2022

Innovatint version 3
Installation Point of Sale

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1. General Innovatint installation

1.1 Types of packages

Innovatint Point of Sale (P.O.S.) comes in 2 different packages, the full version and the update version. The full version is only needed when installing P.O.S. for the first time. After that the update package is used to update the software.

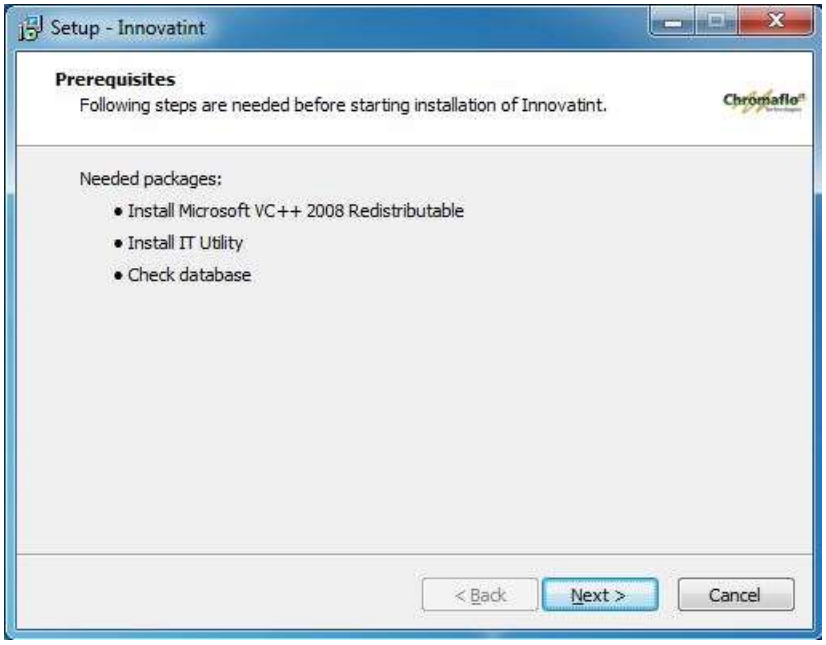
1.2 Innovatint installation

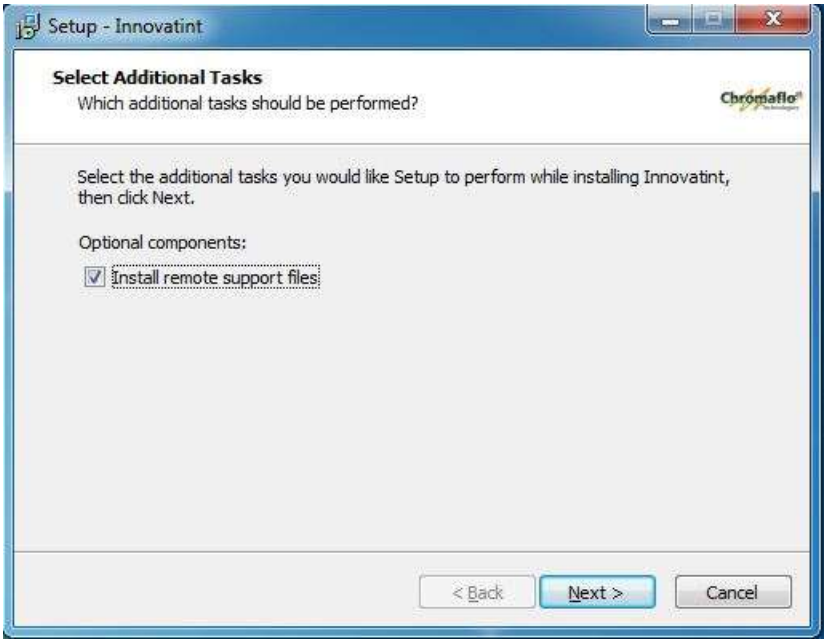
Installation of the Innovatint software is simple. Make sure you have the correct package and execute this. The wizard will help you through the installation. To avoid any problems during the installation, make sure the Windows user account that is used for the installation has administrator rights. It is recommended to always execute the setup program as administrator.

Click “Next”.

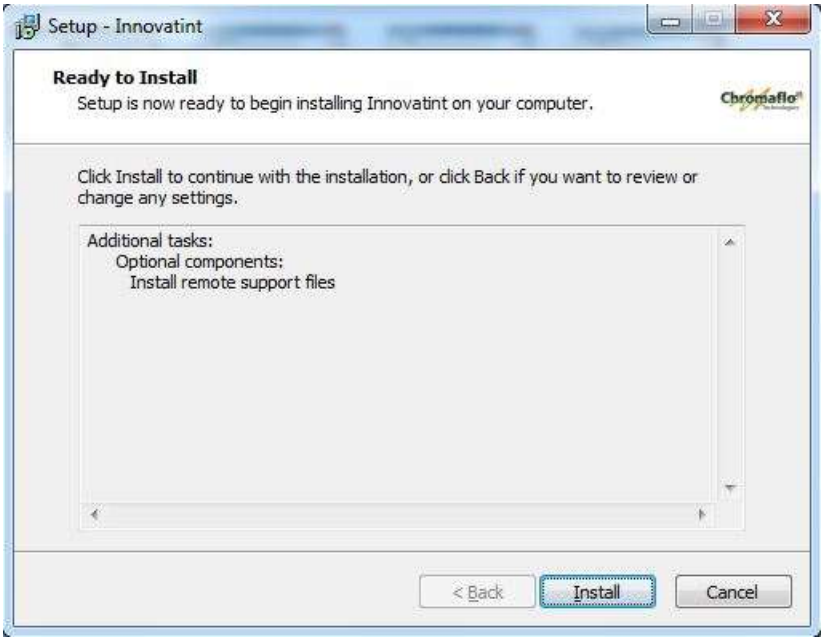
Read the license agreement and when this is accepted click on “Next”.

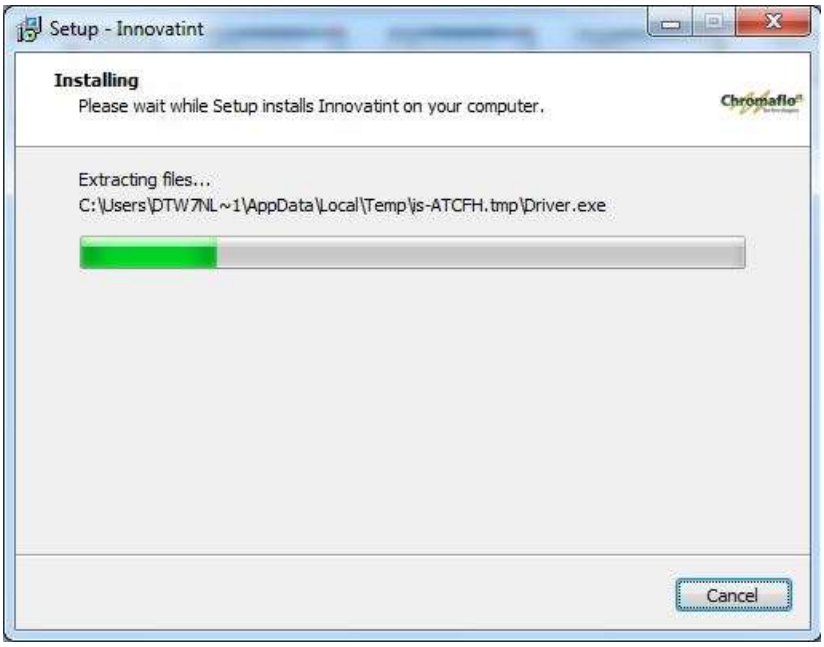
A check is being performed on what needs to be installed and if there is an older version of the software installed.





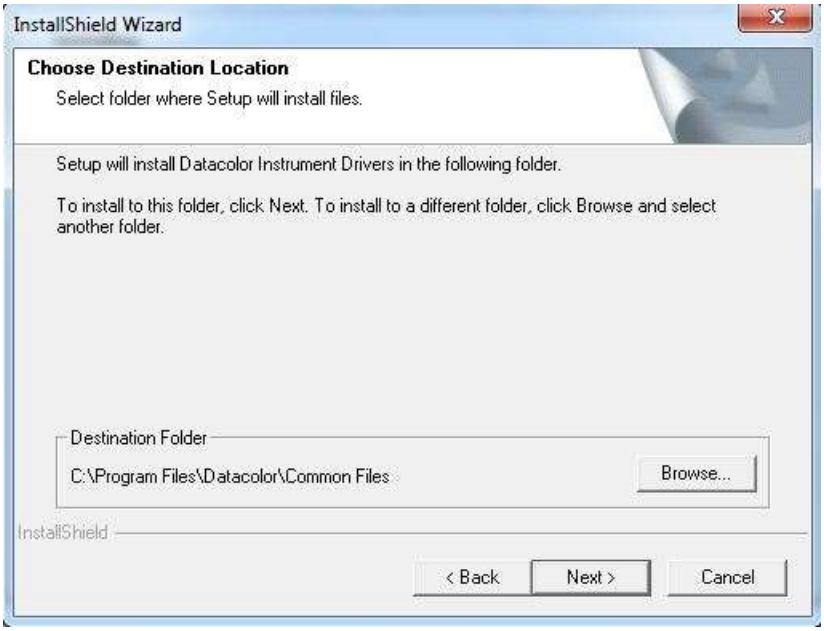
Determine if TeamViewer needs to be installed with the software. It will give the opportunity for remote support when needed. TeamViewer will require an internet connection to work (not for installation). Click on “Install”.



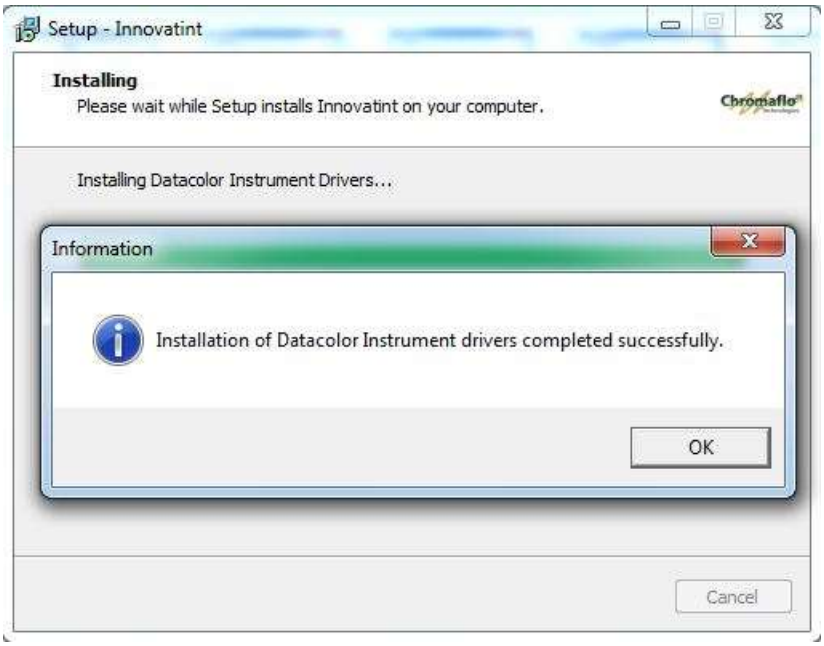


Installation will now begin. Depending on the computer this can take several minutes.

The drivers for the spectrophotometers will now be installed. Click on “Install”.



Click on “Next”.



Installation has been completed for the spectrophotometers. Click on “OK”.

Click “Next”.
The setup will now check several things and installs, when needed, automatically a couple of packages that are needed.

The installation has now been completed. Click on “Finish”. The setup package will close and some files that are not needed anymore will be deleted.

After the installation it is always advised to perform a restart of the computer.

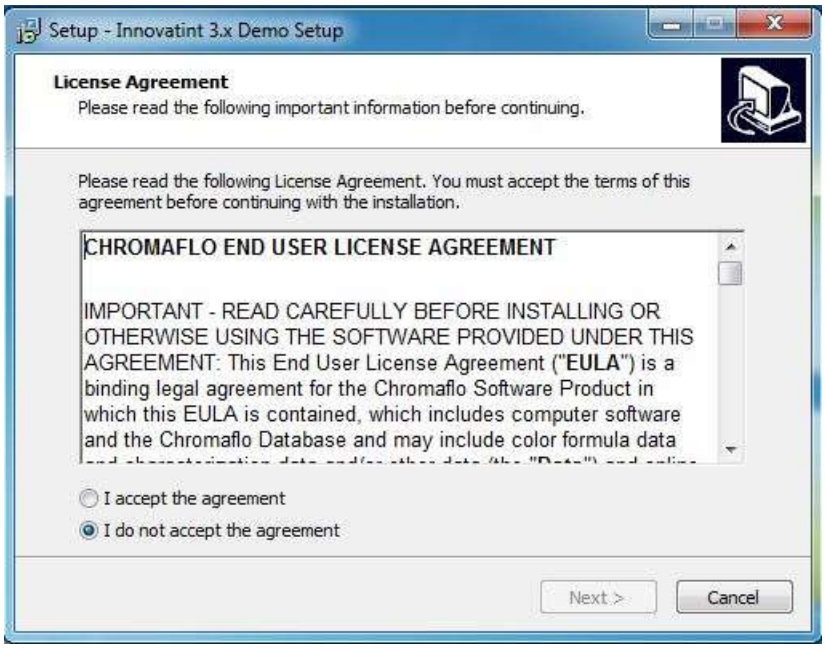
1.3 Database installation

There are several database types. Installation is basically the same for all of them. There is:

- Demo database: used for demo purposes or testing
- Offline database: used for non-replication installations
- Replication database: used for replication installations

The setup package is normally called “IT_Demo_db_setup_3”, “Innovatint database” or has the name of the supplier of the database.

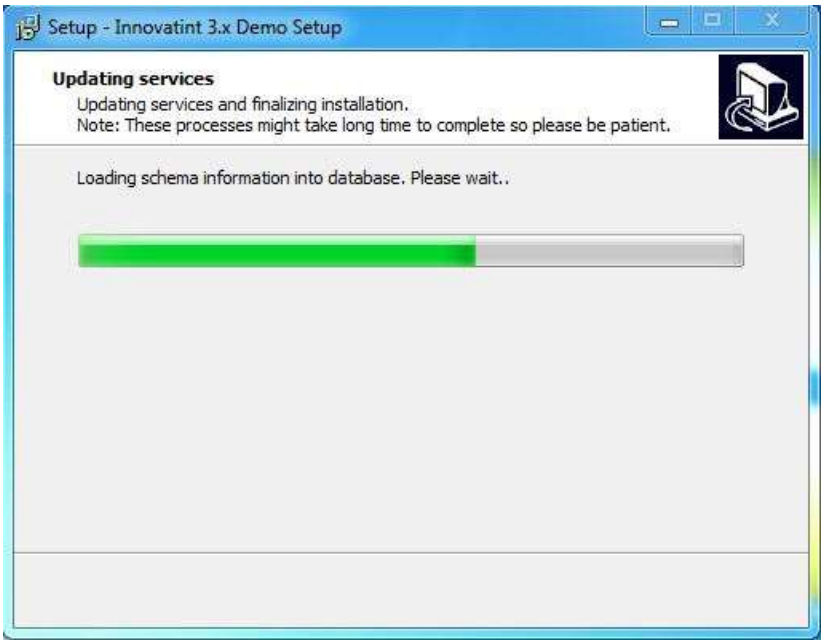
Open the package.

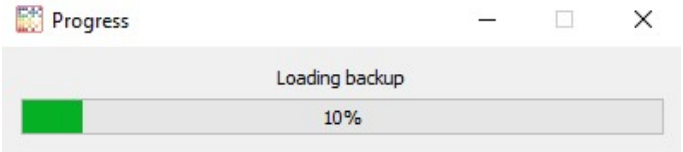


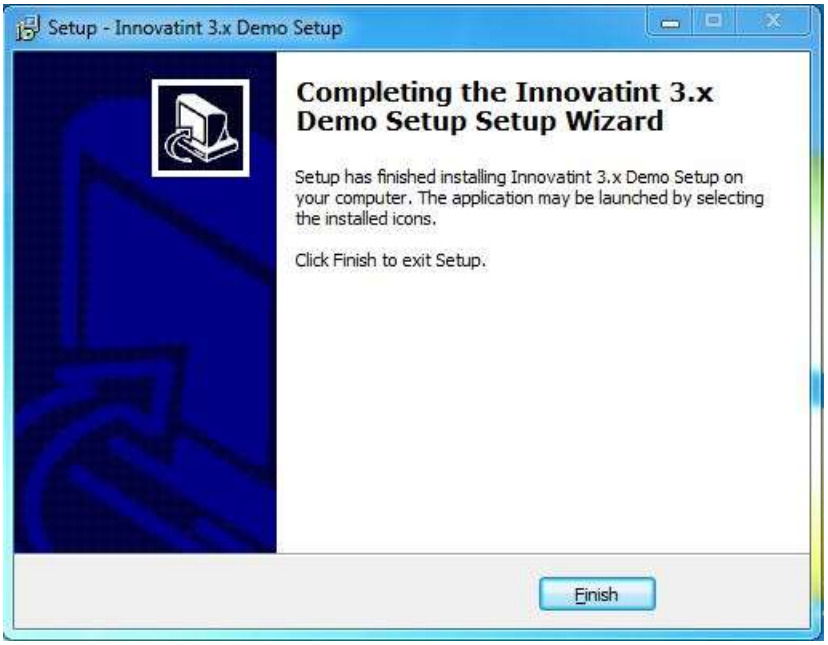
When the license agreement is accepted click on “Next”.

When it is demo database there will a question the setup a dispenser simulation.
When it is a replication database there can be a question to overwrite or keep existing data.

Click on “Next” and the installation will start.







The installation has now finished. Click on “Finish”.

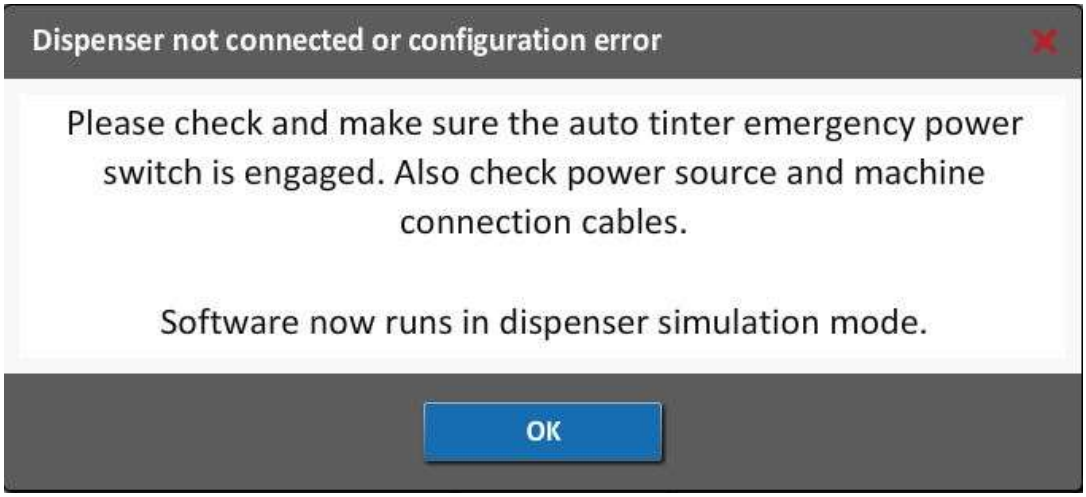
2. Innovatint machine driver preparation

2.1 Configuration

Innovatint comes with several different machine connection types.

