convenient way to create a hard copy formula guide to use in the event of computer outage.

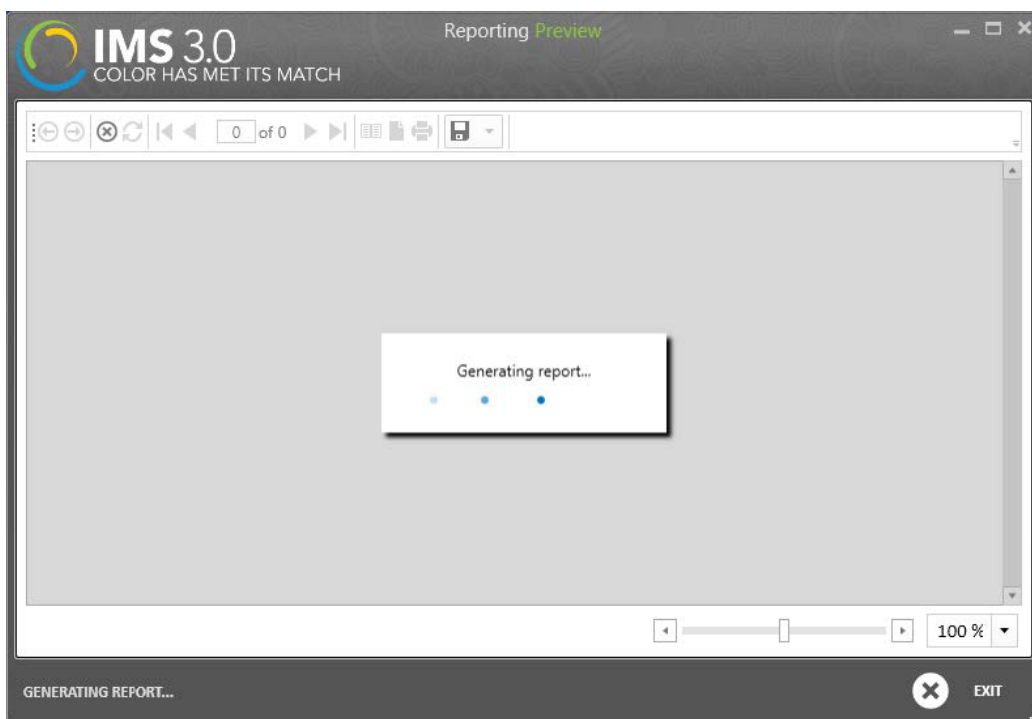
1. Add all relevant formulas to a Formula List, and click Formula Backup on the Communication Interface Navigation.



2. Confirm backup decision and click OK.



3. IMS 3.0 will generate a backup report containing information from the Formula List.



4. Do not close the application until prompted that the backup is complete.

CHANGE A FORMULA LIST VIEW

To change how the Formula List is displayed, click the Grid View or List View buttons on the Communication Interface Navigation.

Grid View

The grid view displays a visual summary of the Formula List.



List View

The List View displays Formula List as a table summary.

MagnaColours® 285 C	G7067 MAGNATRANS WHITE	MC	S
MagnaColours® 286 C	G5665 DISCHARGE BASE ABAW	MC	S
MagnaColours® 286 C	G6392 HB OPAQUE	MC	S
MagnaColours® 289 C	G6653 AQUAFLEX NEUTRAL	MC	S
MagnaColours® 289 C	G6653 AQUAFLEX NEUTRAL	MC	S



INVENTORY INTERFACE

IMS 3.0 is an inventory management tool, helping printers to estimate costs, view quantities and add new ink into inventory.

