SANTINT AC100 Dispenser Installation

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1. Introduction

Introducing the Santint AC100 Dispenser machine – the innovative solution that will streamline and enhance your paint-mixing process. This device is designed to bring efficiency and precision to the world of car refinishing.

2. Specifications

Dispensing Mode	Automatic Dispensing
Efficiency (Single Toner)	200 ml/min or 300 ml/min
Minimum Shot	0.015 ml
Pump Capacity	60 ml/ 90 ml (Optional)
Stirring Speed	20-25 rpm
Total Canisters	Up to 96
Canister Volume	84 x 1.25 L + 12 x 4.3L
Max Can Size (D x H)	200 x 180 mm (With Scale) – 200 x 280 mm (Without Scale)
Machine Dimension (W x D x H)	1770 x 1215 x 1400 mm (96 Toners)
Heating Module	Optional
Net Weight	650 Kg
Power	≤ 350 W
Power Supply	220 V/110V 50 Hz/60 Hz

3. PC / Laptop Requirements

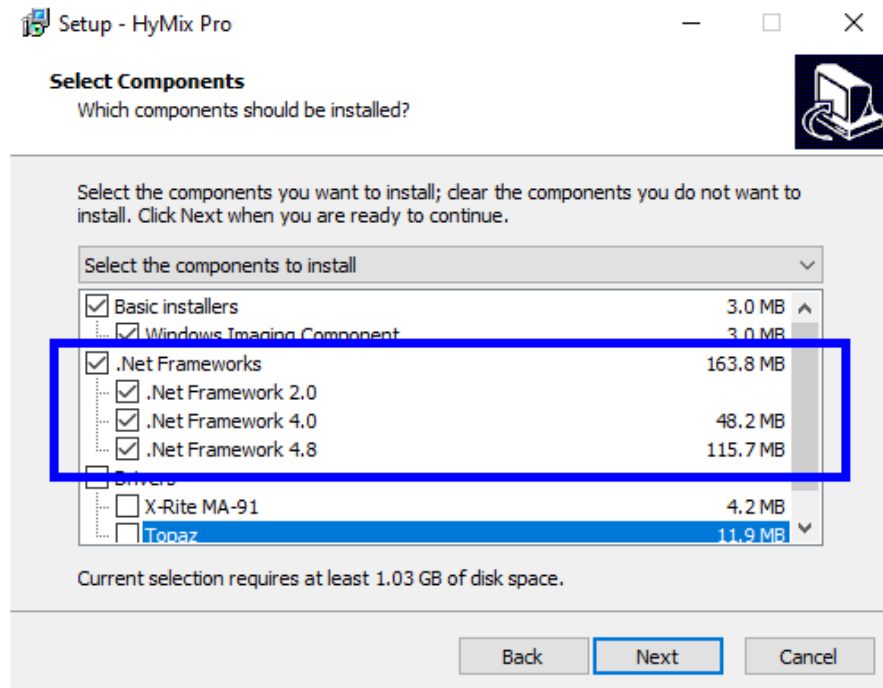|	
Operating System	Microsoft Windows
Operating System Version	Windows 7 – 8 – 10 – 11
RAM	Minimum 2GB
CPU	Minimum 2 GHz
Disk Space	≥ 800 MB
Microsoft .NET Framework Version	4.8
USB Port	2 Ports: 3.0
HyMix Pro Version	2.15.3.0

4. Tips and Recommendations

i. The technical team responsible for device installation must provide you with the necessary training on the following:
- Filling and assigning toners.
- Toner's calibration.
- Pumping process.

ii. The technical team is required to teach you about the *SantintService.exe* application, as we work with the SDK that utilizes it, rather than the *Colorlink3.exe* application (No need to be installed).

iii. We suggest installing the HyMix Pro software first, as the SantintService.exe application will be installed within the same setup. Consequently, the technical team will provide instructions specifically for this application, which will be located in: C:\ProgramData\HyMix Pro\AC100