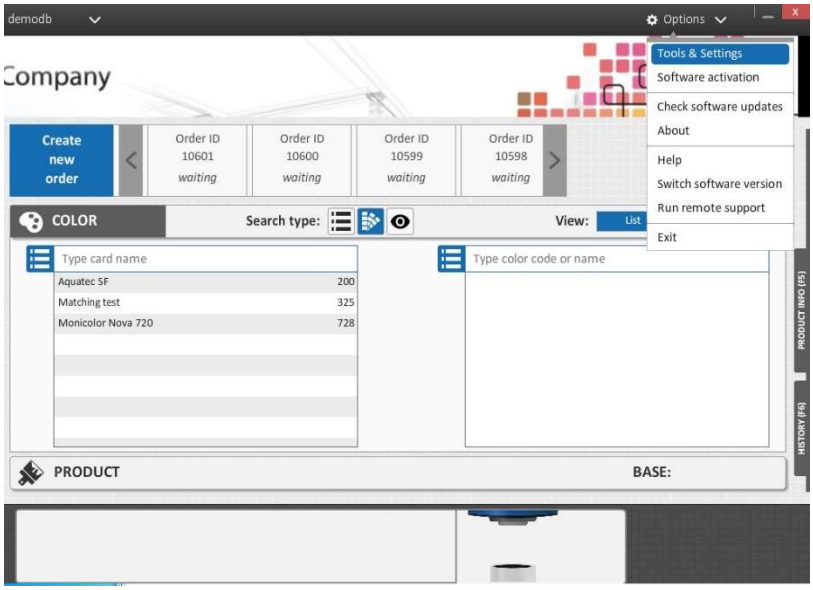
- Automatic dispensers: used for all dispensers that are integrated into Innovatint
- Manual dispensers: used for manual machines
- F-Link dispensers: for dispensers that are not directly integrated but can be run via F-Link and where the user wants to keep track of the colorant usage and have more options available
- F-Link simple dispensers: for dispensers that are not directly integrated but can be run via F-Link

After the initial installation you will start Innovatint for the first time. When the connected tinting machine has not been connected or configured yet the program will display a dispenser connection error. This is not a problem for the moment. Also, when this happens the initialization will take longer. Wait until this error shows up.

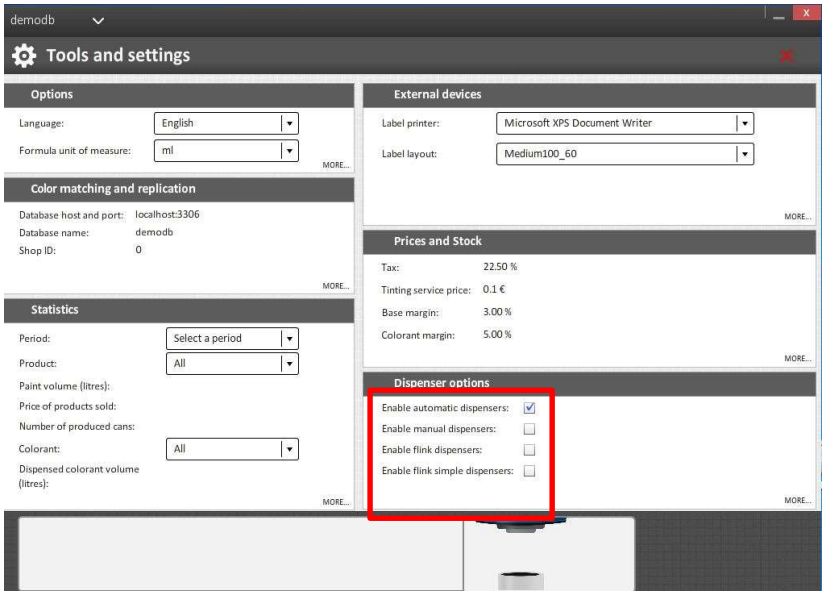


When the tinting machine has been recognized by the current driver you will get the purge screen. Just cancel this for now and proceed.

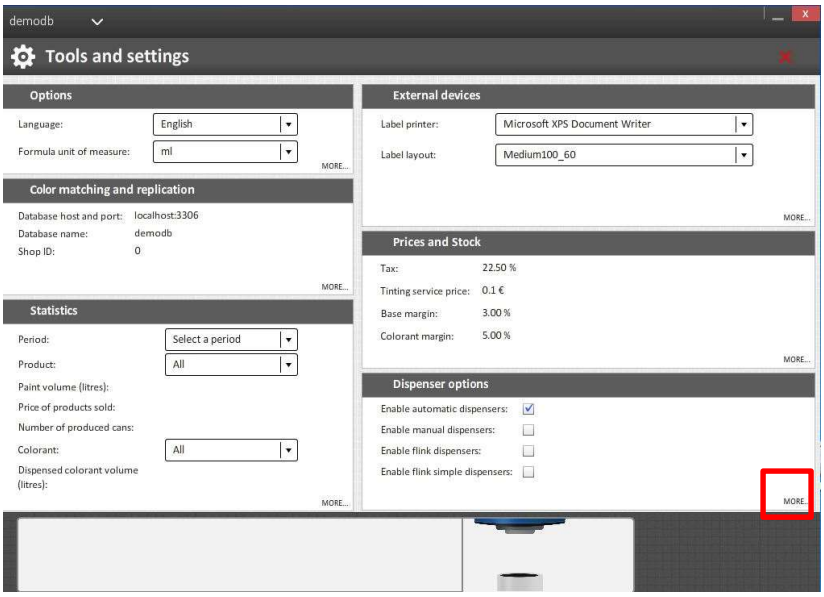
Go to Tools&Settings and look at the machine driver settings.



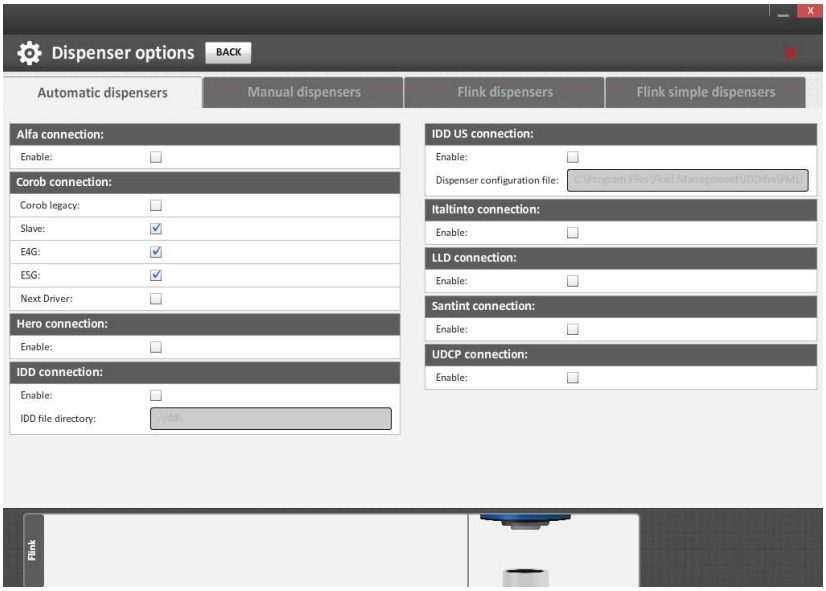
Look at the “Dispenser options” and select the correct driver type. We will use the automatic dispenser type for now.



Now click on the “More” button.



This will open the configuration section for the tinting machines. As you will see only the tab automatic dispensers is available as this is the only connection type that was selected.

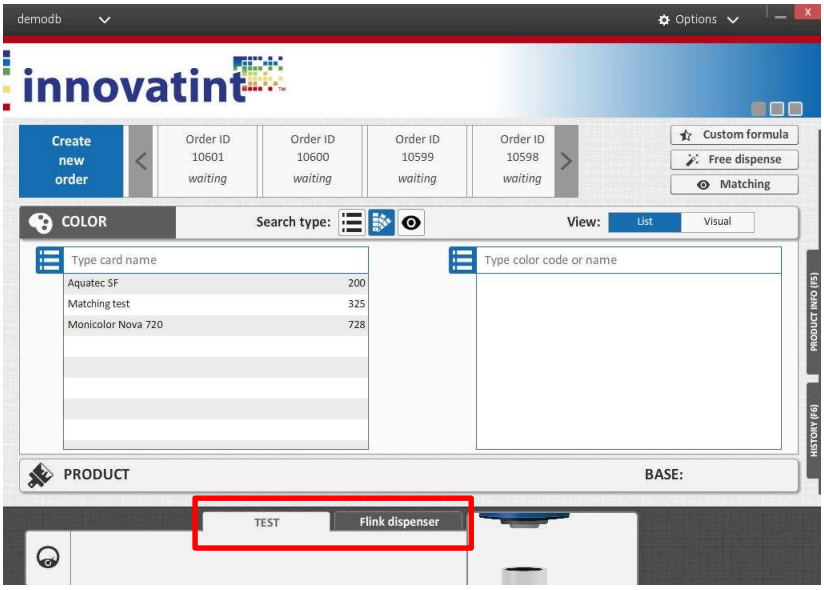


By default, several machine types are selected. It will look for all of these during start-up of the program. To have a proper working of the driver select only the dispenser type needed. Which one this is will be determined by the machine type in use.

For now, go out of this section and close Innovatint. Proceed with the installation of the tinting machine itself. If you have already selected the correct machine type the software should connect with it automatically when starting Innovatint after the machine installation. If not come back to this section to check the settings.

2.2 Multiple tinting machines

To connect multiple tinting machines at once (not available with Innovatint Basic) make sure the tinting machines are configured correctly. In the “Driver options” make sure all needed driver types are selected. When starting Innovatint the program will look for all available drivers. When multiple tinting machines are found it will be shown like this:



2.3 Tinting machine combinations

Depending on the type of tinting machines they can be used together or not.

Alfa: no limitations on the amount of tinting machines
Corob E4G: no limitations on the amount of tinting machines
Corob E5G: no limitations on the amount of tinting machines
Hero: limit to one machine per installation
Fluid IDD: no limitations on the amount of tinting machines*
Fluid IDD US: limit to one machine per installation
Italtinto: no limitations on the amount of tinting machines
Corob Flex LLD: no limitation on the amount of tinting machines
Corob Slave: no limitations on the amount of tinting machines
UDCP: limit to one machine per installation**

*For each machine a separate IDD license is needed, and it is not possible to combine HA and HP machines
**Concerns the machines from Dromont and Santint

For the following machine brands a license is needed to operate it in Innovatint:

- Hero (only one machine possible)
- Fluid (one per machine)
- Italtinto (one per computer)

It is possible to combine different types of machines together. For example, an UDCP machine can be together with 2 E4G machines and a LLD machine.

3. Installation of a Corob dispenser

3.1 CorobTECH

When Innovatint must interface with a Corob dispenser it is necessary to install CorobTECH. Install the package completely. When there is already a version installed make sure it is at least CorobTECH 5.5. If not, upgrade it. This could mean that the configuration of colorants must be redone. It is recommended to activate the software protection, when prompted, as the operator in a shop does not need to access this software.

NOTE: do not install CorobTECH 5.9.1 or use a configuration made with this version. It will cause problems with the connection and working of the tinting machine.

Click “Next”.

When the license agreement is accepted click “Next”.

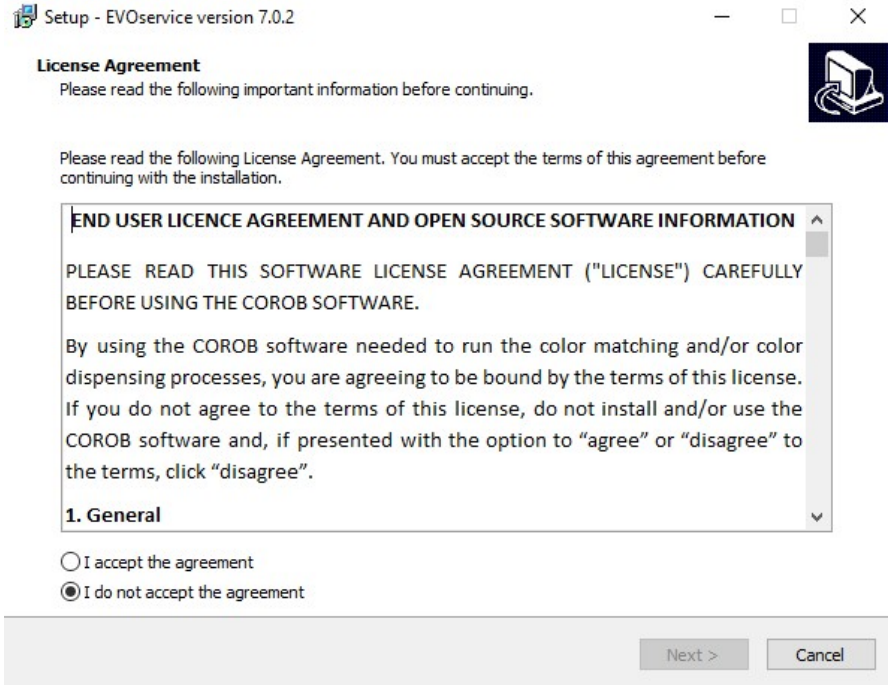
Our recommendation is to set a password. Select the preferred option and click “Next”.

Click “Install”.

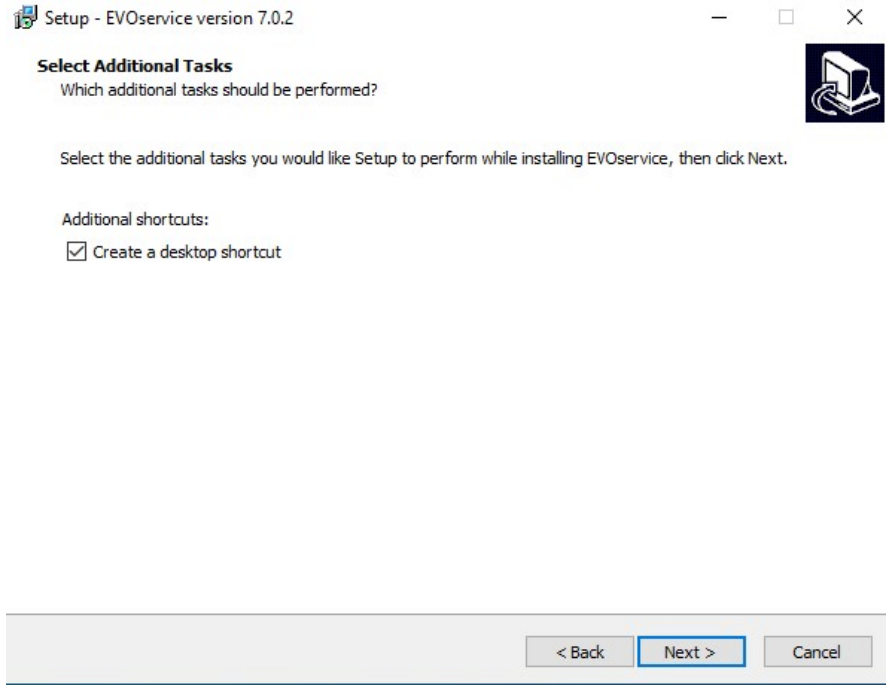
Click “Finish”. CorobTECH has now been installed. It will automatically remove some files that are not needed anymore.

3.2 EVOservice

EVOservice is a configuration software used by Corob for their EVO line of dispensers. It's available for download from Corobs' own webpages' downloads section. The software installer is called '*EVOservice 7.x.x'*. You need to use at least 7.0.2 version for it to be compatible with NextDriver and Innovatint.

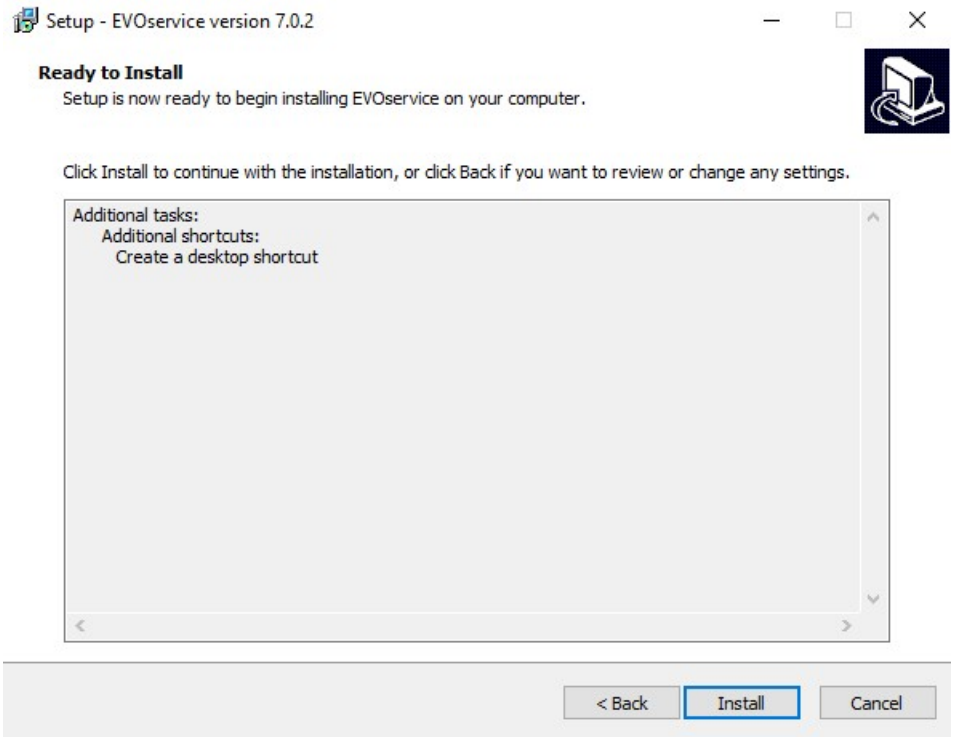


Accept the agreement.



Select whether to have a desktop icon for the program and then click on Next.

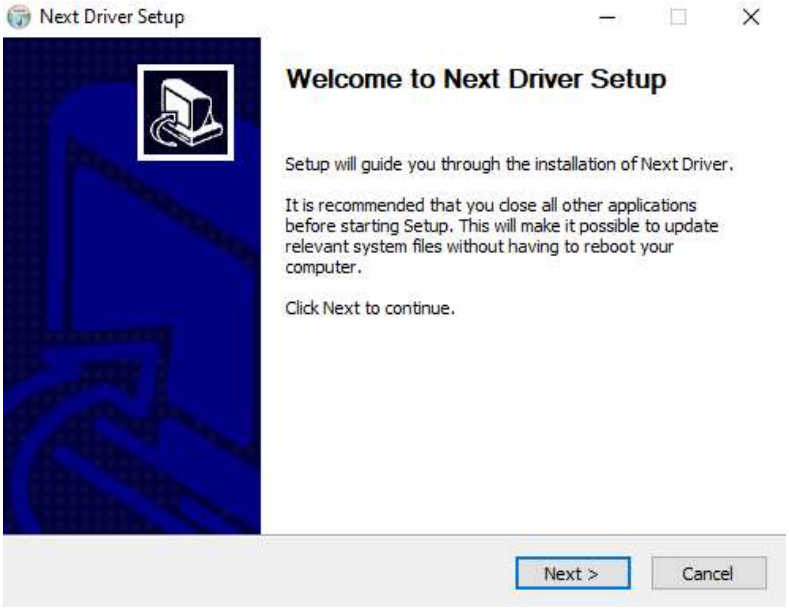
Click on install. After the software installation has finished, you will need to configure the colorants in



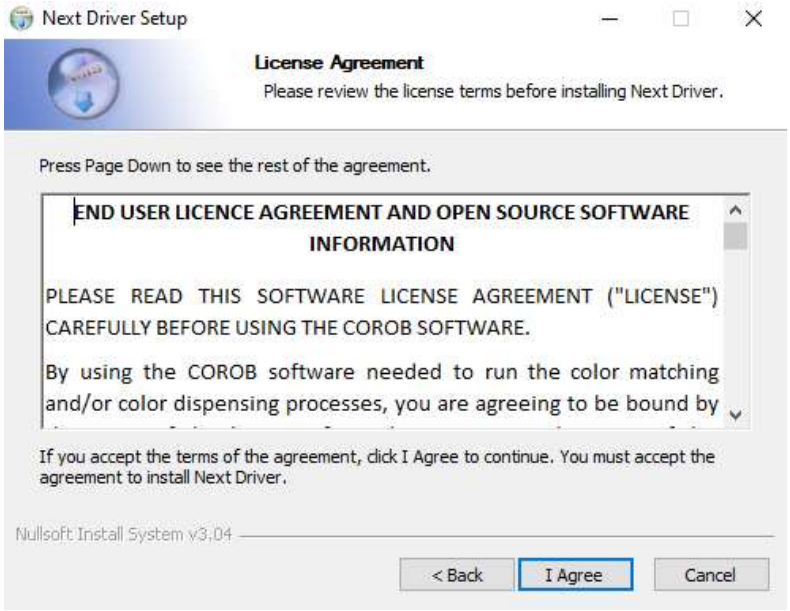
EVOdriver and to reboot the pc for the driver to work correctly.