INVENTORY INTERFACE NAVIGATION

The following features are available in the Inventory Interface:

SAVE CHANGES

ADD NEW ITEM

HISTORY

COSTING

UPDATE COSTS

MANUAL INCREASE

MANUAL DECREASE

DELETE ITEM

1

2

3

4

5

6

7

8

1. Save changes to the items in inventory
2. Add new formulas or materials to inventory
3. Display recent inventory history
4. Display costing table associated with items in your inventory
5. Update any cost changes made in the costing table
6. Manually increase the quantity of a selected material
7. Manually decrease the quantity of a selected material
8. Delete the selected material

INVENTORY ITEMS

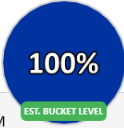
The inventory view displays various information, such as formula item, cost per KG, dealer/lot number, quantity left/used, a visual representation of remaining inventory and the date the item was added and last used. [Note: if nothing is in inventory, this area will be blank by default]

**286 C**
286 C

Est. Cost / Kg
\$5.93

Qty. Left (Grams)
5000.00

Qty. Used (Grams).
0.00

**100%**
EST. BUCKET LEVEL

FO NUMBER	BASE TYPE	PART #	LOT #	LOCATION	DATE ADDED	LAST USED
N/A	G6653			N/A	4/7/2026 10:46:26 AM	4/7/2026 10:46:26 AM

INVENTORY INTERFACE FEATURES

There are multiple methods to manage inventory in IMS 3.0. The following section will outline each method.

Add an Item

To add an item into inventory, follow the steps below:

- 1. Click Add Item on the Inventory Interface Navigation.



- 2. Select whether the item is a formula or a material, enter bucket type, quantity and dealer/lot numbers (optional). [Note: the functionality is identical for formulas and materials]

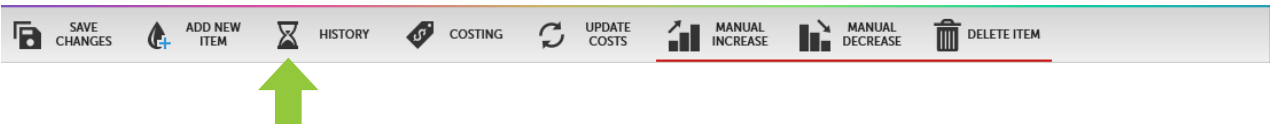
- 3. Click  Item at the bottom of the dialog box to add the item into inventory.
- 4. The item will refresh in the Inventory section, the dialog box will close and the following screen will appear and include the new information.

 286 C 286 C		Est. Cost / Kg \$5.93	Qty. Left (Grams) 5000.00	Qty. Used (Grams). 0.00		
FO NUMBER N/A	BASE TYPE G6653	PART #	LOT #	LOCATION N/A	DATE ADDED 4/7/2026 10:46:26 AM	LAST USED 4/7/2026 10:46:26 AM

View History

To view the history of items in inventory as well as any changes made to items in inventory, follow the steps below.

- 1. Click the History button on the Inventory Interface Navigation.



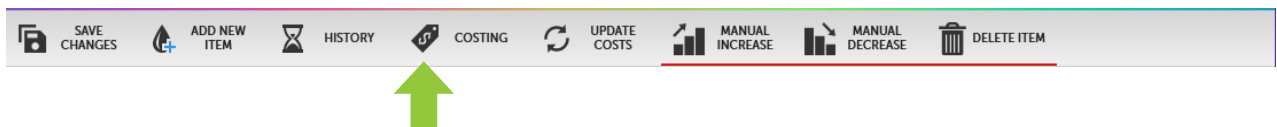
- The Inventory History Preview window will appear. This contains information such as the date the item was added, item code, description amount of ink used, total amount, as well as any comments related to a specific item.