5. Software installation Step-by-Step

a. Setup Installation

i. Run the setup

ii. Install all the .Net Framework versions available in the installation
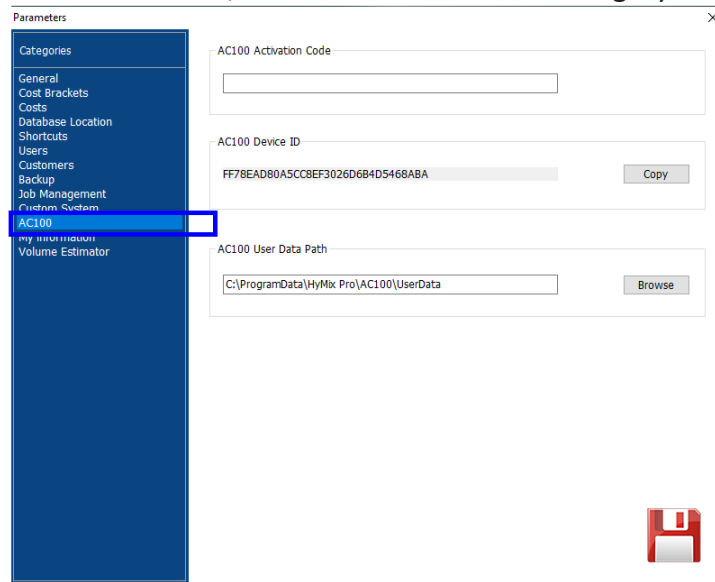

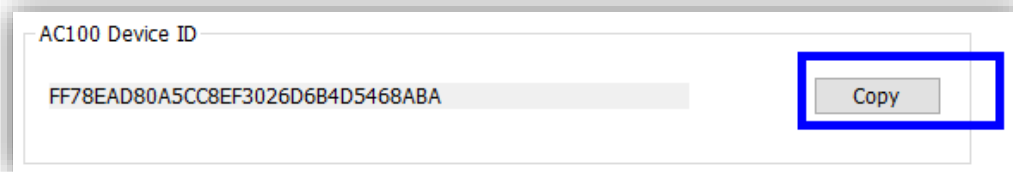iii. Proceed with the installation and wait until it is completed.

b. Activate the AC100 device

P.S.: If the technical team activated the device on your laptop/PC, you can skip this section.

i.   Run the HyMix Pro software.

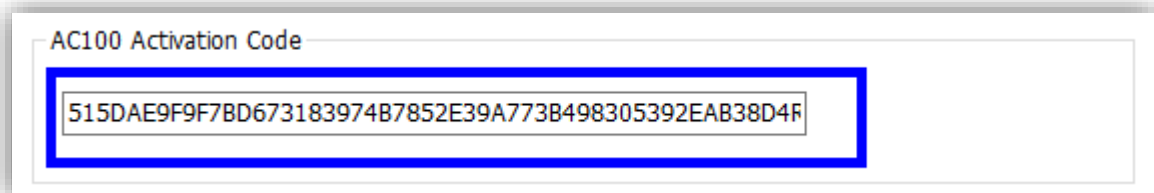ii.   Access the Parameters section, and move to the AC100 category.

iii.   Click on the Copy button. It copies automatically your AC100 Device ID.

iv.   Send us your device ID, and we will promptly provide you the AC100 activation code corresponding to your device ID.

v.   Once you receive your activation code, paste it in the AC100 activation code field.

vi.   Click on Save to activate your device.

c. Assign toners to canisters.
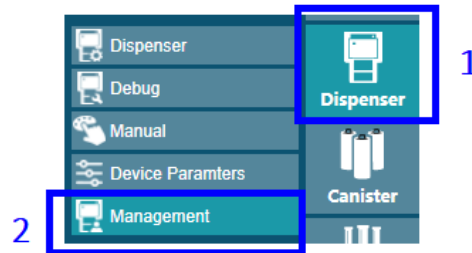
i. Open the SantintService.exe

SantintService.ex
e

***P.S: The application's path by default is: C:\ProgramData\HyMix Pro\AC100\UserData
You can find the path in Parameters => AC100 => AC100 User Data Path***

ii. In service application, click on Dispenser from the navigation bar on the right, then click on Management.

iii. Select the model you have (AC100), and make it the default device.
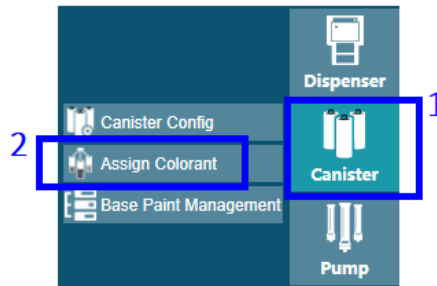

iv. Save your change.