3.3 NextDriver

NextDriver is a new driver software aimed at newer Corob EVO machines. It's available for download from Corobs' own webpages' downloads section. NextDriver software installer is called *'setup_next-driver_v2.x.x.exe', y*ou need to use at minimum version 2.2.2 for Innovatint compatibility. This is used in combination with EVOservice configuration software. NextDriver requires an activation code from Corob that you need to purchase separately. The driver will not work in Innovatint without activation.

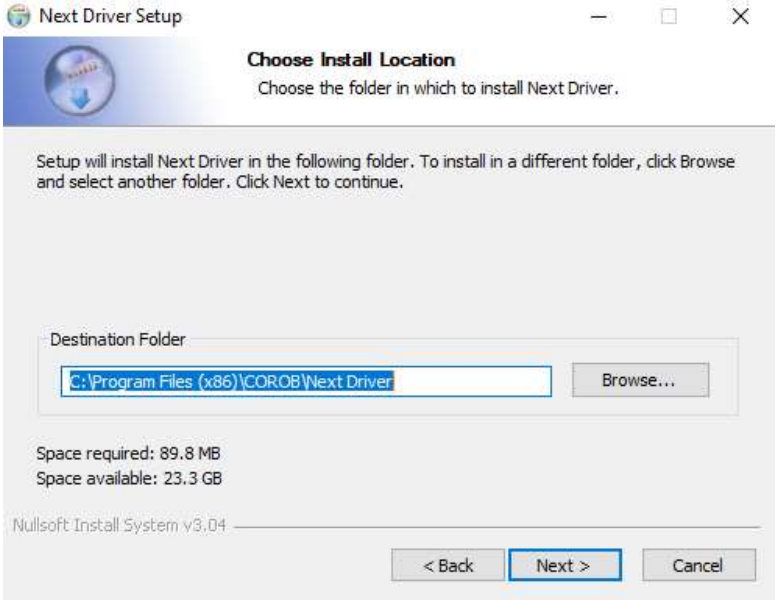


Click next.

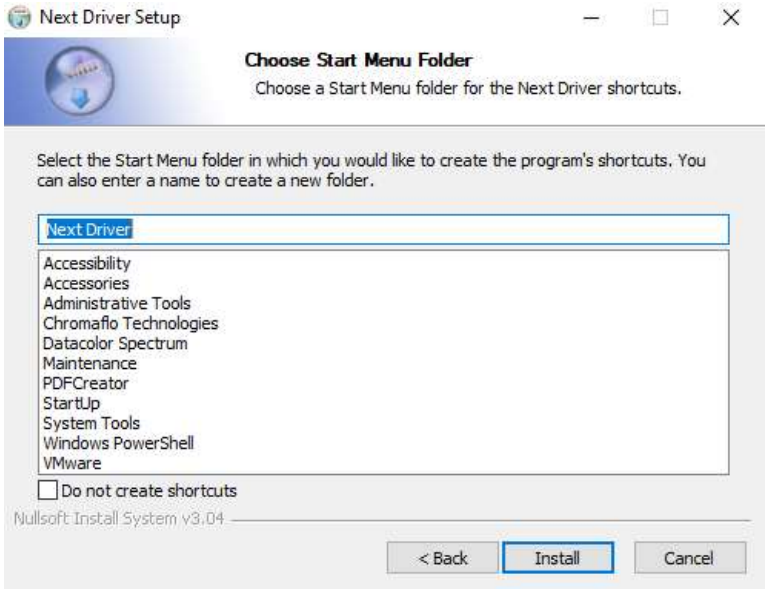


Agree to the licensing.

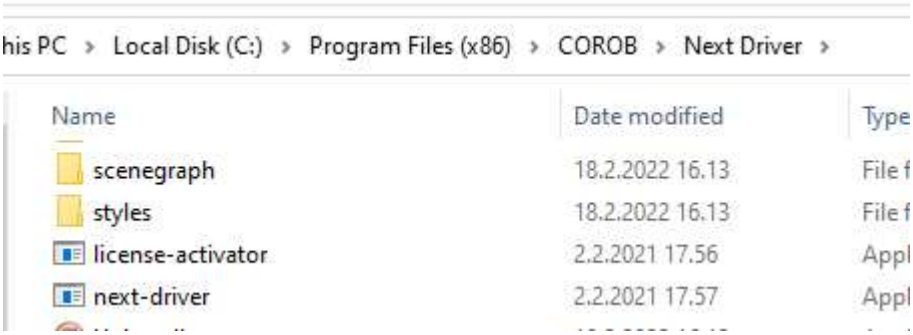
Select the folder to install to, default folder is recommended.



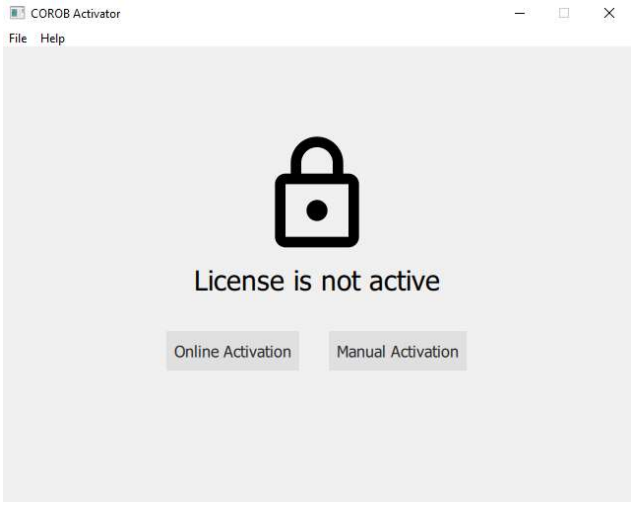
Click on install to begin the setup process.



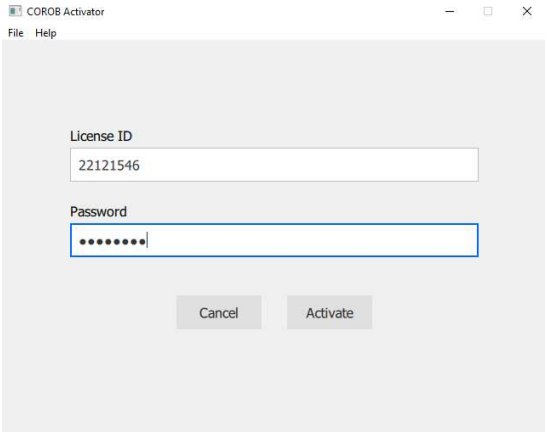
After the installation navigate to “c:\Program Files (x86)\COROB\Next Driver” as shown below.



Double-click on license-activator.

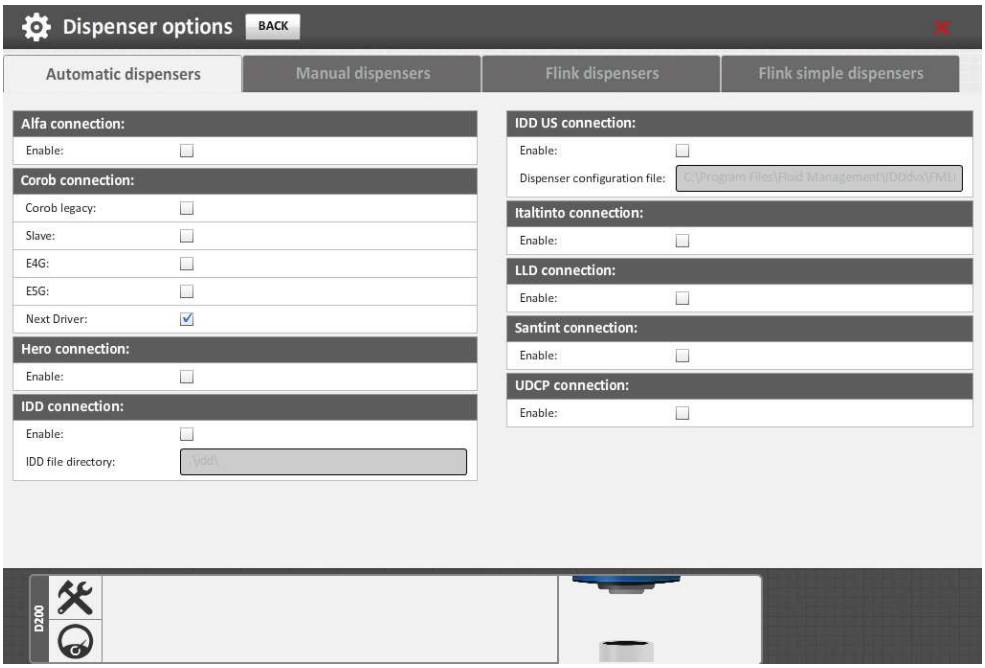


Click on online Activation and enter the License ID and password you received from Corob.



Click on Activate to activate the driver for Innovatint use.

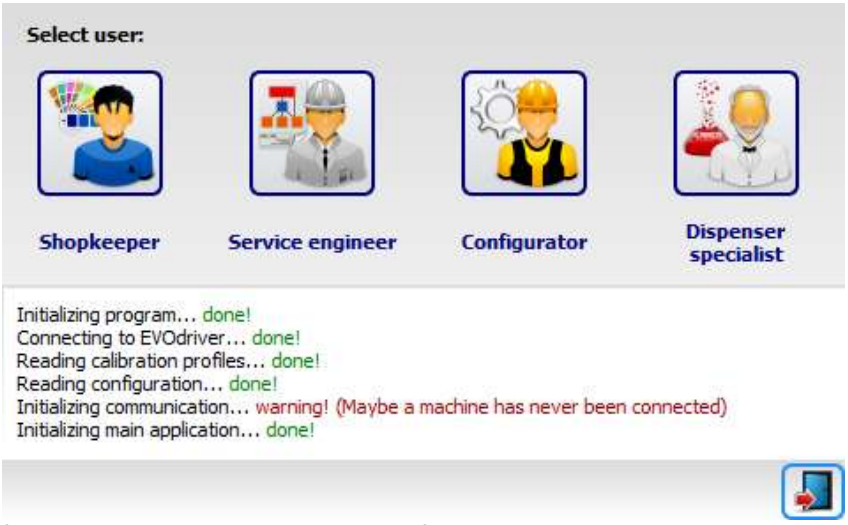
Open Innovatint POS and go to Dispenser configuration.



Select Next Driver as the driver to use.

NOTE: You need to configure the dispenser in EVOservice at this point so that it has the correct number of canisters and correct pump configuration, please consult Corob documentation.

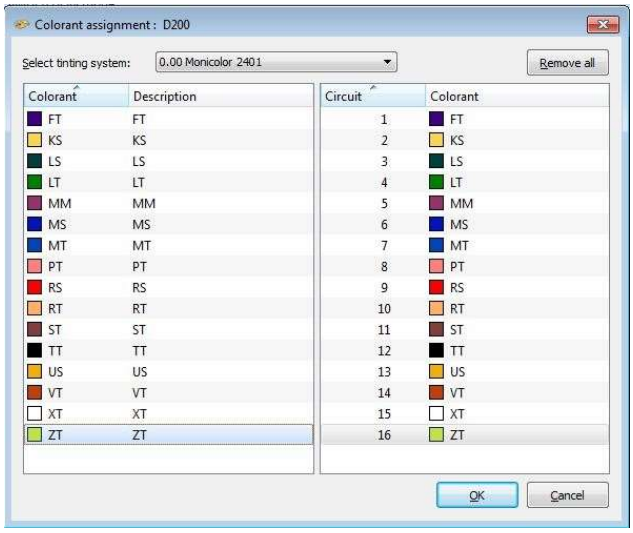
Once the dispenser is configured open EVOdriver as Service engineer. The password is ‘tech’



Follow the steps from Minimal GData section to configure the colorants. Restart the pc after finishing colorant configuration. After the reboot you can open POS and the driver will connect to the dispenser.

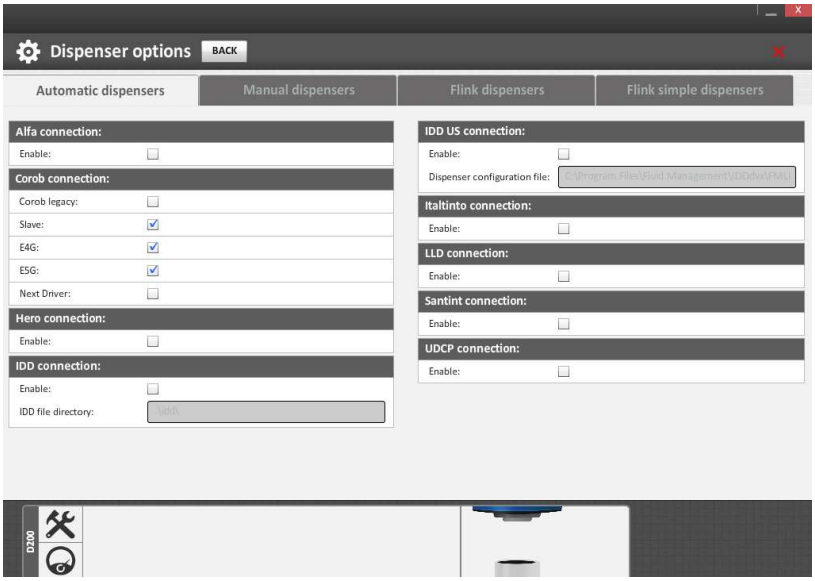
3.4 Minimal GData

After the installation open CorobTECH or EVOservice and install the dispenser (the wizard will come up automatically). During the installation of the database a minimum GData has already been created by Innovatint which saves the time of making it manually. Go through the wizard until the “Colorants” section has been reached. The colorants are already present, and they only need to be assigned to the correct canister.

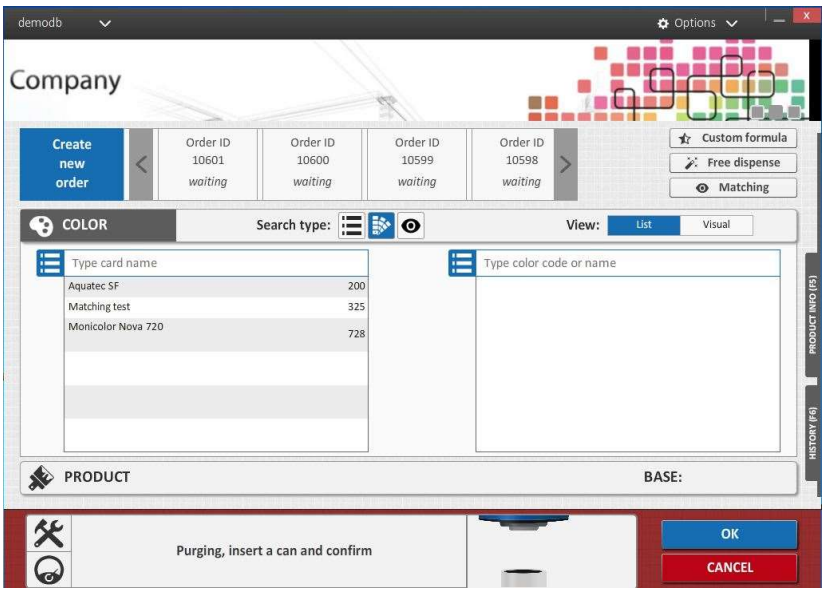


Now finish the complete wizard and conduct the necessary actions to install the machine, e.g. calibration.

Restart the computer. After the computer is restarted, Innovatint should automatically recognize the installation and display the correct colorants. When it is not, go to the machine driver configuration and select the correct driver type. Depending on the machine type this can be 4G, 5G, Slave or NextDriver.

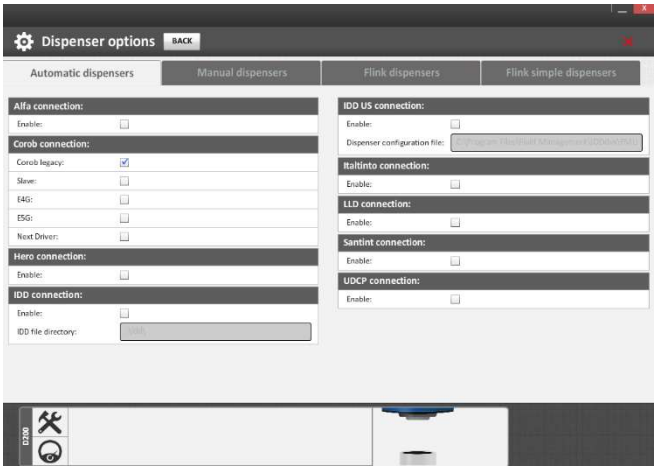


Now restart the program and it should connect.



3. Legacy dispensers (Rondo / Jazzo / D300)

For the Corob machines Rondo and Jazzo a legacy connection is available. In order to use these dispensers, it is needed to activate the machine option “Corob legacy connection”.



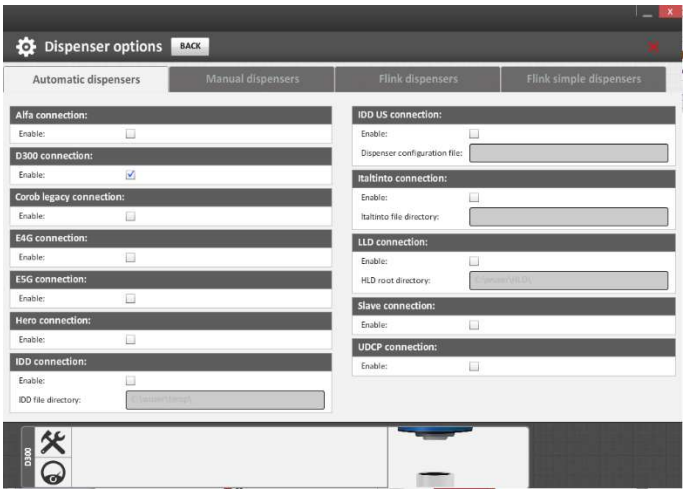
To configure these types of machines it is needed to install Dispense Manager. CorobTECH is not needed.