DATE	ITEM CODE	DESCRIPTION	USED (GRAMS)	TOTAL (GRAMS)	COMMENTS
04/07/2026	286 C	286 C	0.00	5000.00	Item Added: 286 C (500...
04/06/2026	P904	BLUE HG	0.00	5000.00	Item Added: P904 (5000...
04/06/2026	P902	BLUE HB	0.00	1000.00	Item Added: P902 (1000...
04/01/2026	G6654	AQUAFLEX WHITE	120.00	3665.40	Used to create 100 C
04/01/2026	G6653	AQUAFLEX NEUTRAL	76.92	3708.48	Used to create 100 C
04/01/2026	P210	YELLOW HG	3.08	4081.42	Used to create 100 C
04/01/2026	P210	YELLOW HG	0.00	4084.50	Item Added: P210 (4084...
04/01/2026	G6653	AQUAFLEX NEUTRAL	0.00	3785.40	Item Added: G6653 (378...
04/01/2026	G6654	AQUAFLEX WHITE	0.00	3785.40	Item Added: G6654 (378...
04/01/2026	P962	WHITE HW	0.00	3899.00	Item Added: P962 (3899...

View Costing Tool

To view the costing related to the items in inventory, follow the steps below.

- Click the Costing button on the Inventory Interface Navigation.



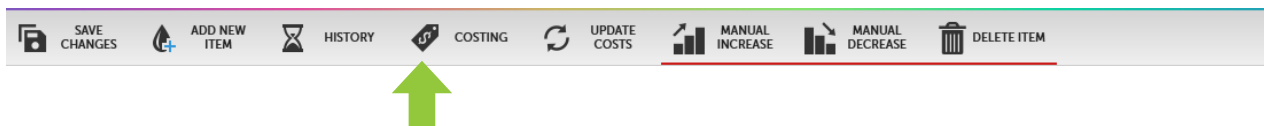
- The Costing data table will appear. This contains costing data related to the items in your inventory as well as the Item Code, Description, Cost per KG and the date the item was edited.

ITEM CODE	DESCRIPTION	COST / KG	EDITED
P962	WHITE HW	\$10.00	04/01/2026
P205	YELLOW HR	\$12.00	04/01/2026
P210	YELLOW HG	\$10.00	04/01/2026
P220	RED HB	\$13.00	04/01/2026
P225	RED HG	\$14.00	04/01/2026
P902	BLUE HB	\$15.00	04/01/2026
P904	BLUE HG	\$16.00	04/01/2026
P908	NAVY HR	\$10.00	04/01/2026
P6220	BLACK NGN	\$11.00	04/01/2026
P918/A	ORANGE HO	\$12.00	04/01/2026
P245	GREEN HB	\$13.00	04/01/2026
P620	FLUO YELLOW HFY	\$15.00	04/01/2026
P625	FLUO ORANGE HFO	\$15.00	04/01/2026
P630	FLUO RED HFR	\$18.00	04/01/2026
P635	FLUO PINK HFP	\$20.00	04/01/2026

Update Cost

To update the cost of a specific item, follow the steps below.

1. Click the Costing button on the Inventory Interface Navigation.

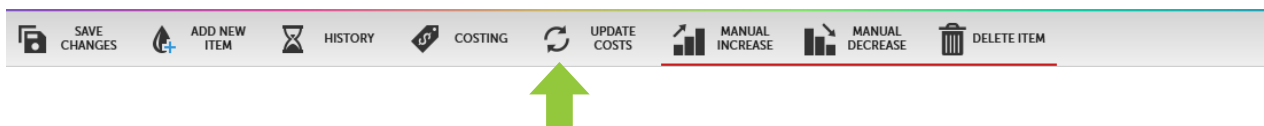


2. The Costing data table will appear. Select the item to update.

The image shows a window titled "AVIENT | User Costing Screen". Below the title bar, there is a prompt: "Drag a column header and drop it here to group by that column" and "Press 'ENTER' to set cost to the selected item." Below this is a table with the following columns: ITEM CODE, DESCRIPTION, COST / KG, and EDITED. The table contains 18 rows of data. The row for P6220 (BLACK NGN) is highlighted, showing a cost of 11.0000 and an edit date of 04/01/2026. At the bottom right of the table, there are two circular icons: a green one with a checkmark and a red one with a cross.