v.   In the navigation bar, click on Canister, then go to Assign Colorant.
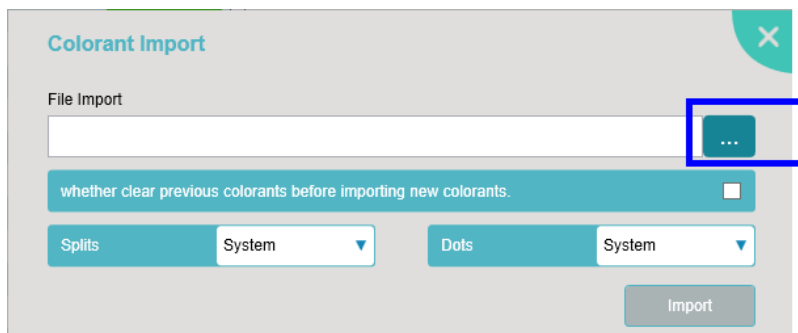

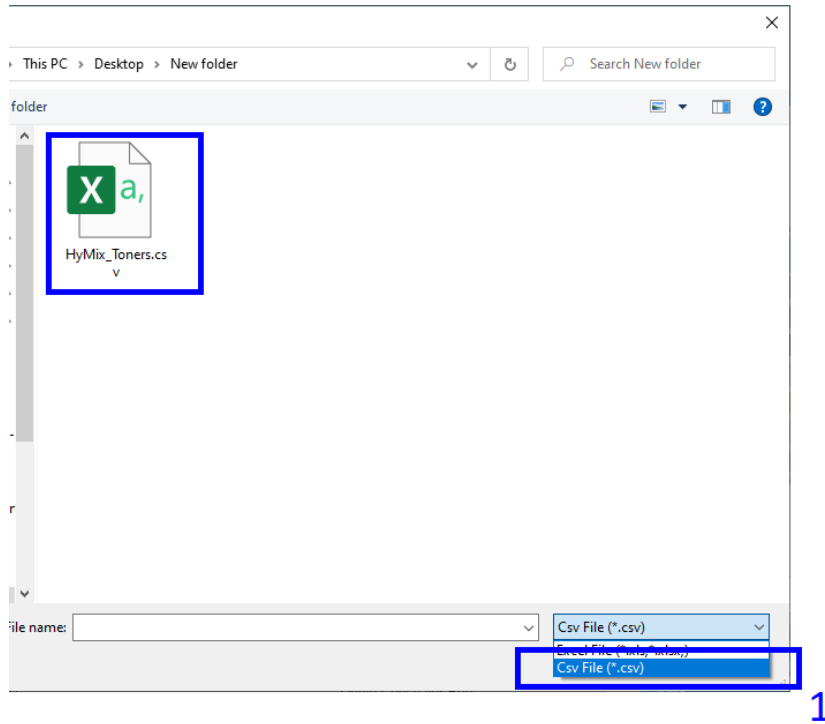vi.   Click on the Import Colorant button.

vii.   Import a CSV file using the following column format:
 • Colorant Code
 • Colorant Description
 • Density
 • Paint Type (Leave this column empty)
 • R (Red Value)
 • G (Green Value)
 • B (Blue Value)

P.S: If you encounter any difficulties creating the CSV file with the required format, please contact us, we can provide the file for your convenience.

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viii.   Assign toners to canisters by clicking on any empty canister, then double-click on the toner you want to assign.

** *Follow the below example:*

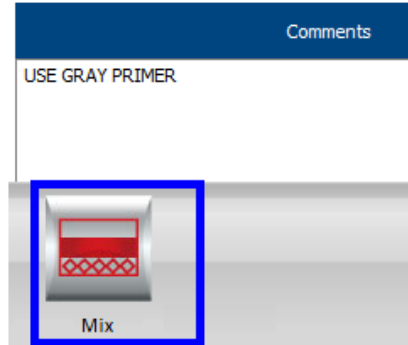ix.   Once you finish assigning toners to canisters click on Save.