For the use of the D300 machine a normal Slave connection can be used, but there is also an alternative that offers more options, including punching. To be able to use this, setup in CorobTECH a D300

dispenser. When this has been done start Innovatint. This will trigger an addition in the configuration file of the dispenser management. Now close Innovatint and open the configuration file. This file is located in c:\wuser\driver and is called “config.ini”. Scroll to the line “[D300]”. On the line “supportedmodels” fill in the exact name of the D300 dispenser as used also in CorobTECH.

```
[D300]
enabled=True
usealldispensers=True
supportedmodels=D300
usemanualpuncher=False
```

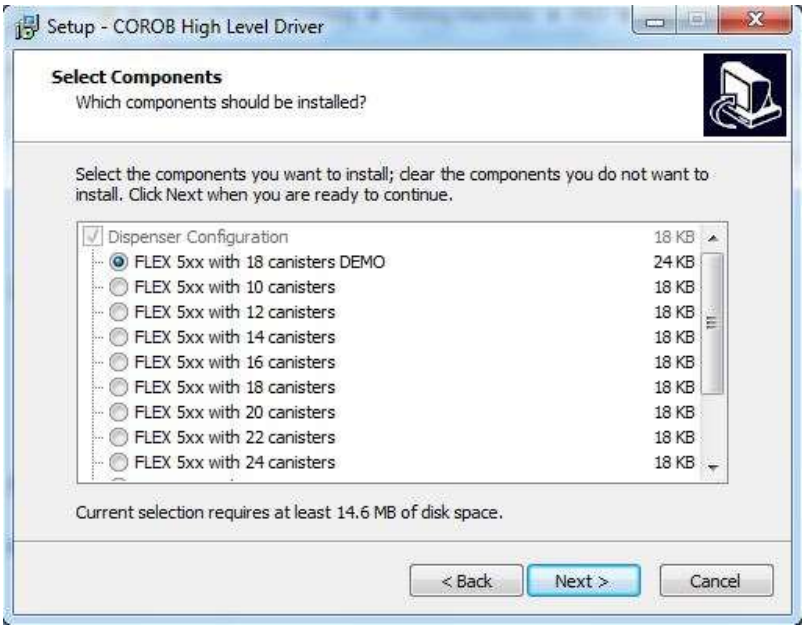
When this has been set save the file and close it. Start Innovatint again and go to the machine settings. Set the D300 to active. Make sure that the Slave connection is not in use. Restart Innovatint again and the machine should connect.



4. Installation of Flex dispenser

4.1 HLD

When Innovatint needs to interface with a Corob Flex dispenser it is necessary to install HLD. Install the package completely and chose the correct dispenser type.



Click “Next”.

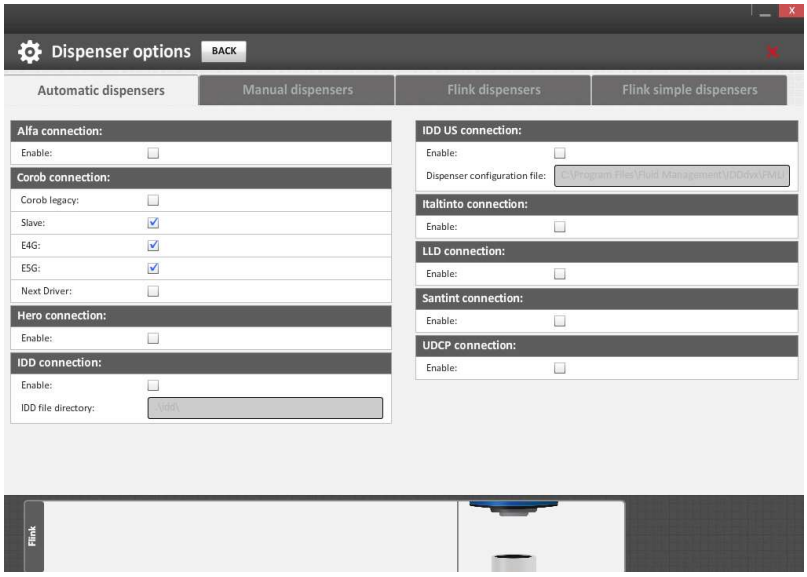
Select “Enable flink protocol” as option. Click “Next”.

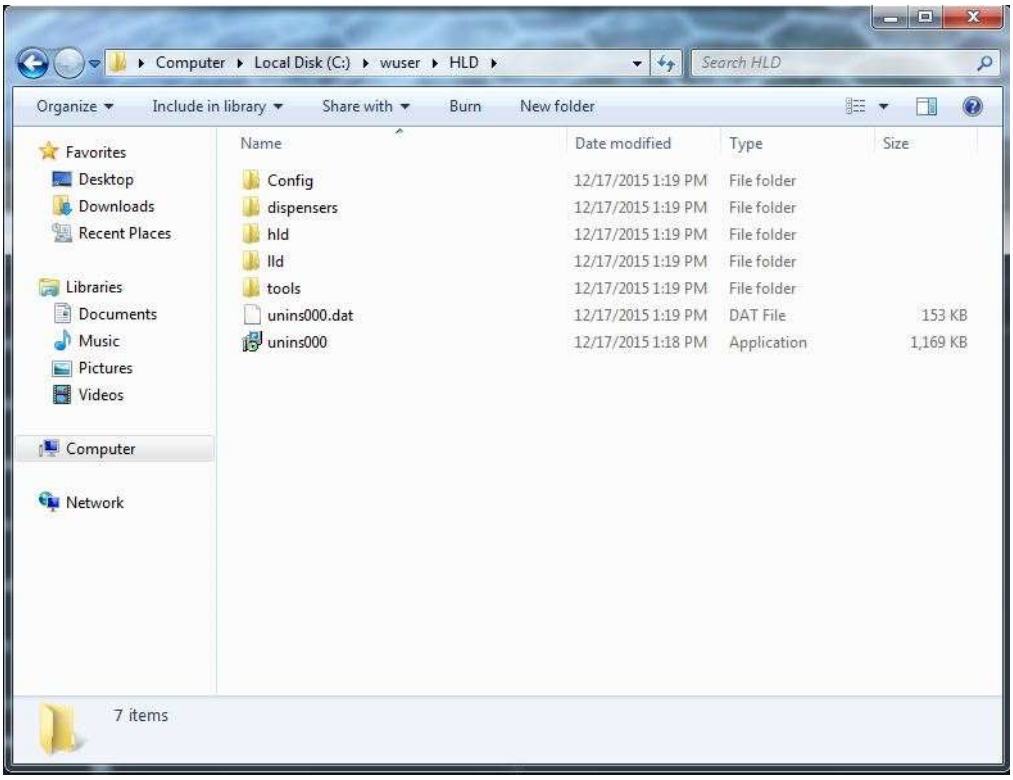
Finish the installation. Do not start the HLD when using Innovatint as they will conflict with each other.

4.2 Configuration

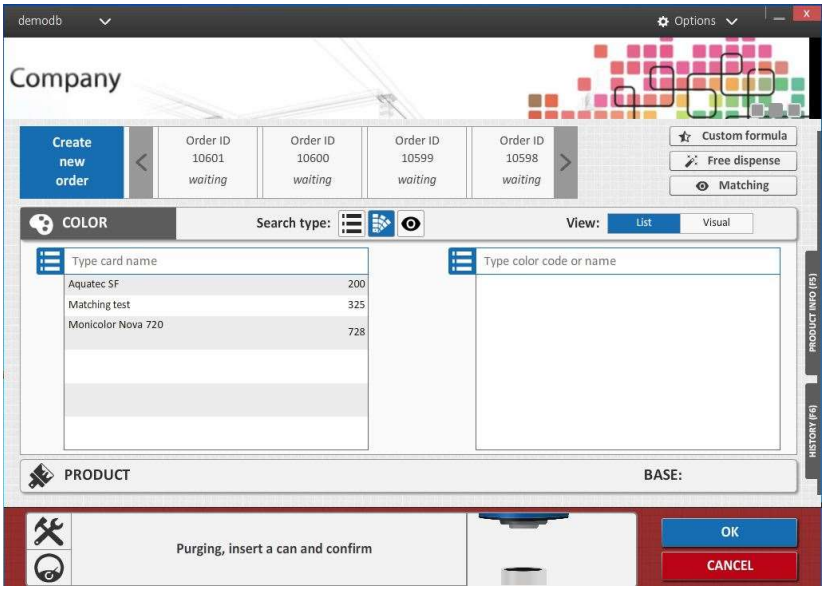
Now finish the installation and conduct the necessary actions to install the machine, e.g. calibration.

Restart the computer. After the computer is restarted open Innovatint and select the correct driver in the machine configuration section.





After giving in the correct path go out of the program and start it again. Now the program should connect with the driver.



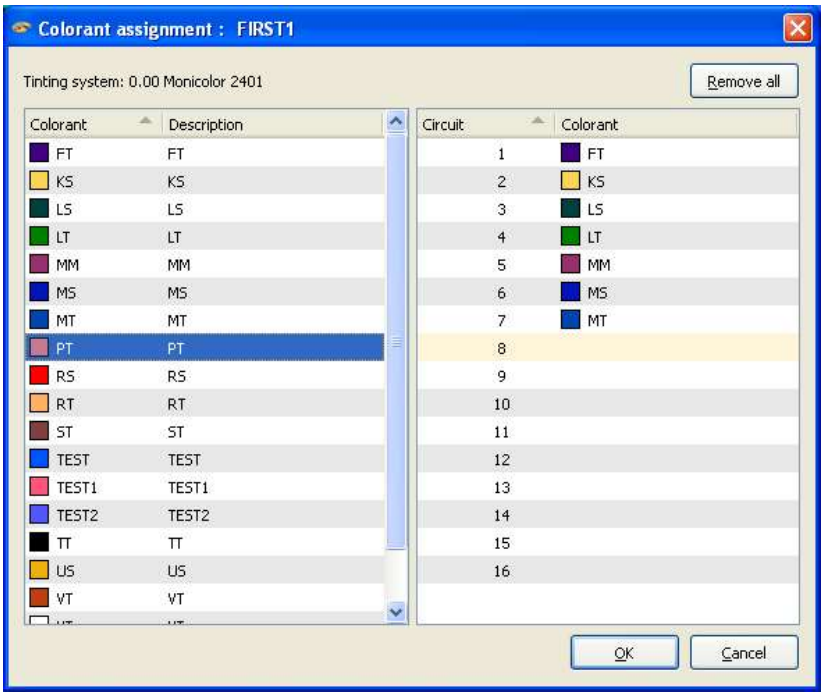
5. Installation of First1 dispenser

5.1 First1 driver

When Innovatint must interface with a First1 dispenser it is necessary to install the First1 driver. Install the package completely. CorobTECH is also installed where the standard password is “tech”.

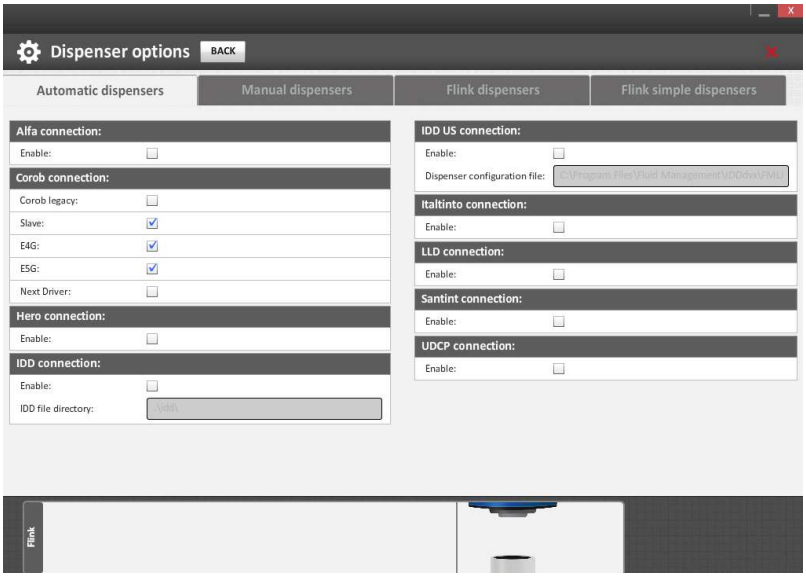
5.2 Minimal GData

After the installation open CorobTECH and install the dispenser (the wizard will come up automatically). During the installation of the database a minimum GData has already been created which saves the time of making it manually. Go through the wizard until the “Colorants” section has been reached. The colorants are already present, and they only need to be assigned to the correct canister.

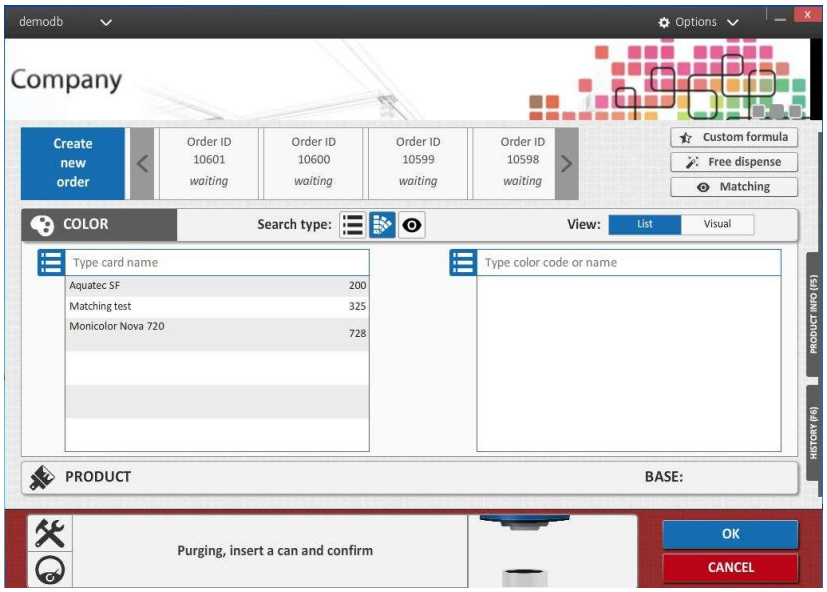


Now finish the complete wizard and conduct the necessary actions to install the machine, e.g. calibration. Use the instructions of the ONEDriver to do this.

Restart the computer. After the computer restarted the ONEDriver manager is automatically started and Innovatint should automatically recognize the installation and display the correct colorants. When it is not, go to the machine driver configuration and select the correct driver type.



Now restart the program and it should connect.

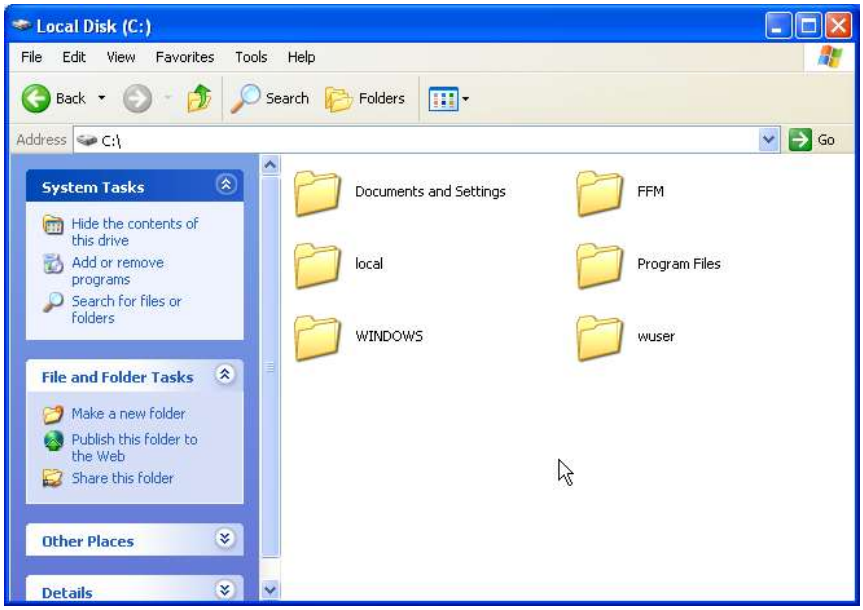


6. Installation of F&F dispenser

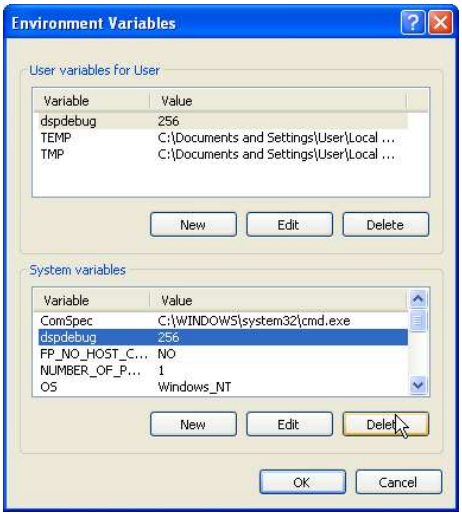
6.1 Preparations before installation

If Innovatint is installed on a clean computer this chapter can be skipped.

6.1.1 Chromaflo software (former Corob and CPS Color)



Remove (or at least rename) the folders called “C:\Local” and “C:\GData” (if exists).



Check that the DspDebug variable is not set in environment variables (both in user and system variables). If it is present, delete it and reboot the computer.

6.1.2 F&F software

Remove PrismaPro and any other software related to this.
Remove the folder C:\Program Files\Fast and Fluid Management.

Restart the computer.

6.1.3 Other dispensing software

Remove all dispensing software and any other software related to this. Make sure also all folders related to this software are removed.

Restart the computer.

6.1.4 NET 4.5

Check if the computer already has an installation for .NET 4.5. If not, you can install it. This installation package can be found in the installer package of the driver.
Restart the computer.

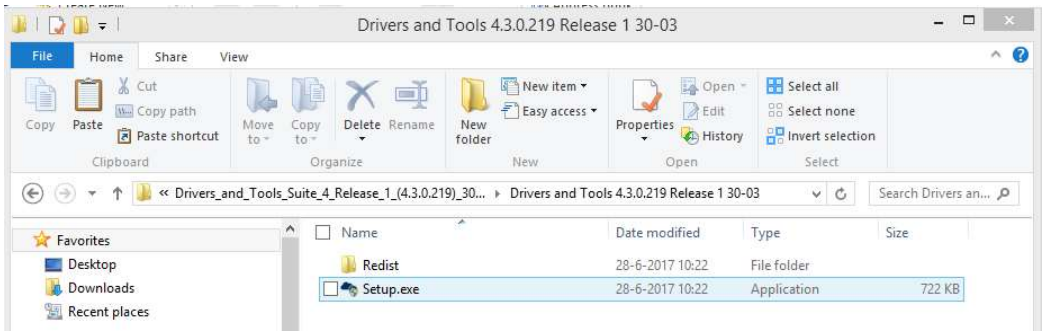
6.1.5 Internet Explorer 8

Check if the computer already has an installation for Internet Explorer 8 or higher. If not, you can install it through the Microsoft website or Windows Update. When the computer does not have an internet connection use the offline installer which can also be obtained through the Microsoft website. Make sure you download the package suitable for the language of your computer.

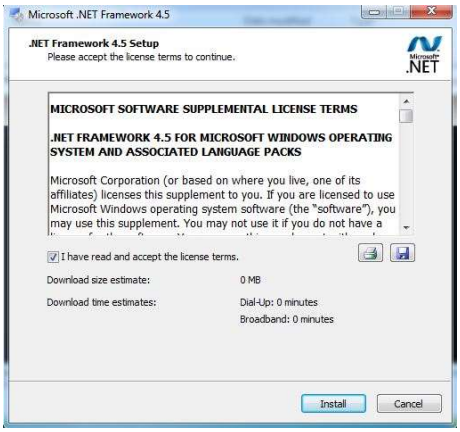
Restart the computer.

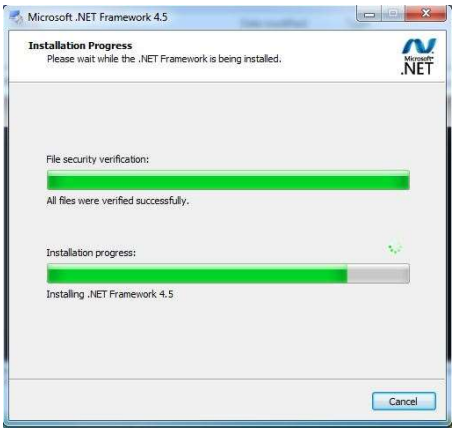
6.2 Innovatint driver

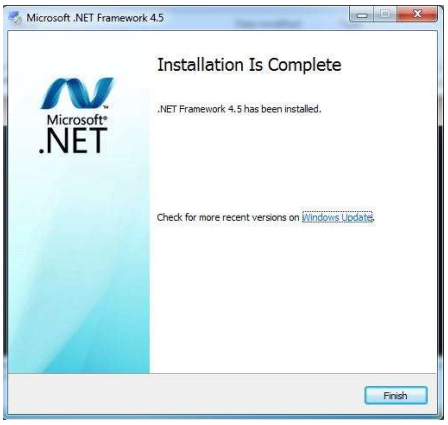
The driver for Innovatint from Fluid is generally called Innovatint driver. The driver package is called “DriversAndTools_x.x.x.xxx”. To install the needed drivers, select the “Setup.exe” setup package. It is recommended to run the package as administrator to be sure all needed rights are available (right mouse click -> run as administrator).