ITEM CODE	DESCRIPTION	COST / KG	EDITED
P962	WHITE HW	\$10.00	04/01/2026
P205	YELLOW HR	\$12.00	04/01/2026
P210	YELLOW HG	\$10.00	04/01/2026
P220	RED HB	\$13.00	04/01/2026
P225	RED HG	\$14.00	04/01/2026
P902	BLUE HB	\$15.00	04/01/2026
P904	BLUE HG	\$16.00	04/01/2026
P908	NAVY HR	\$10.00	04/01/2026
P6220	BLACK NGN	11.0000	04/01/2026
P918/A	ORANGE HO	\$12.00	04/01/2026
P245	GREEN HB	\$13.00	04/01/2026
P620	FLUO YELLOW HFY	\$15.00	04/01/2026
P625	FLUO ORANGE HFO	\$15.00	04/01/2026
P630	FLUO RED HFR	\$18.00	04/01/2026
P635	FLUO PINK HFP	\$20.00	04/01/2026

3. Enter new cost.
4. Press Enter on your keyboard.
5. Click the Save Changes button at the bottom of the window.
6. After saving all changes, close the costing window and click the Update Cost button on the Inventory Interface Navigation.



7. Cost changes are now visible for the line item.

The image shows a detailed view of an item, P210 YELLOW HG. The item is represented by a yellow circle icon. The "Est. Cost / Kg" is \$10.00, which is circled in green. The "Qty. Left (Grams)" is 4081.42 and the "Qty. Used (Grams)" is 3.08. A yellow circle on the right shows "99.9%" with "EST. BUCKET LEVEL" below it. At the bottom, there is a table with columns: FO NUMBER, BASE TYPE, PART #, LOT #, LOCATION, DATE ADDED, and LAST USED.

FO NUMBER	BASE TYPE	PART #	LOT #	LOCATION	DATE ADDED	LAST USED
P210Z1	N/A			N/A	4/1/2026 10:21:31 AM	4/1/2026 10:21:46 AM

Manual Increase

To manually increase the quantity of an item, follow the steps below.

1. Select the desired item from inventory and click the Manual Increase button on the Inventory Interface Navigation.



2. Enter amount to be added to the item in the new dialog box and click OK.

The dialog box is titled 'Increase Item Quantity'. It contains a text input field labeled 'AMOUNT IN GRAMS' with the value '100.00' entered. Below the input field are two circular buttons: a green one with a white floppy disk icon (OK) and a red one with a white 'X' icon (Cancel).

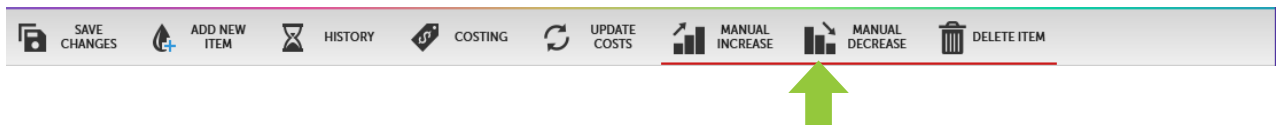
3. The quantity change is now visible for the line item.

	P210 YELLOW HG	Est. Cost / Kg \$10.00	Qty. Left (Grams) 4181.42	Qty. Used (Grams). 3.08				
FO NUMBER P210Z1	BASE TYPE N/A	PART #	LOT #	LOCATION N/A	DATE ADDED 4/1/2026 10:21:31 AM	LAST USED 4/7/2026 10:50:34 AM		EST. BUCKET LEVEL

Manual Decrease

To manually decrease the quantity of an item, follow the steps below.

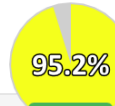
1. Select the desired item from inventory and click the Manual Decrease button on the Inventory Interface Navigation.