PS: The AC100 device contains only 96 canisters, which is not sufficient for all the toners, you will need to determine which toners to assign since you can't assign them all.
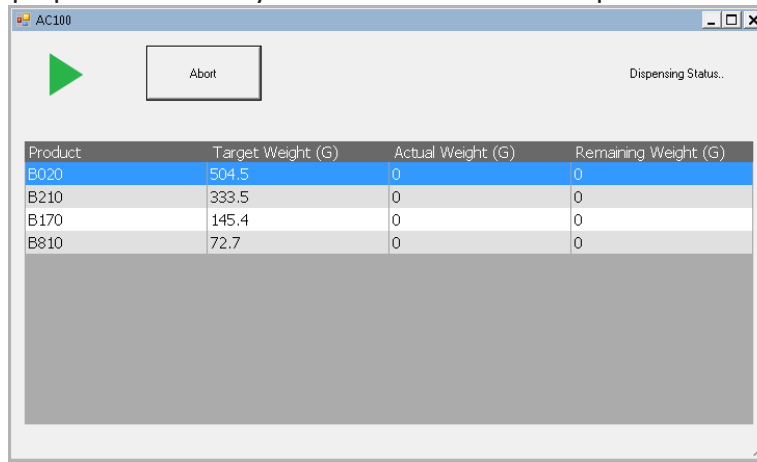
x.   Follow the instructions that the technical team provided you regarding the toner calibration, pump process, and filling toners.
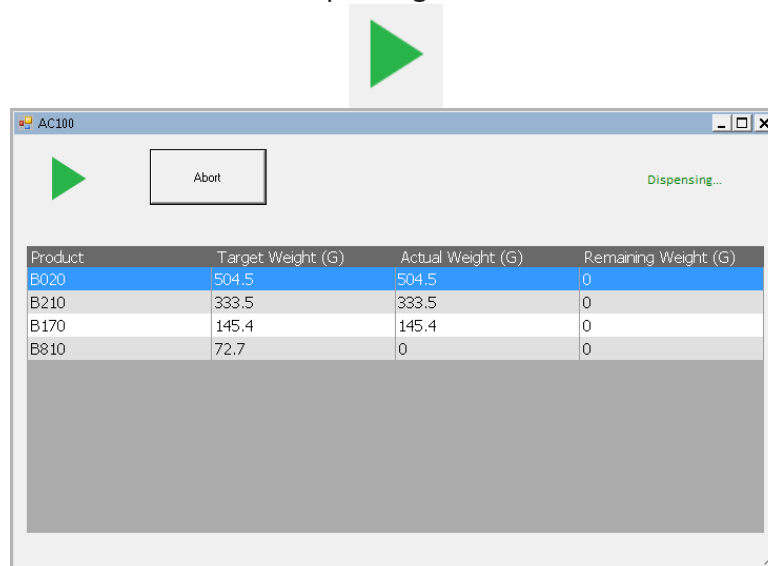
6. Mixing Process

  i. On the formulation page, click on the Mix button

  ii. A new popup opened to show you the list of toners and quantities that need to be mixed

  iii. Click on the Start button to start dispensing.
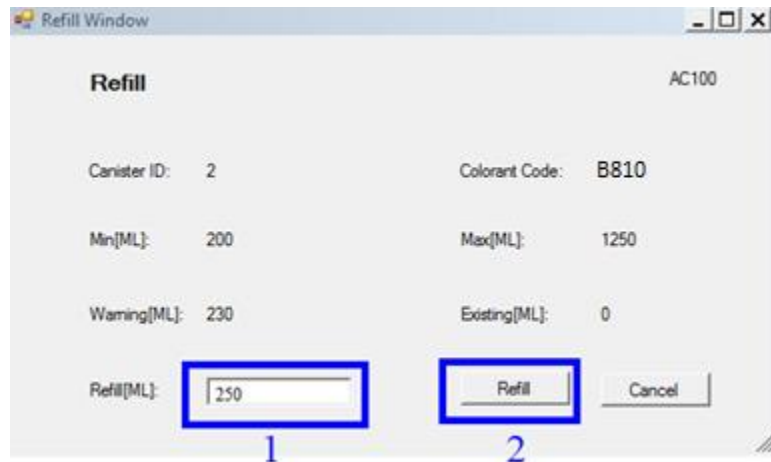
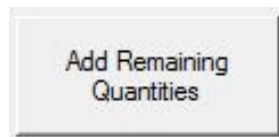iv. You can abort the job anytime during dispensing by clicking on the Abort button.

> Abort

v. If any of the toners have a quantity in the canister less than the quantity requested in the mix, a Refill popup will open, allowing you to refill the toner and continue the Mix.