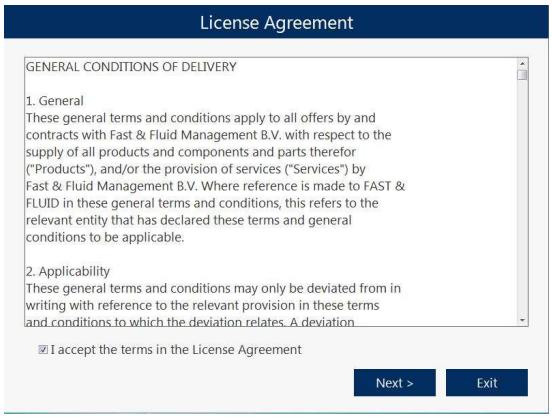
When the NET 4.5 is missing the program will ask to first install this. After this a restart is needed.

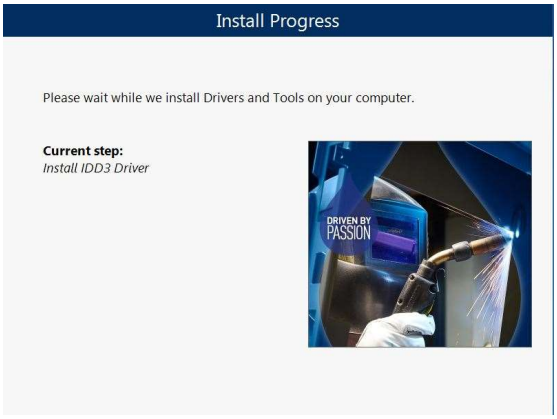


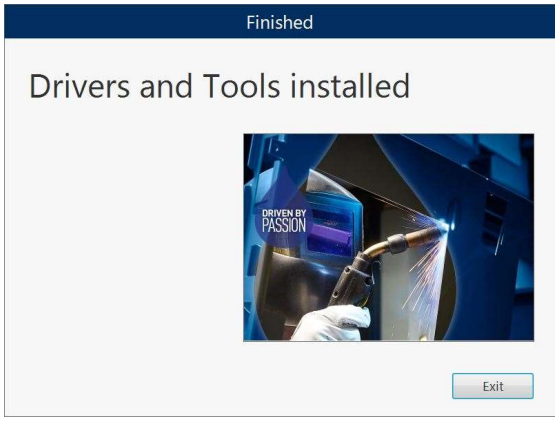




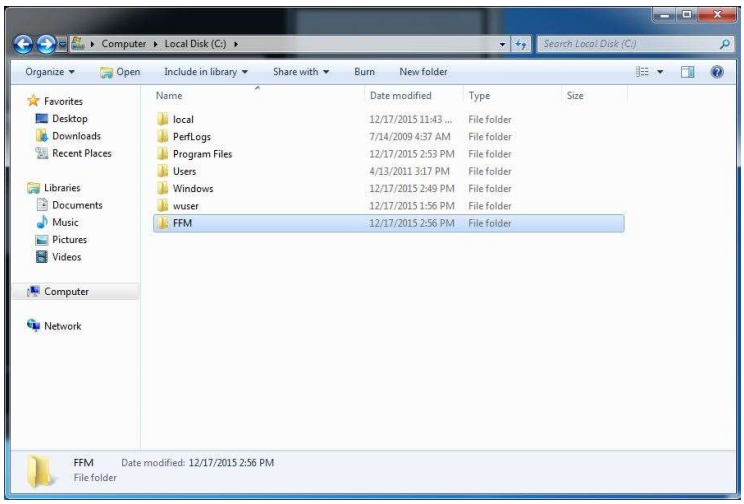
Continue the installation and keep all setting standard.



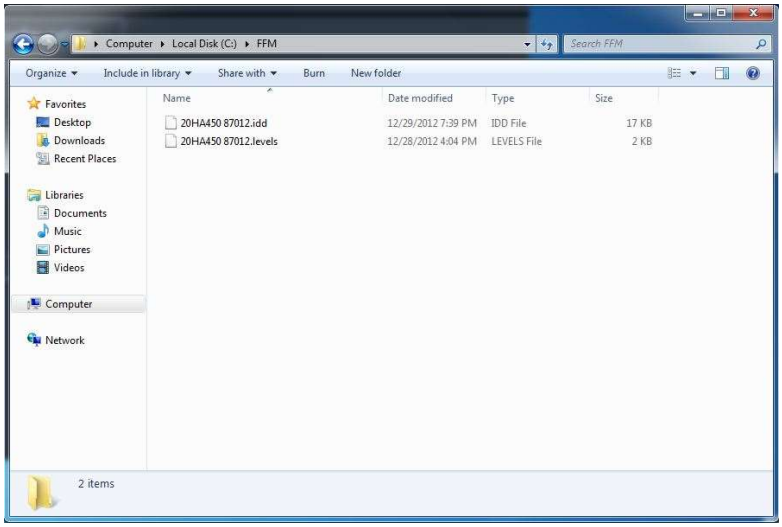




When the installation has been finished, create a folder on the c drive for the *.idd files like C:\FFM.

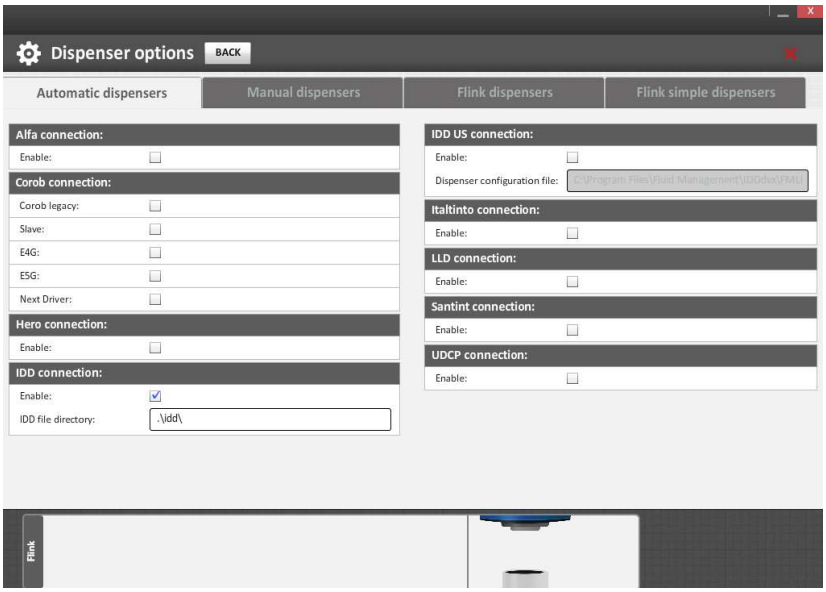


In this new folder put the idd file(s). This can be the old IDD format or the new one.



Now open Innovatint and set the correct driver and path.

NOTE: in the IDDTest program there is an option to set to suppress can warning messages. It is recommended to activate this setting to avoid duplicate messages in Innovatint.



Close Innovatint and start it again. Run it as administrator the first time.

6.3 HP500

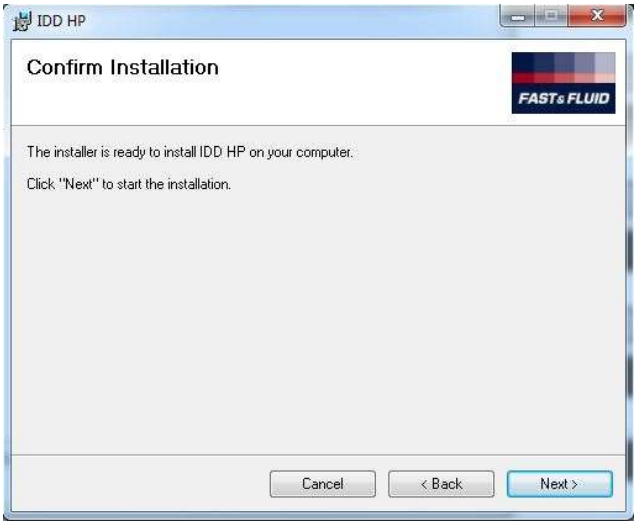
For the installation of the HP500 it is needed to install an additional software package.

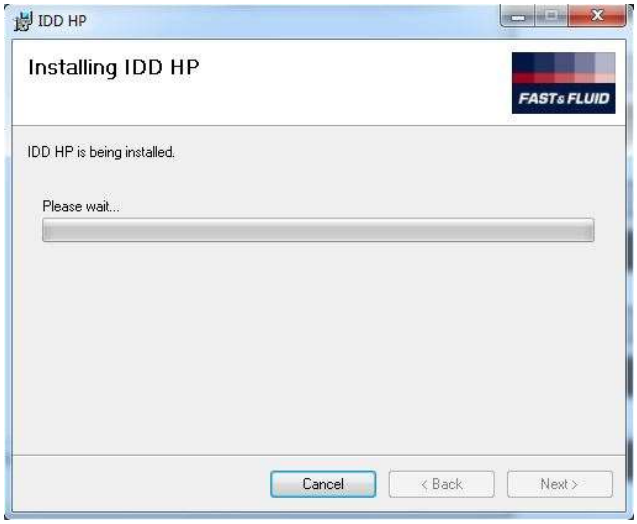
NOTE: do not install this when a normal “HA” is connected. Only the “HP” range will need this additional driver.

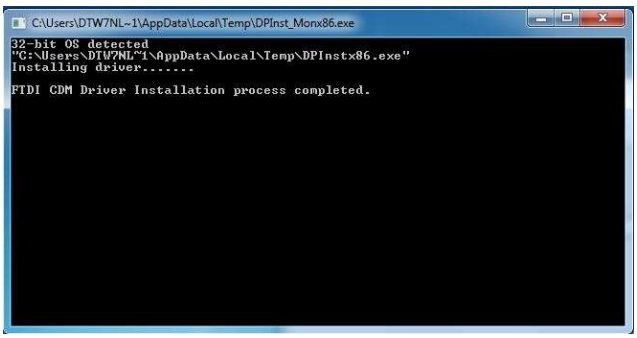
Install the file called “HP Driver Setup.msi” from the package “IDD HP X.X.X.XXX”.

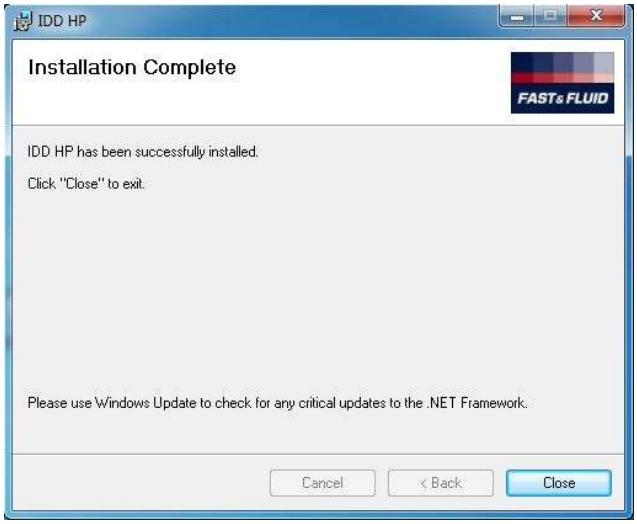

IDD HP
License Agreement
Please take a moment to read the license agreement now. If you accept the terms below, click "I Agree", then "Next". Otherwise click "Cancel".
GENERAL CONDITIONS OF DELIVERY
1. General
These general terms and conditions apply to all offers by and contracts with Fast & Fluid Management B.V. with respect to the supply of all products and components and parts therefor ("Products"), and/or the provision of services ("Services") by Fast & Fluid Management B.V. Where reference is made to FAST &
I Do Not Agree
I Agree
Cancel
< Back
Next >


IDD HP
Select Installation Folder
FAST & FLUID
The installer will install IDD HP to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\Fast and Fluid Management\
Browse...
Disk Cost...
Install IDD HP for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >


IDD HP
Confirm Installation
FAST & FLUID
The installer is ready to install IDD HP on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >


IDD HP
Installing IDD HP
FAST & FLUID
IDD HP is being installed.
Please wait...
Cancel
< Back
Next >

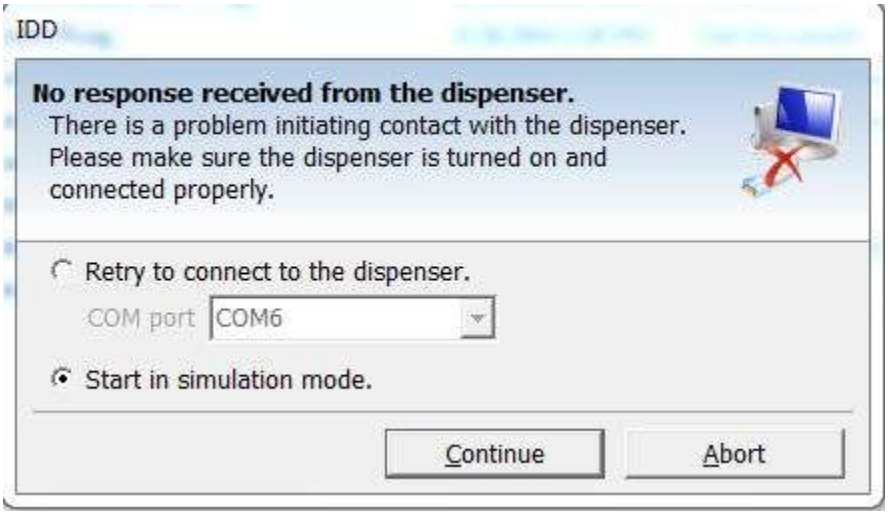

C:\Users\DTW7NL~1\AppData\Local\Temp\DPInst_Monx86.exe
32-bit OS detected
"C:\Users\DTW7NL~1\AppData\Local\Temp\DPInstx86.exe"
Installing driver.....
FTDI CDM Driver Installation process completed.


IDD HP
Installation Complete
FAST & FLUID
IDD HP has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel
< Back
Close

6.4 Activation

This only applies to older machine types. The HAx80, X-PROTINT and any machine using IDD4 or UIDD do not require activation!
When Innovatint starts and it finds the idd files and the driver the Fluid program will ask for activation. It is recommended to start Innovatint the first time as administrator.

The first one is an optional dialog that refers to the dispenser connection. When the correct configuration is in place and the dispenser is connected and up and running, this dialog may not appear. Make sure the dispenser is connected to a COM port and that it is switched on. Use the “Retry to connect to the dispenser” to connect to the correct COM port.



If the dispenser is up and running but there is no connection try to select a different COM port.
Then the next dialog related to the license will appear.

Enter here the license information (please refer to the IDD manual). After that a new icon should appear in the taskbar.

NOTE: the license code must be activated through the website of Fast&Fluid.

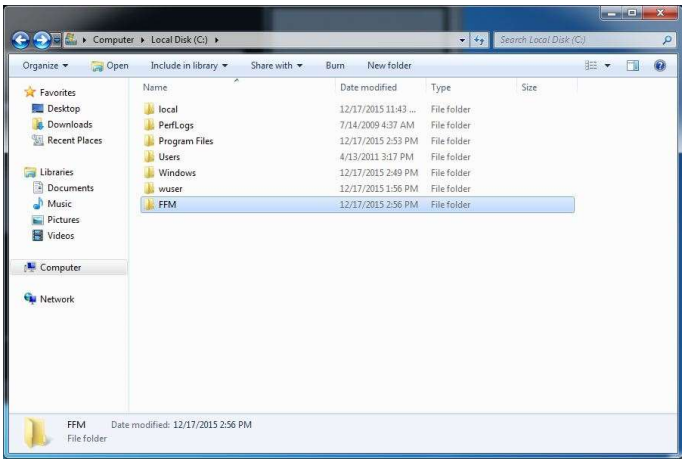
When everything is correct Innovatint should now connect to the driver.

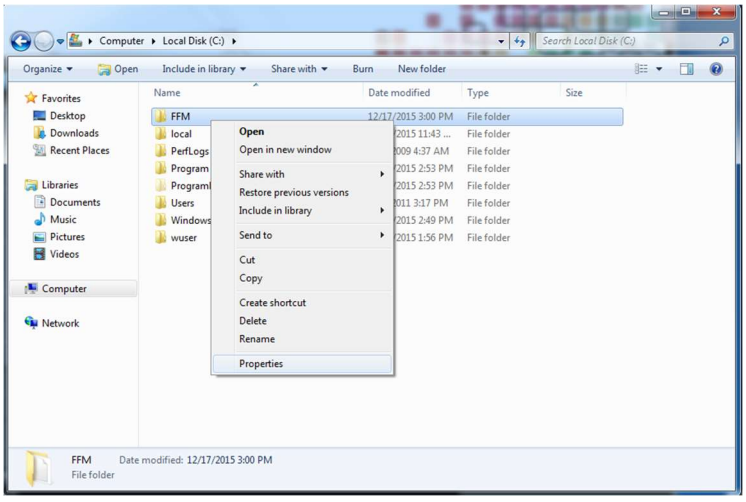
NOTE: when it does not connect open the program “IDD Test.NET” (run as administrator) and open the IDD file. After that shut down the program and try to open Innovatint again. Also run Innovatint as administrator the first time. When it cannot find the machine in the IDD Test program something is wrongly configured at the tinting machine. This should be addressed first. Or check the permission rights (see below)

6.5 Permission rights

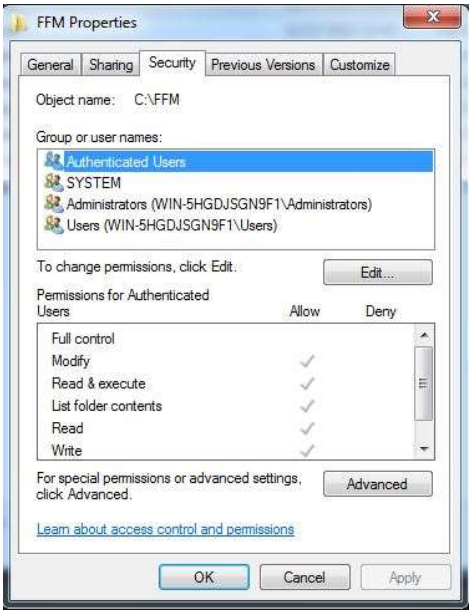
There can be an issue in Windows 7, 8, 10 and 11 when limited user rights are active. In case that Innovatint is not able to connect to the Fast&Fluid Driver. Check the permissions for the directory where the IDD files are located, in our case C:\FFM.

Navigate to “C:\FFM”.



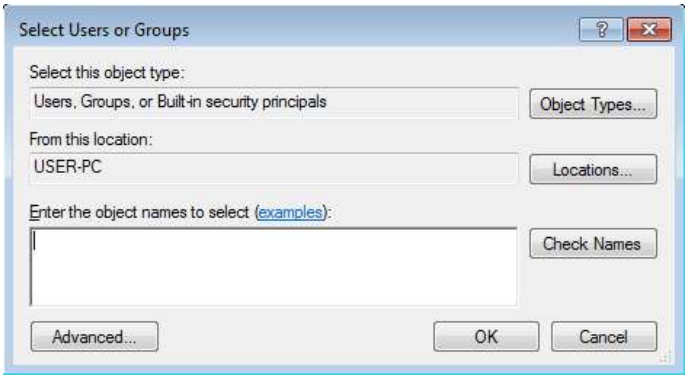


Click with the right mouse button on the FFM directory and select Properties.