2. Enter amount to be subtracted from the item in the new dialog box and click OK.

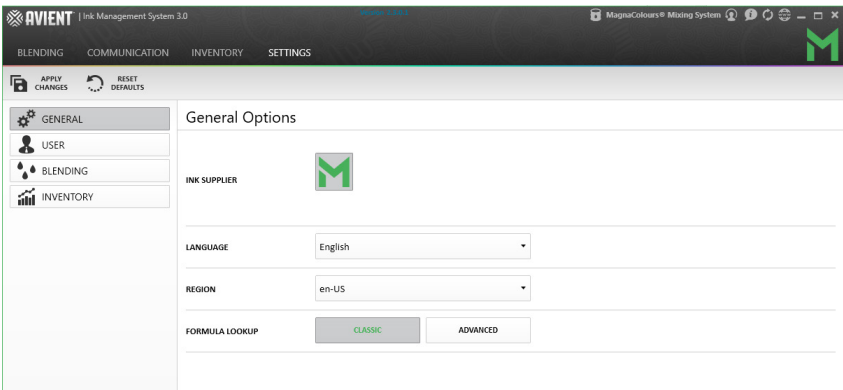
The dialog box is titled 'Decrease Item Quantity'. It contains a text input field labeled 'AMOUNT IN GRAMS' with the value '200.00' entered. Below the input field are two circular buttons: a green one with a white floppy disk icon (OK) and a red one with a white 'X' icon (Cancel).

3. The quantity change is now visible for the line item.

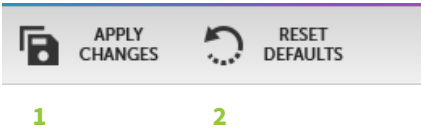
	P210 YELLOW HG	Est. Cost / Kg \$10.00	Qty. Left (Grams) 3981.42	Qty. Used (Grams). 203.08				
FO NUMBER P210Z1	BASE TYPE N/A	PART #	LOT #	LOCATION N/A	DATE ADDED 4/1/2026 10:21:31 AM	LAST USED 4/7/2026 10:51:33 AM		EST. BUCKET LEVEL

SETTINGS INTERFACE

IMS 3.0 has several different settings, each designed to enhance user experience.

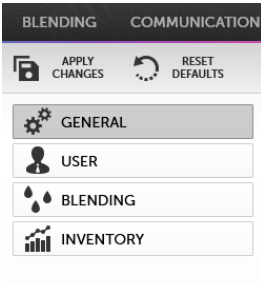


SETTINGS INTERFACE NAVIGATION



1. Click Apply Changes to save any changes made within the Settings Interface.
2. Reset setting to default configuration.

SETTINGS TABS



1. Open General Settings
2. Open User Settings
3. Open Blender Settings
4. Open Inventory Settings

SETTINGS INTERFACE FEATURES

This section outlines configurable settings within IMS 3.0. To save and apply any changes made in this tab, click the Apply Changes button on the Settings Interface Navigation.



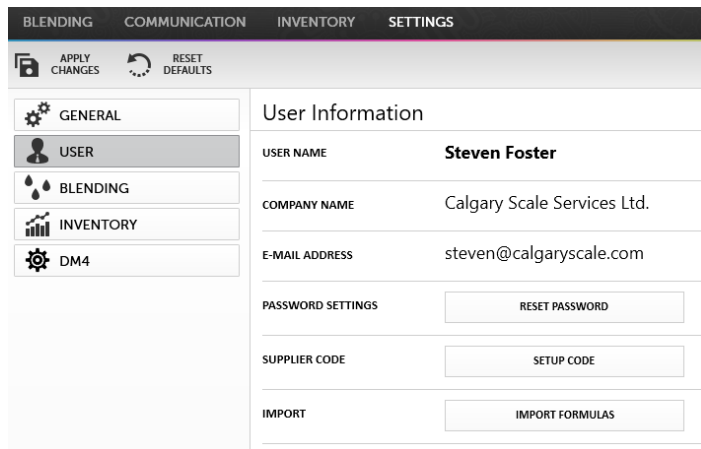
GENERAL SETTINGS

Reset a password, set up a supplier code, import formulas and access new formulas using General Settings. An introductory video opens upon loading the software.