Refill Window

Refill   AC100

Canister ID: 2   Colorant Code: B810

Min[ML]:   200   Max[ML]:   1250

Warning[ML]:   230   Existing[ML]:   0

Refill[ML]:   250   Refill   Cancel

vi. When the job is done, you got a message that it has been completed.
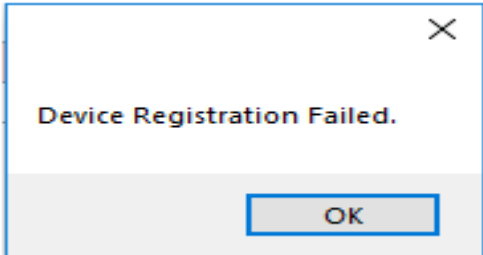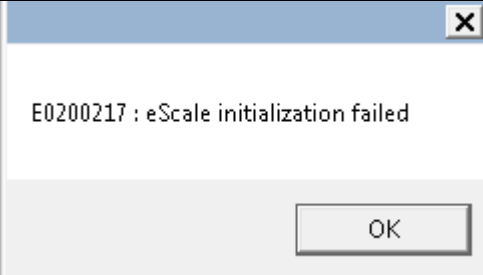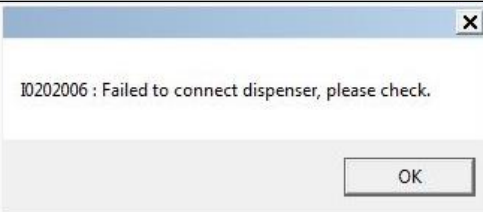
> Dispensing Complete.

vii. It is quite normal for the device to miss a small amount during the dispensing process. Therefore, when the job is done, you can click on the Add Remaining Quantities button, and the device will add the missing quantity again.
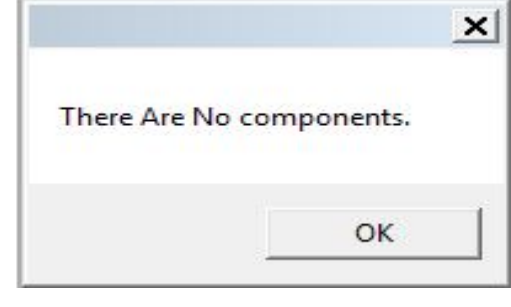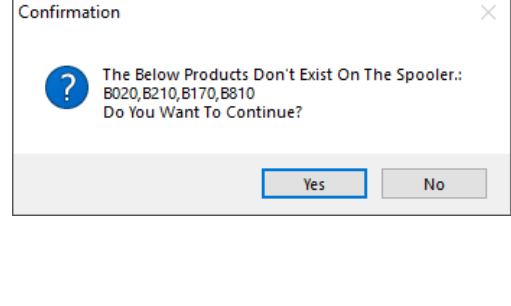
> Add Remaining Quantities

7. Troubleshooting

The software may display certain warnings or error messages. You can find below a list of common error or warning messages along with their corresponding solution or information.

Message	Description
![Device Registration Failed dialog with OK button]	* This message appeared once you click on the Mix button on the formulation page. * It means the device is not registered on your PC. * Review Section 5 (Part: B)
![E0200217 : eScale initialization failed dialog with OK button]	* This message appeared once you click on the Mix button on the formulation page. * It means the scale is not connected or it's off. * Make sure it is connected to the PC and it is on.
![I0202006 : Failed to connect dispenser, please check. dialog with OK button]	* This message appeared once you click on the Mix button on the formulation page. * It means the AC100 device is not connected to the PC. Or it's off. * Make sure it is connected to the PC and it's on.
![Cannot access a disposed object. Object name: 'AC100'. dialog with OK button]	* This message appeared once you click on the Mix button on the formulation page. * It means that the software is not able to connect to the device. * Make sure that SantintService.exe is closed, and the device is on. A restart can be a solution.

MessageWindow _ □ × Error: E11 : Emergency stop switch unreleased. Abort	* This message appeared once you click on the Mix button or during the mixing process. * It means the Emergency stop button on the device is pressed and can't do any mix. * Release the Emergency switch button and restart your mix.
× There Are No components. OK	* This message appeared once you click on the Mix button on the formulation page. * It means the toners related to the selected formulation, are not assigned to any canister. * Change the formulation or add assign toners to the AC100 device (Review Section 5 – Part B)
Confirmation × ? The Below Products Don't Exist On The Spooler.: B020,B210,B170,B810 Do You Want To Continue? Yes No	* This message appeared once you click on the Mix button on the formulation page. * It means that some of the toners in the formulation selected, are not assigned to any canister, you can proceed with the mix without these toners, or you can abort the job. * Abort the job and assign the missing toners to canisters (Review Section 5 – Part B), or continue the mix without the toners.
MessageWindow _ □ × Warning: I0200100 : Please put a barrel to the right place! OK	* This message appeared once you click on the Start button to start the Mix. * It warns you to add a barrel because the mix will start, and to prevent the mixture from spilling inside the machine. * Put a barrel on the scale.
MessageWindow _ □ × Note: I0200101 : Please remove the barrel! OK	* This message appeared once the job is done. * It reminds you to remove the barrel from the device. * Remove the barrel.

8. Contact Information

For more information or comments, please do not hesitate to contact our Software support team by email at support.it@hymax.biz
Or by phone at +961 9 925 990
We are available from 8:00AM (GMT) to 8:00PM (GMT).