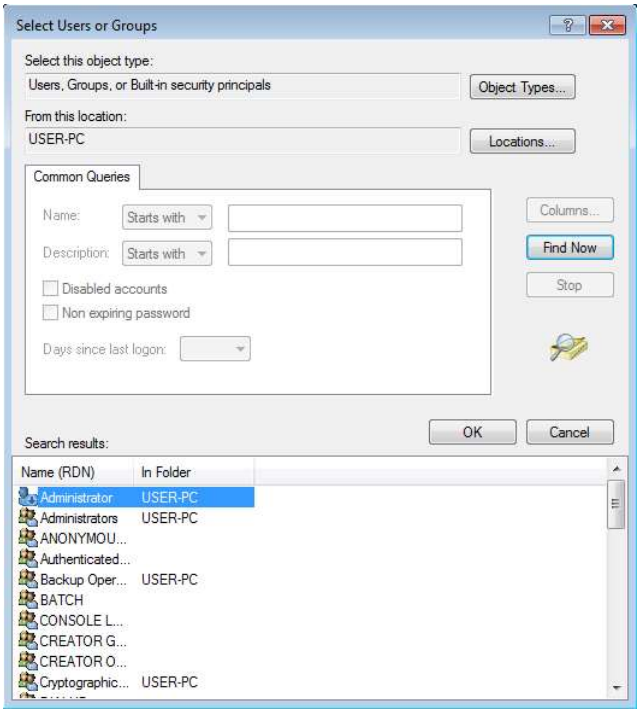


Check that user “Everyone” is in the list and has all permissions. When the user “Everyone” is missing click on the “Edit” button.

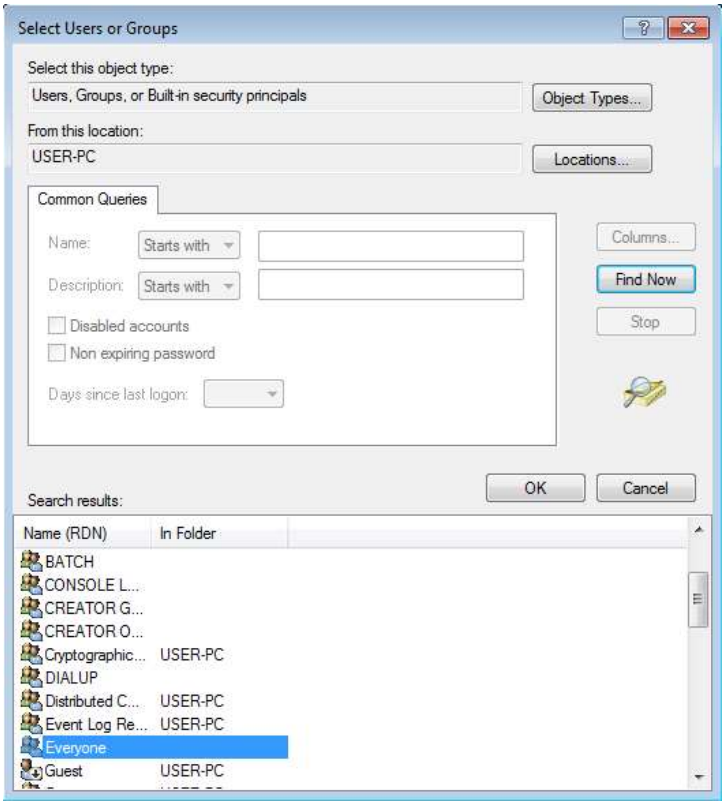
Click on the button “Add”.



Click on “Advanced” button and in the window that will appear select “Find Now”.

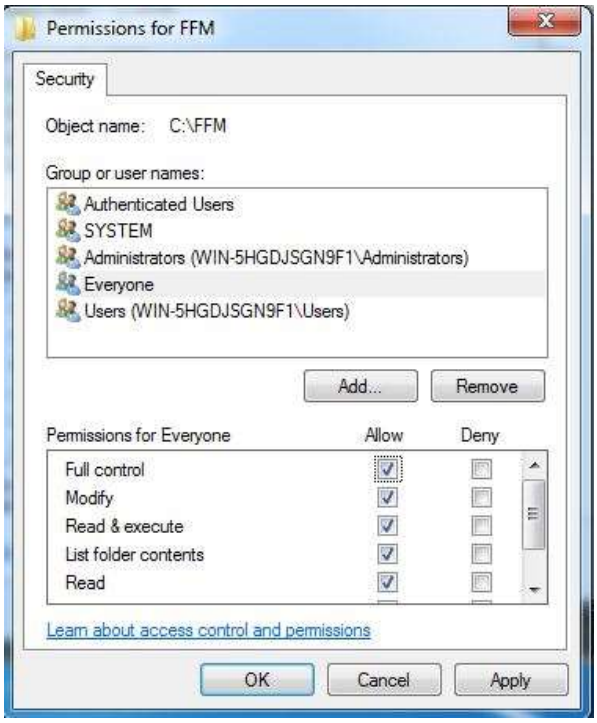


Select user “Everyone” and click “OK”.

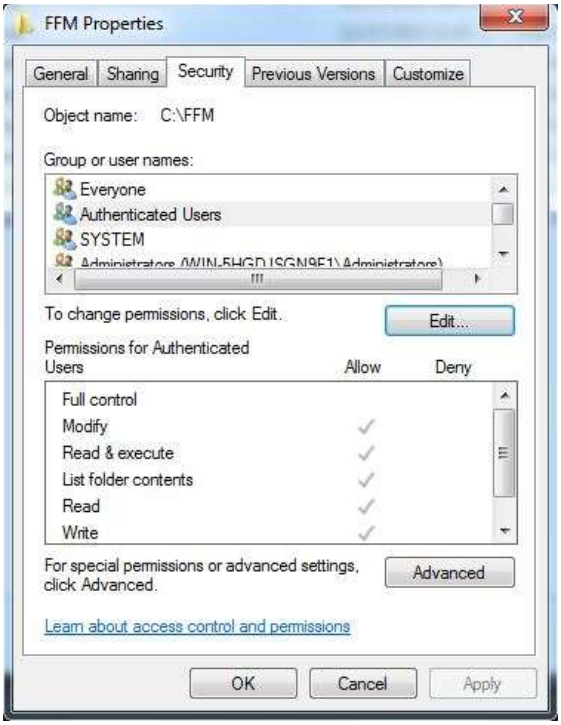


Confirm user selection. Click “OK”.

Select all permissions in the list.



Click on “OK”.



Check the permissions one more time. Click on “OK” and go back to chapter 1.5.5. to continue the installation.

6.6 Additional tools

Together with the Fast&Fluid Driver package there are other utilities installed. You can find them in the startup menu.

Calibration workshop –> calibration tool. Depending on the installed dispenser version 3 or 4 is needed.
IDD test client –> testing software for the dispenser (test and adjust the IDD configuration file)
Diag2002 –> another testing software for the dispenser

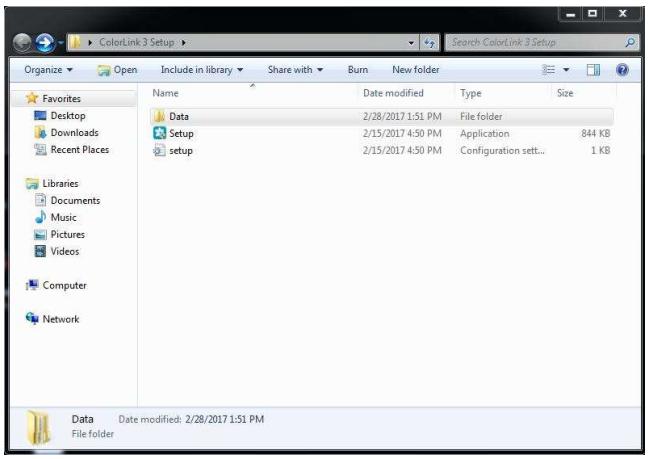
Refer to the Fast&Fluid documentation to get more information about these applications.

7. Installation of Santint dispensers

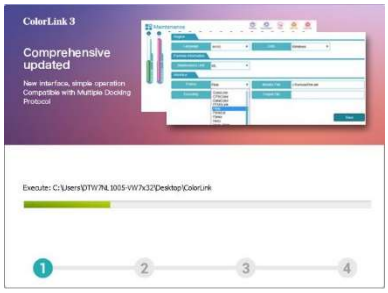
7.1 ColorLink3

You should have received a driver installation package from SANTINT for the UDCP driver that is needed for Innovatint use with SANTINT dispensers.

The package normally comes as a .zip file so decompress the file to a folder on the PC. It is recommended that the package is run from the PC as this will reduce issues with user rights. Navigate to the folder where the package has been copied and click on **setup.**



This will start the setup process. Go through the options to install the software.

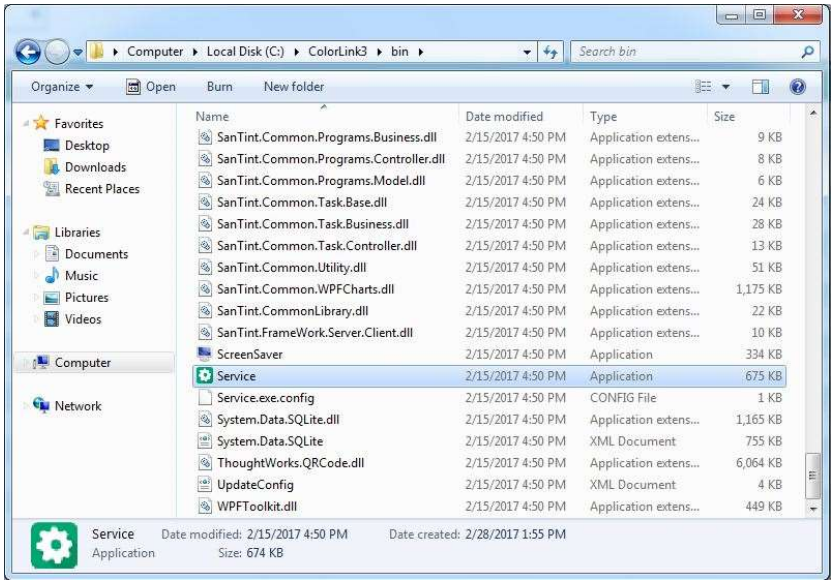


Reboot the PC when done.

7.2 Configure the colorant canisters into the driver

For this operation you need a .csv file with the names of the colorants in the machine. An example should be available with the installation.

Once the installation reboot is done navigate to the folder where the software was installed and open the folder: **bin**. Open the program called “Service.exe”.



From the main interface of the service program select from the **‘File’** menu the option **‘Install wizard’**

Follow the process as appropriate for your dispenser.

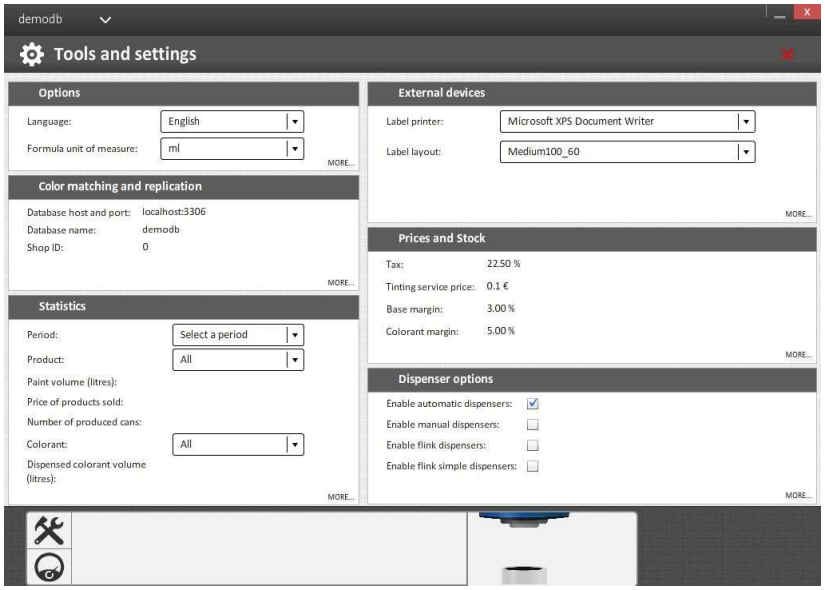
In step 2 select **‘Import colorant’** and select the .csv file from the location you’ve saved it into.

If you have included RGB values in the file, then they are shown on the right. You can set the colorants into the correct cans by selecting a row on the left and then selecting the corresponding colorant from the right. Alternatively, just assign the colorants descending or ascending order.

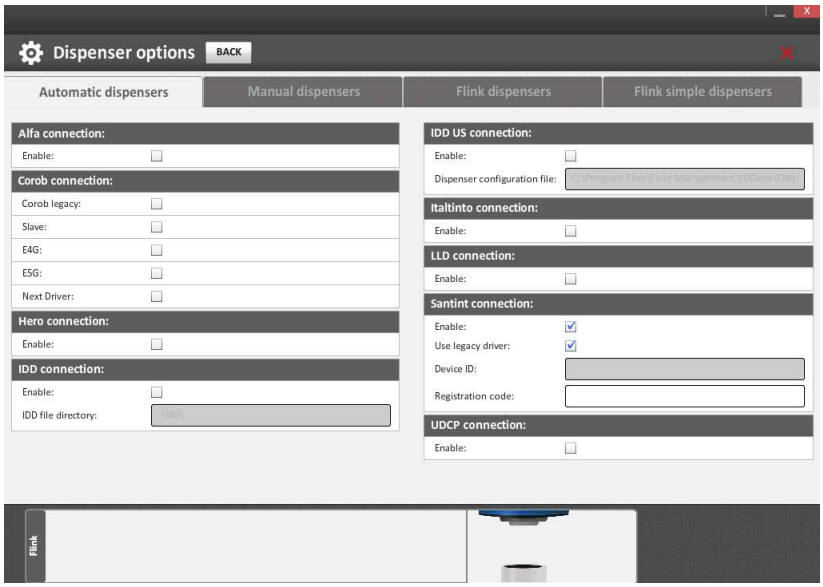
Go through the rest of the dispenser setup filling and calibrating the cans.

7.3 Configure Innovatint

Open Innovatint POS and navigate to the Tools&Settings screen.

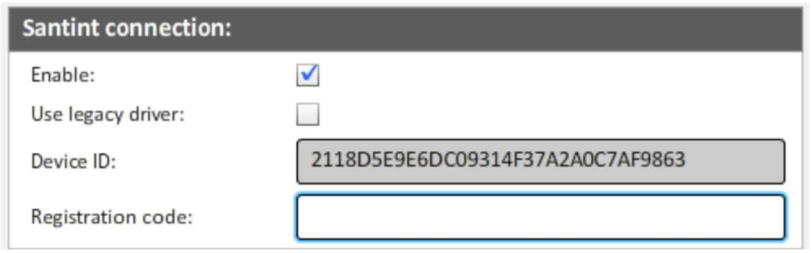


Click on the “more” button.



Select Santint connection and the legacy connection.

If you are using a version of Santints driver software that is from 2021 you can also use a newer driver that will eliminate a number of issues some older machines have with the Legacy driver. This will require you to enable the Santint connection in POS then restart POS until the Device ID field shows a code.



Then copy the code shown to an email and sent it to Santint, they will provide you with a registration code that you will need to enter into the allocated field.

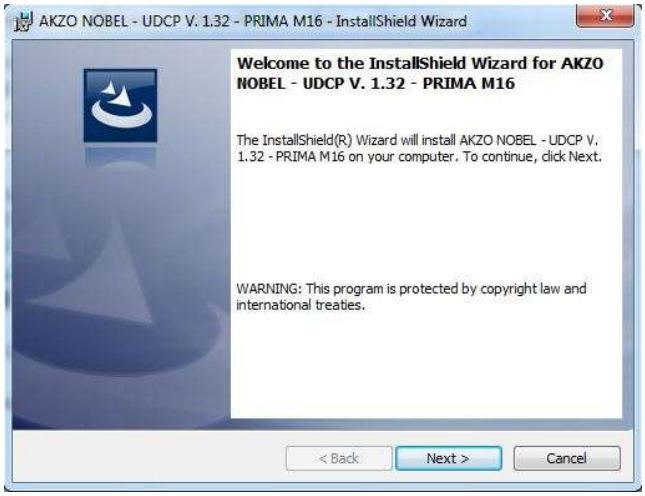
Close the program and run again. It should now connect to the machine.

8. Installation of Dromont dispensers

8.1 Dromont UDCP link

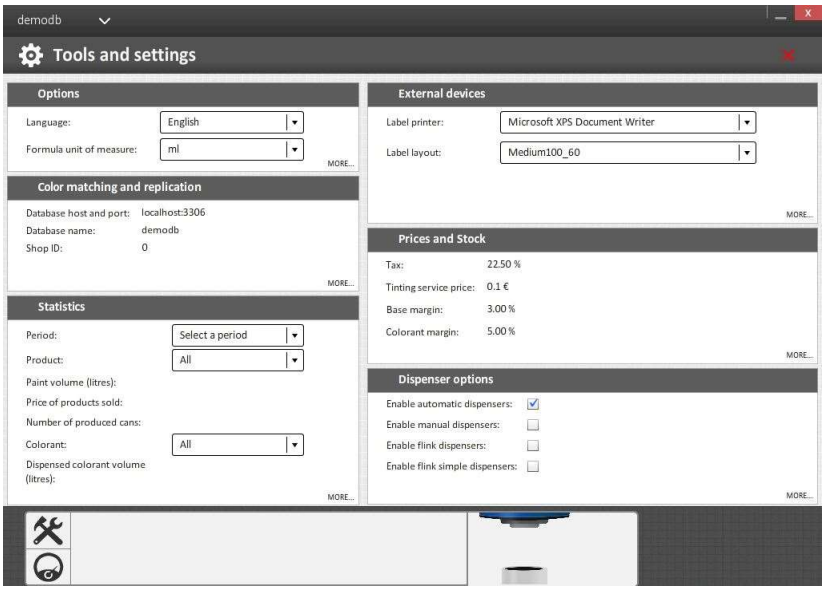
The package used for the installation is called: “udcp_dromont_install_vxxxx”. As this package originally has been developed for Akzo Nobel this name is displayed in the package. This can be ignored.

Execute the package as administrator. Just follow the wizard and keep the standard settings. It will come with several install packages automatically. Just finish all of them. You will not receive a message when the installation has finished.

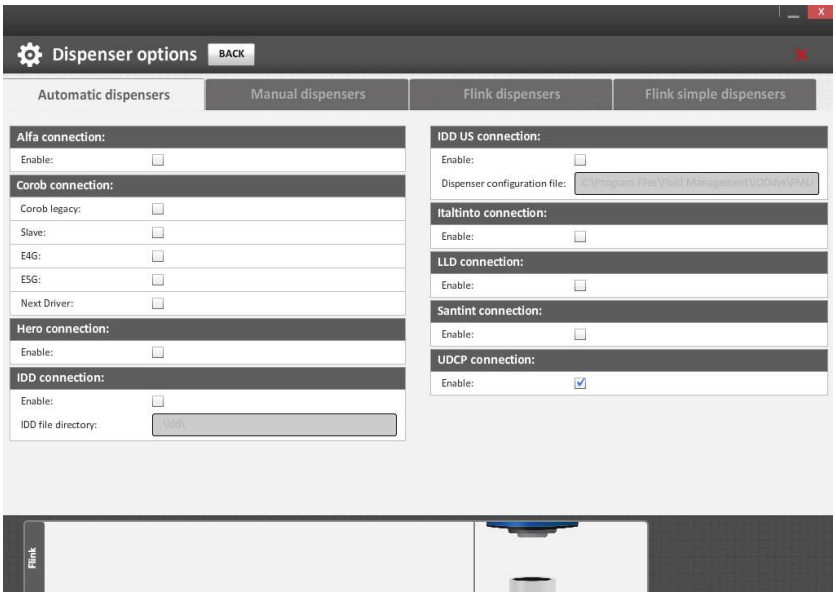


8.2 Configure Innovatint

Open Innovatint POS and navigate to the Tools&Settings screen.



Click on the “more” button.



Select the UDCP connection.

Close the program.