Reset Password

To reset a password, follow the steps below.

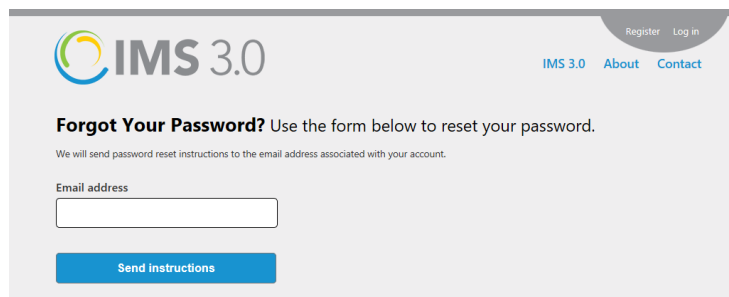
1. Click the Reset Password button inside the User Settings Tab.



The screenshot shows the 'SETTINGS' tab selected in the top navigation bar. Below it, the 'USER' sub-tab is active. The left sidebar contains icons for GENERAL, USER, BLENDING, INVENTORY, and DM4. The main content area is titled 'User Information' and displays the following details:

USER NAME	Steven Foster
COMPANY NAME	Calgary Scale Services Ltd.
E-MAIL ADDRESS	steven@calgaryscale.com
PASSWORD SETTINGS	RESET PASSWORD
SUPPLIER CODE	SETUP CODE
IMPORT	IMPORT FORMULAS

2. Enter email address when the IMS 3.0 website appears.



The screenshot shows the IMS 3.0 website with the 'Forgot Your Password?' section. The page includes a header with the IMS 3.0 logo and navigation links (Register, Log in, IMS 3.0, About, Contact). The main content area contains the following text and form:

Forgot Your Password? Use the form below to reset your password.
We will send password reset instructions to the email address associated with your account.

Email address

3. Follow instructions to reset password from email.

Set Up Supplier Code

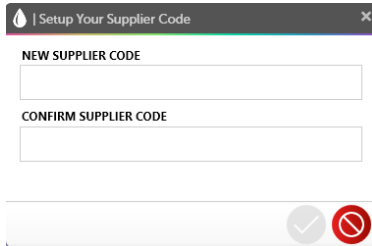
A supplier code is useful to share a database with another login, ideally across multiple print locations under one company or brand.

1. Click the Setup Code button within the User Settings tab.



The screenshot shows a user settings interface with two rows. The first row has a label 'SUPPLIER CODE' on the left and a button 'SETUP CODE' on the right. A red arrow points to the 'SETUP CODE' button. The second row has a label 'IMPORT' on the left and a button 'IMPORT FORMULAS' on the right.

2. Enter supplier code into the New Supplier Code field in the prompt box.



The screenshot shows a modal window titled 'Setup Your Supplier Code'. It contains two input fields: 'NEW SUPPLIER CODE' and 'CONFIRM SUPPLIER CODE'. At the bottom right, there are two circular buttons: a grey one with a checkmark and a red one with a 'no' symbol.

3. Click 

Access New Formulas

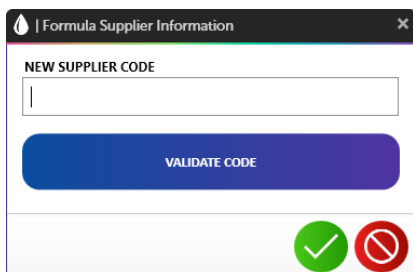
Follow the steps below to access formulas from different suppliers.

1. Click the pencil icon underneath Access New Formulas within the User Settings Tab.



The dialog box titled "Access New Formulas" contains two rows. Each row has a label "FORMULA DATA SUPPLIER" followed by the value "N/A". To the right of each "N/A" value are two icons: a pencil icon and a close (X) icon. A red arrow points to the pencil icon in the first row.