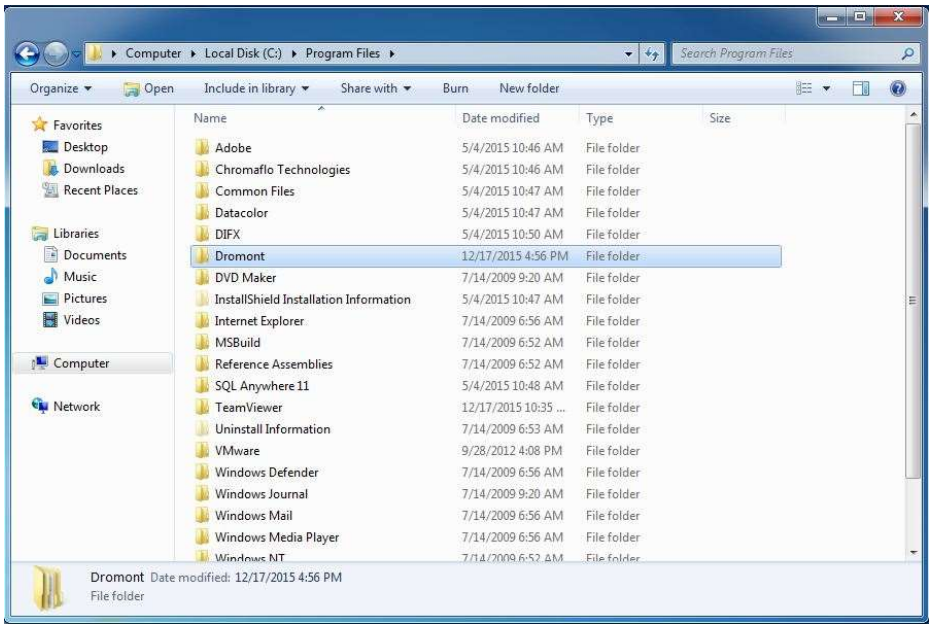
For Dromont it is needed to manually change a setting to make the messaging system work correctly. To do this go the C:\wuser\Driver\dispensers\udcp1.ini and look for the line in the General section that states auto_close_driver_messages=False and change the value “False” to “True”. Save the changes and close the file.

NOTE: For the new type of Dromont dispensers using the MisuraRetail software add in the above mentioned INI file also the following:
delay_after_command=0.1

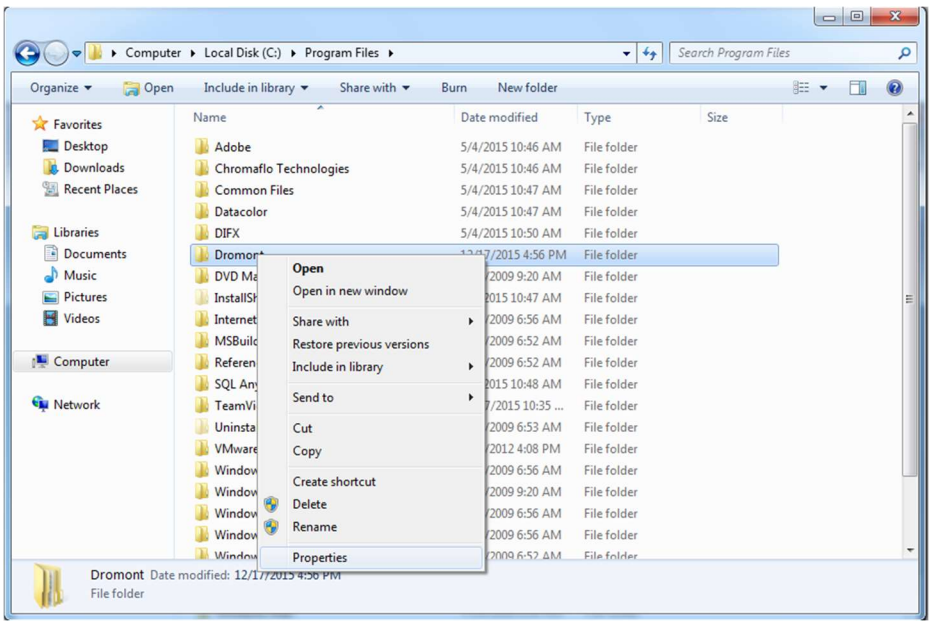
It should look like this:
[Dispenser]
delay_after_command=0.1

8.3 Permission rights

There can be an issue in Windows 7 and 8 when limited user rights are active. To prevent this from occurring, check the permissions for the directory “C:\Program Files\Dromont”.

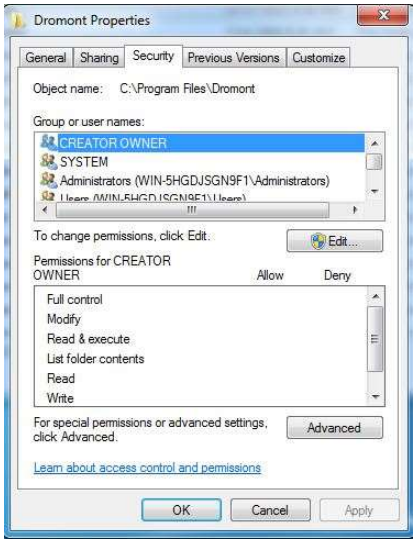


Navigate to “C:\Program Files
Click with the right mouse button on the Dromont directory and select Properties.

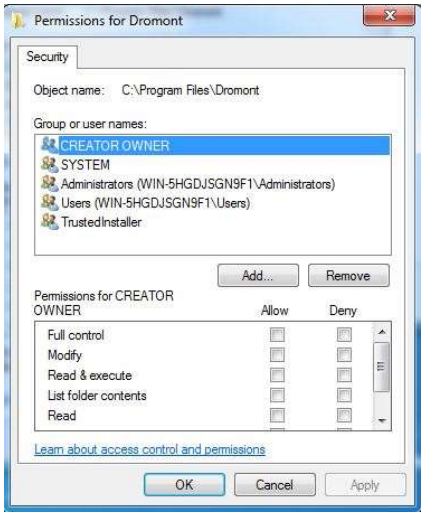


Check that user “Everyone” is in the list and has all permissions. When the user “Everyone” is missing

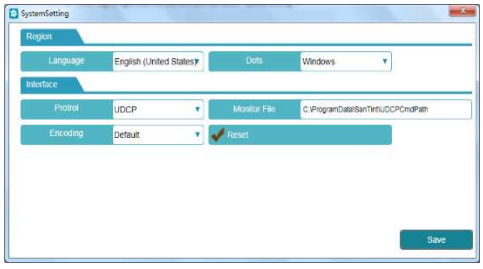
Click on the “Edit” button.

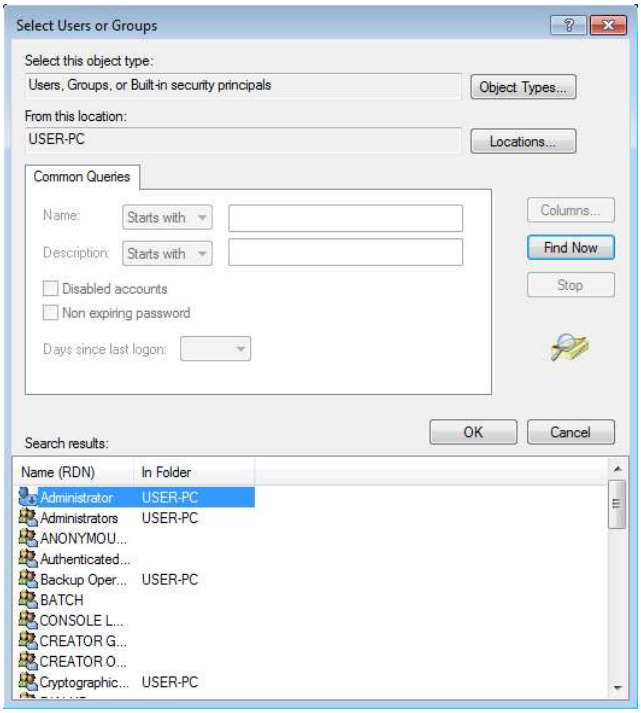


Click on the button “Add”.

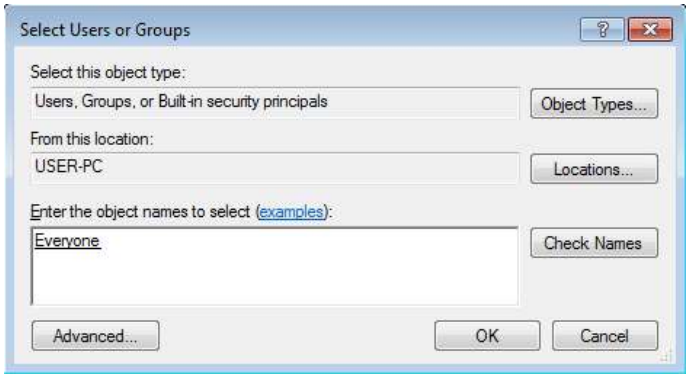


Click on “Advanced” button and in the window that will appear select “Find Now”.

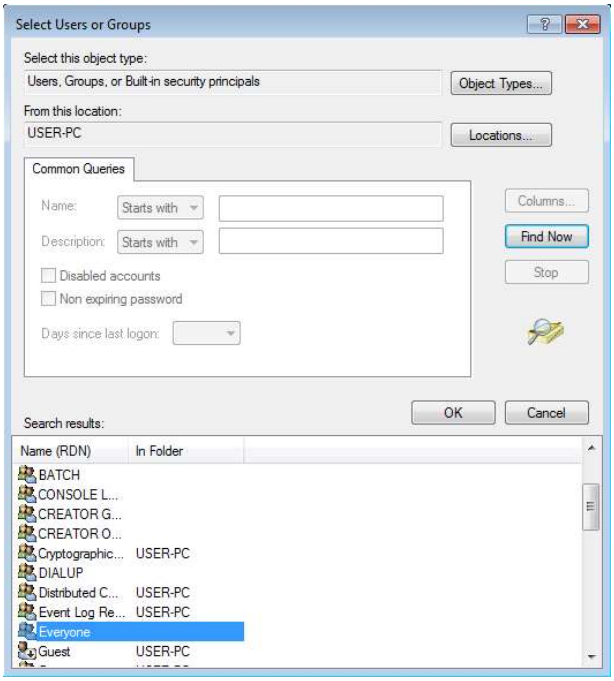




Select user “Everyone” and click “OK”.



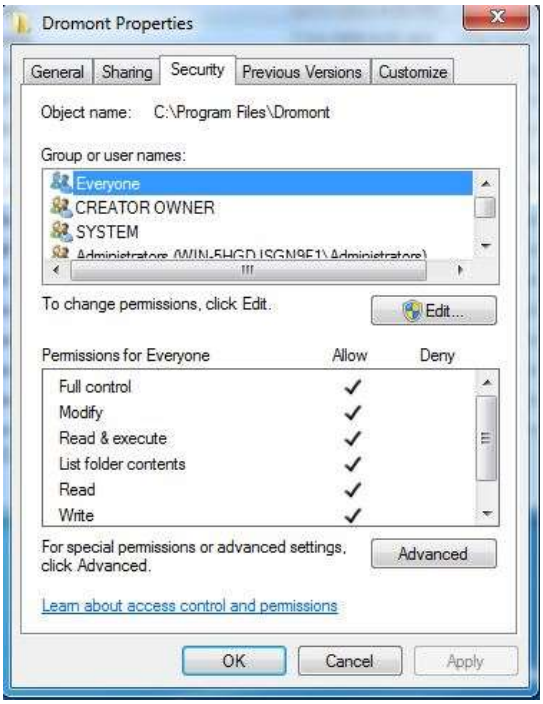
Confirm user selection. Click “OK”.



Select all permissions in the list.

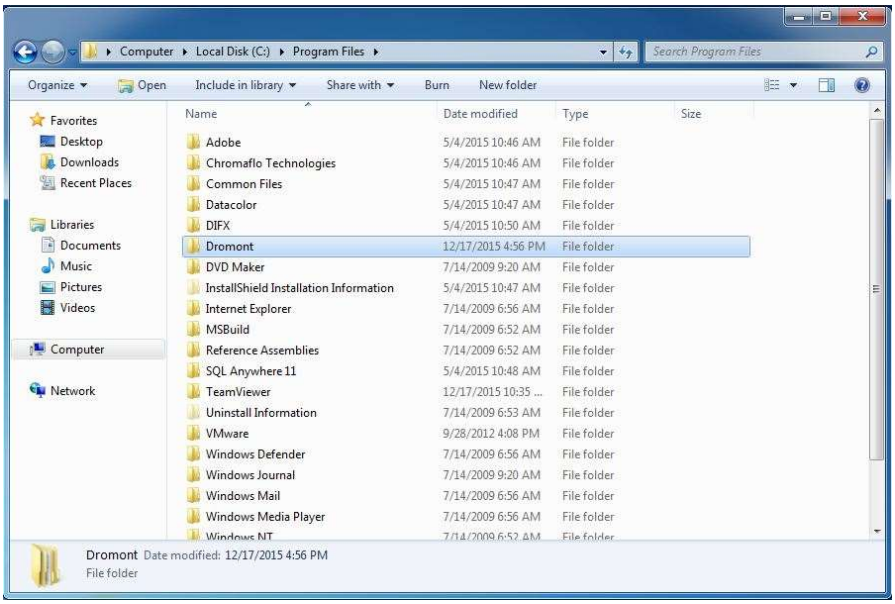
Click on “OK”.

Check the permissions one more time. Click on “OK”.

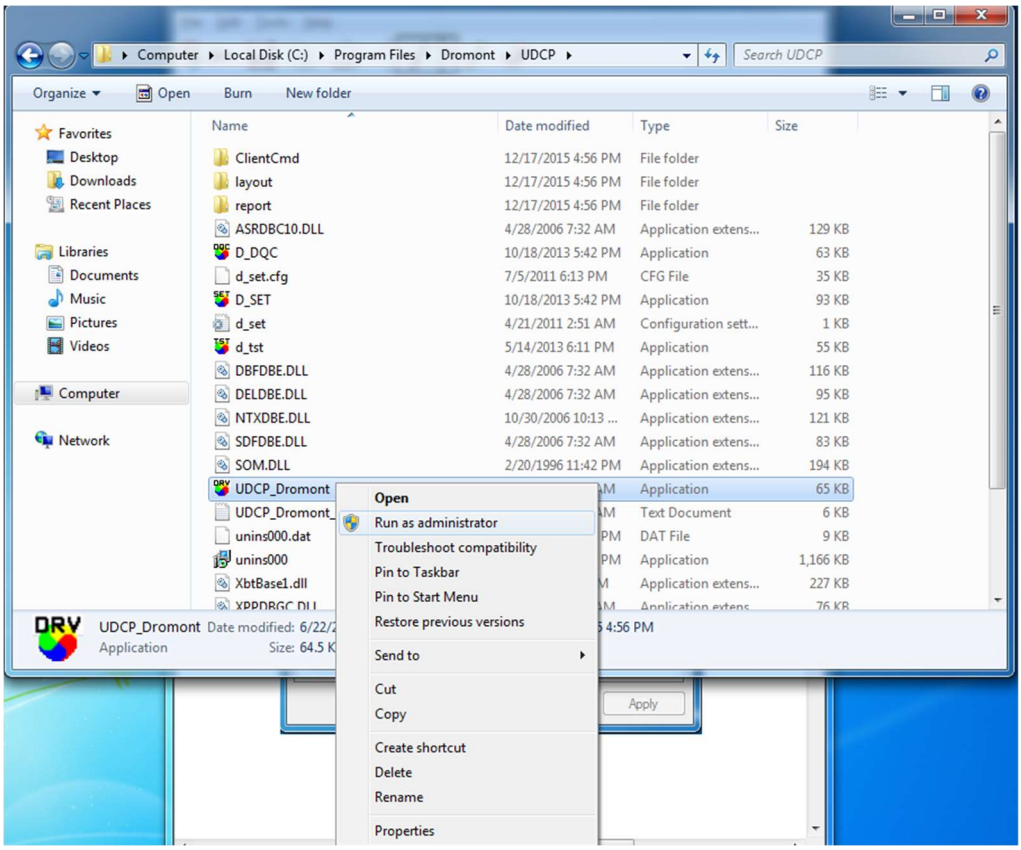


8.4 Autostart

Innovatint is not able to automatically start any UDCP client so you need to create a shortcut that will start the Dromont UDCP driver client during PC startup.

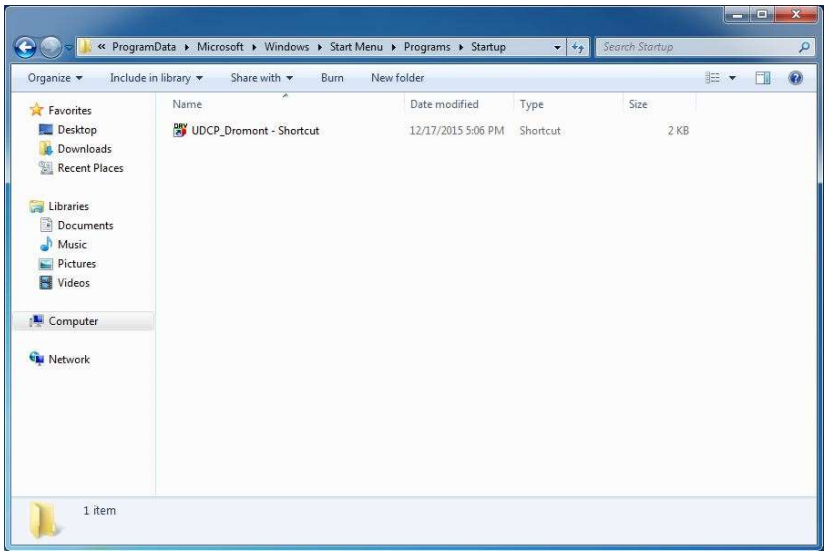


Navigate to “C:\Program Files\Dromont\UDCP\”, click on the “UDCP_Dromont.exe” with the right button of the mouse and select Create shortcut. Copy / Cut the created shortcut.



Navigate into the folder where the Startup menu icons for user “All users“ are stored.

For Windows 7 / 8 / 10 / 11 the path is:
“C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Startup\”
(This folder is hidden by default).

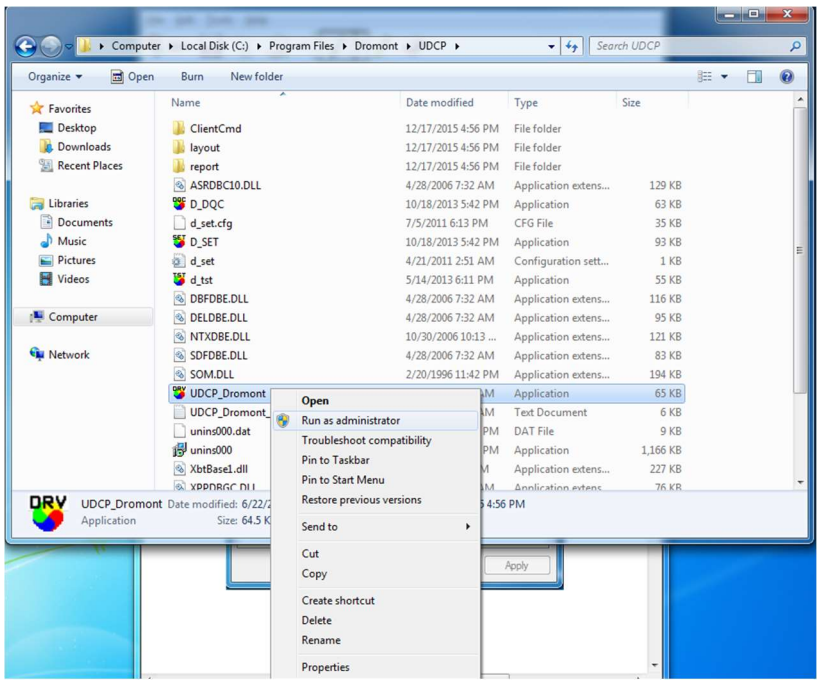


Paste the shortcut there. Ensure that the file has been copied correctly and is in the Startup directory of the startup menu.