2. Validate the supplier code by re-entering the unique code in the prompt box.

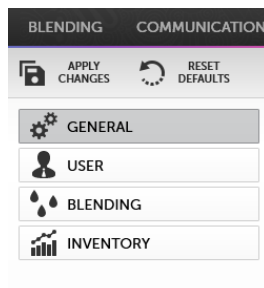


The dialog box titled "Formula Supplier Information" has a close button (X) in the top right corner. It contains a section labeled "NEW SUPPLIER CODE" with a text input field below it. Below the input field is a blue button labeled "VALIDATE CODE". At the bottom right of the dialog are two circular icons: a green checkmark and a red circle with a diagonal line through it.

3. Click  to access the supplier's formulas.

Blending Settings

Set default configurations for Default Color System, Default Base Type, Default Formula Weight, Chip Owner Tag, Default Label Printer, Scale COM Ports and DM4 COM Ports within the Blending Settings tab.

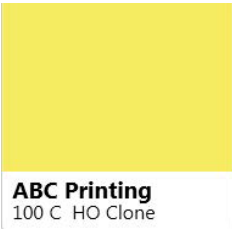


The interface shows two tabs: "BLENDING" and "COMMUNICATION". Below the tabs are two buttons: "APPLY CHANGES" (with a save icon) and "RESET DEFAULTS" (with a circular arrow icon). Below these buttons is a vertical list of settings categories, each with an icon and a label: "GENERAL" (gear icon), "USER" (person icon), "BLENDING" (three droplets icon), and "INVENTORY" (bar chart icon). The "BLENDING" category is currently selected and highlighted.

Setting Blending Defaults

Before implementing IMS 3.0, set blending defaults to save time. The following defaults provide guidance for use.

- 1. Default Base Type: used for systems that require base and colorant.
- 2. Default Formula Weight: used with a standard mix quantity at all times.
- 3. Chip Owner Tag: the name that appears on a user formula color chip to identify the chip if sharing formulas (the identifier will differ from one user to another when browsing the color chip carousel).



- 4. Default Label Printer: preferred printer (any Microsoft® Windows printer may be used and configured to print labels or reports).
- 5. Scale Com Port: used when communicating IMS 3.0 to the selected scale of scales (default settings shown below).

Scale Settings

BAUD RATE

☒ 2400 ☐ 4800 ☐ 9600

PARITY

☐ None ☒ Odd ☐ Even

STOP BITS

☒ 1 ☐ 2

DATA BITS

☒ 7 ☐ 8

SAVE SETTINGS

- 6. Mix Grid View: used when creating a new user formula (when entering formula components within the blending screen, the Mix Grid View accepts materials by Material Code or Material Description).

Mix Grid Set by Material Code

User Mix 286 C Clone					EST. COST / KG \$0.00
TYPE	MATERIAL DESCRIPTION	GRAMS	PERCENT		
☐ BASE	G6131 ADVANCEPRINT NEUTRAL TDB NJ	545.77	54.57%		
☐ MIX INK	G6195 AQUAPLAS WHITE FF	363.85	36.38%		
☒ PC	P908 NAVY HR	59.96	5.99%		
☒ PC	P904 BLUE HG	27.79	2.77%		
☒ PC	P225 RED HG	2.63	0.26%		
☐	P620 - FLUO YELLOW HFY		%		

Mix Grid Set by Material Description

User Mix 286 C Clone					EST. COST / KG \$0.00
TYPE	MATERIAL DESCRIPTION	GRAMS	PERCENT		
☐ BASE	G6131 ADVANCEPRINT NEUTRAL TDB NJ	545.77	54.57%		
☐ MIX INK	G6195 AQUAPLAS WHITE FF	363.85	36.38%		
☒ PC	P908 NAVY HR	59.96	5.99%		
☒ PC	P904 BLUE HG	27.79	2.77%		
☒ PC	P245 GREEN HB	2.63	0.26%		
☐	ORANGE HO - P918/A		%		

- 7. Click Apply Changes button on the Settings Interface Navigation to save and apply changes.





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