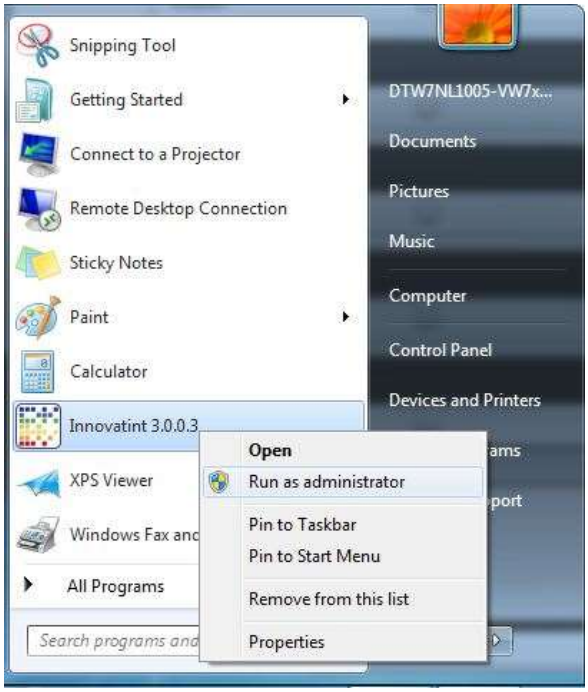
8.5 First start-up of UDCP driver

Start the UDCP client. Please navigate into “C:\Program Files\” and start “UDCP_Dromont.exe”.

For Windows 7 / 8 / 10 / 11 always use the “Run as administrator” option the first time! Do this by clicking with the right mouse button on the icon and select this option.



Open the Start menu in windows and run the Innovatint P.O.S. as administrator as well, but you only need to do this on the first time you start the software up.

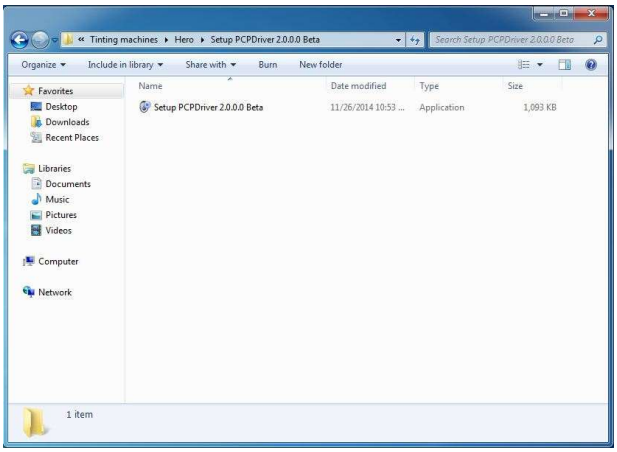


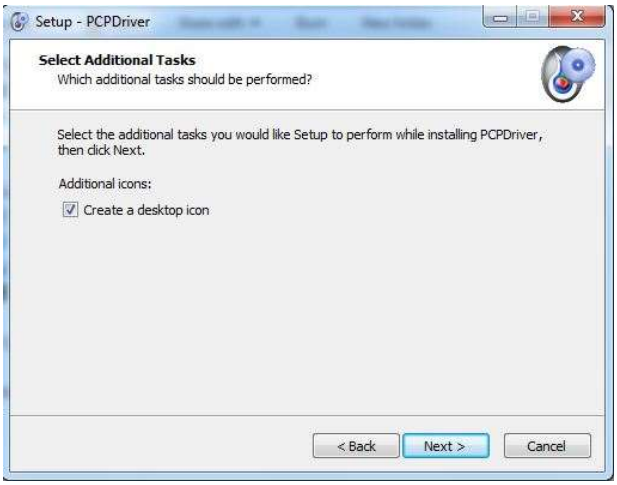
When everything is correctly configured Innovatint should now connect to the driver. When configuration of the dispenser is needed first finish this through the maintenance program of Dromont.

9. Installation of Hero dispensers

9.1 Hero PCP Driver

The driver from Hero is very easy to install. Use the package called “Setup PCPDriver 2.x.x.x. - ”. Run the executable and use the standard settings except for adding a desktop shortcut.

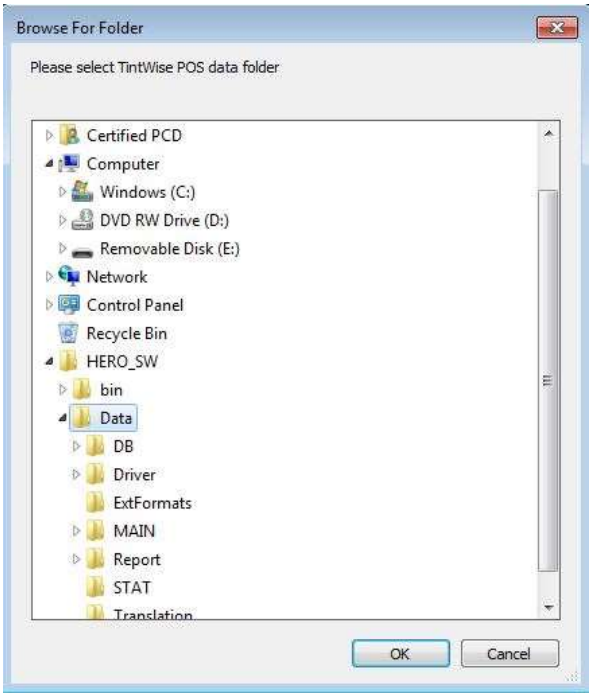


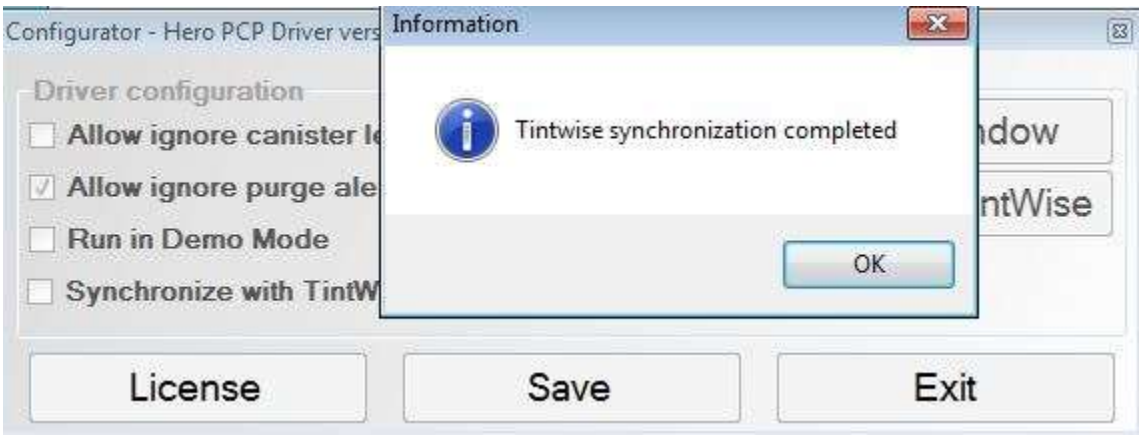


9.2 PCPDriver configuration

When starting the PCPDriver you will be able to do several things. When having also an installation of TintWise you will be able to copy the configuration from TintWise to the PCPDriver by selecting the "Sychronize with TintWise POS" checkbox. When this is not the case the "Service Window" can be used to setup the tinting machine and do the calibration.

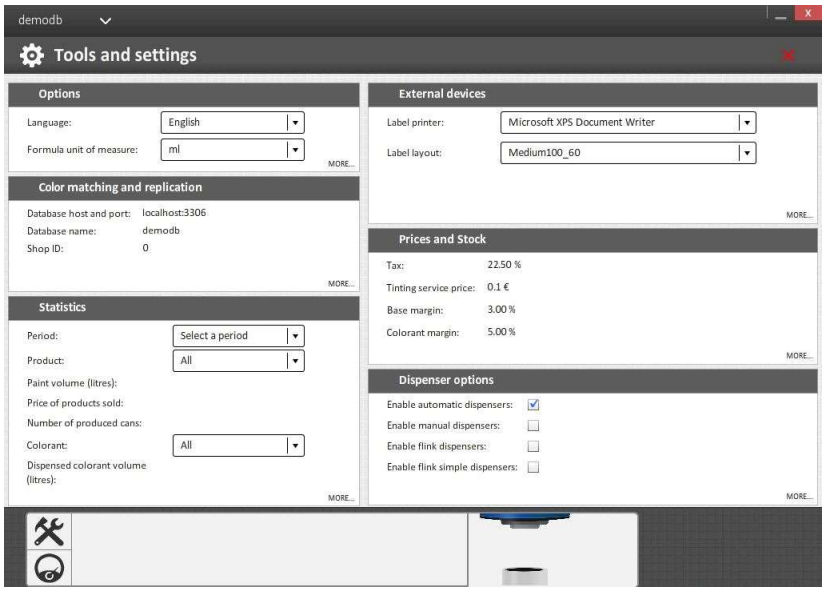
When the configuration came from another computer you will be able to import it from there as well by transferring the configuration via an USB stick.


Browse For Folder
Please select TintWise POS data folder
Certified PCD
Computer
Windows (C:)
DVD RW Drive (D:)
Removable Disk (E:)
Network
Control Panel
Recycle Bin
HERO_SW
bin
Data
DB
Driver
ExtFormats
MAIN
Report
STAT
Translation
OK
Cancel

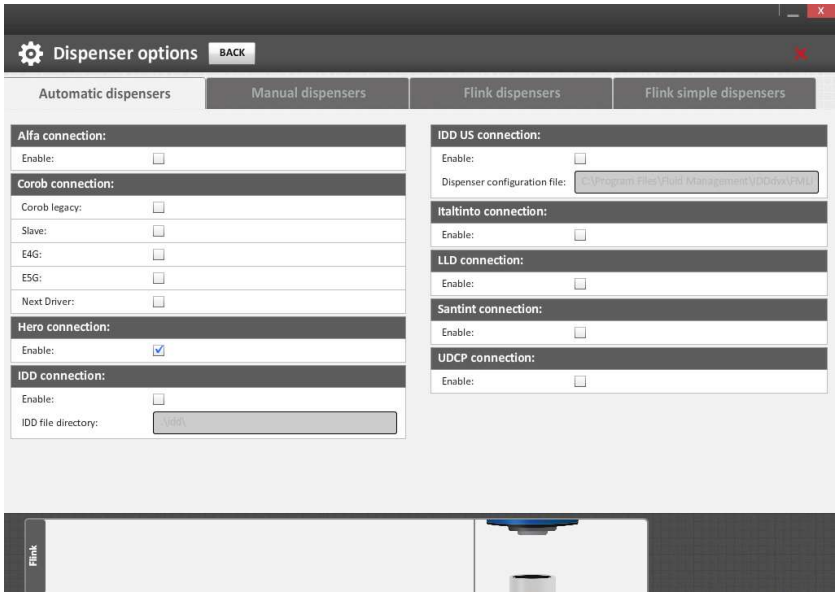

Configurator - Hero PCP Driver vers
Driver configuration
Allow ignore canister l
Allow ignore purge ale
Run in Demo Mode
Synchronize with TintW
Information
Tintwise synchronization completed
OK
License
Save
Exit

9.3 Innovatint configuration

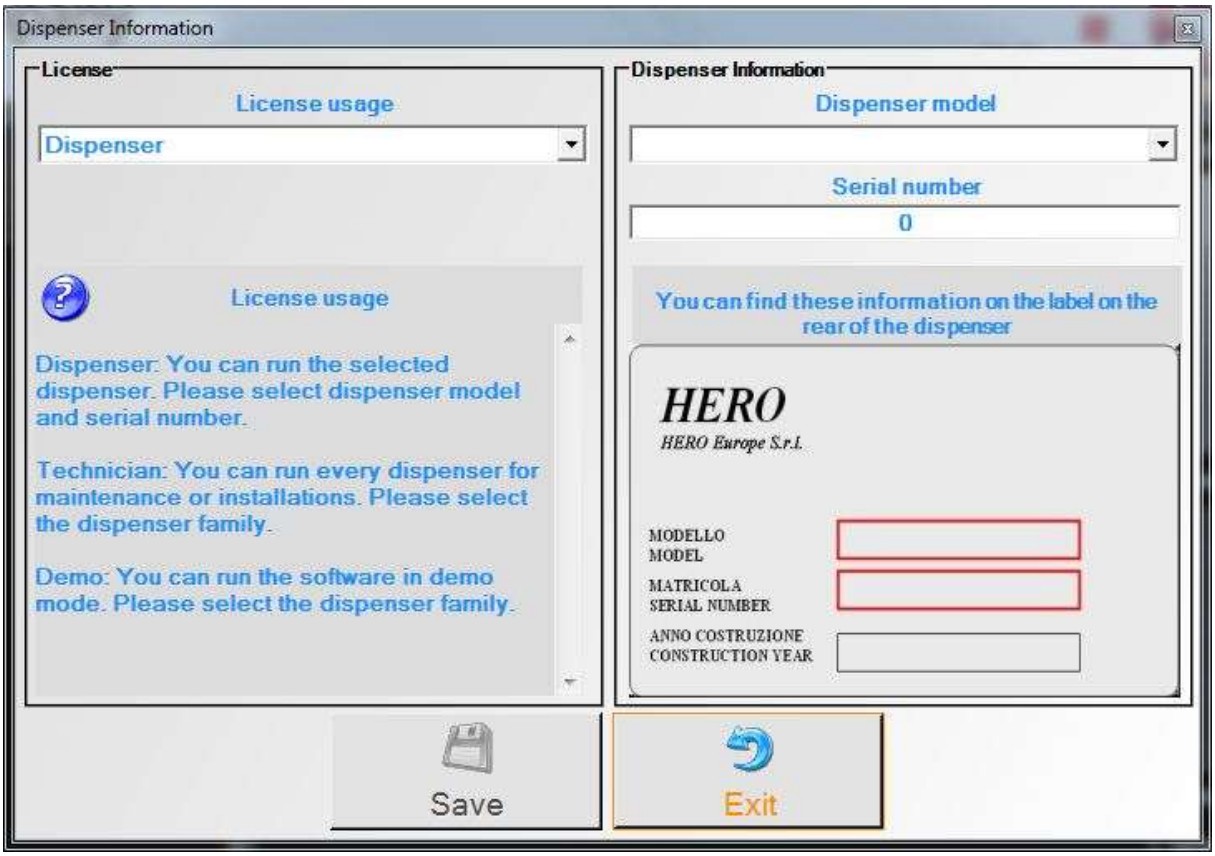
Open Innovatint and go to the Tools&Settings screen.



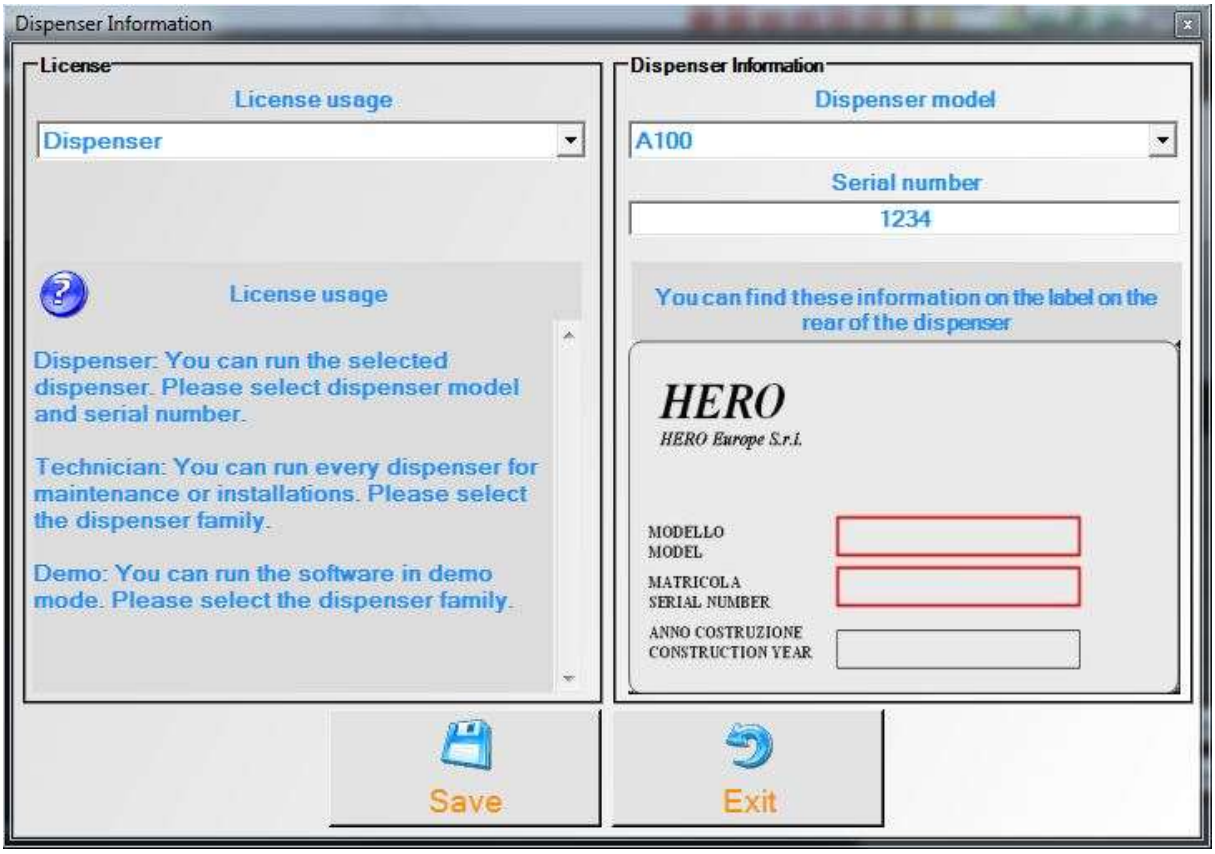
Go to the “more” section and select the Hero driver connection.



When these settings have been made close Innovatint and start it again. When the connection has been made the PCPDriver configuration will come up the first time.



Give in the dispenser model and serial number:



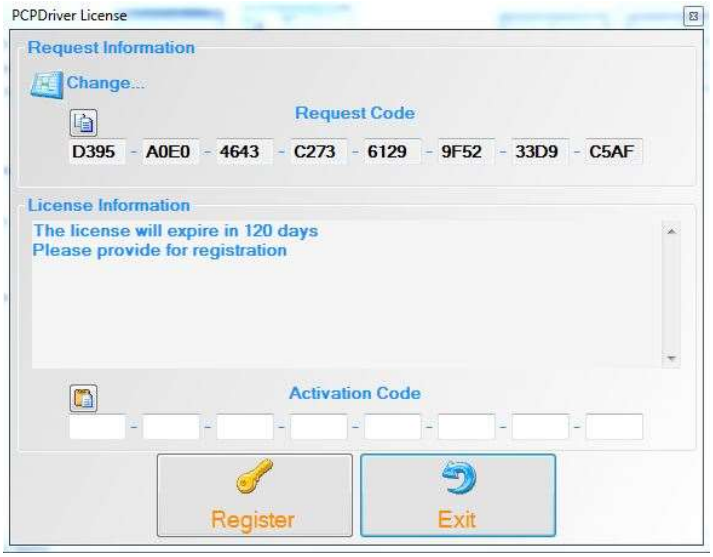
Now Save.

When everything is correct Innovatint will now be able to connect to the dispenser.

9.4 Activation

The PCPDriver will need a license code to work. It will run for 120 days without license but after this it will need activation.

Open the PCPDriver and click on “License” to open the activation screen.



The license code has to be requested at Chromaflo Technologies. For this send the following:

- Machine type
- Serial number of the machine
- Request code

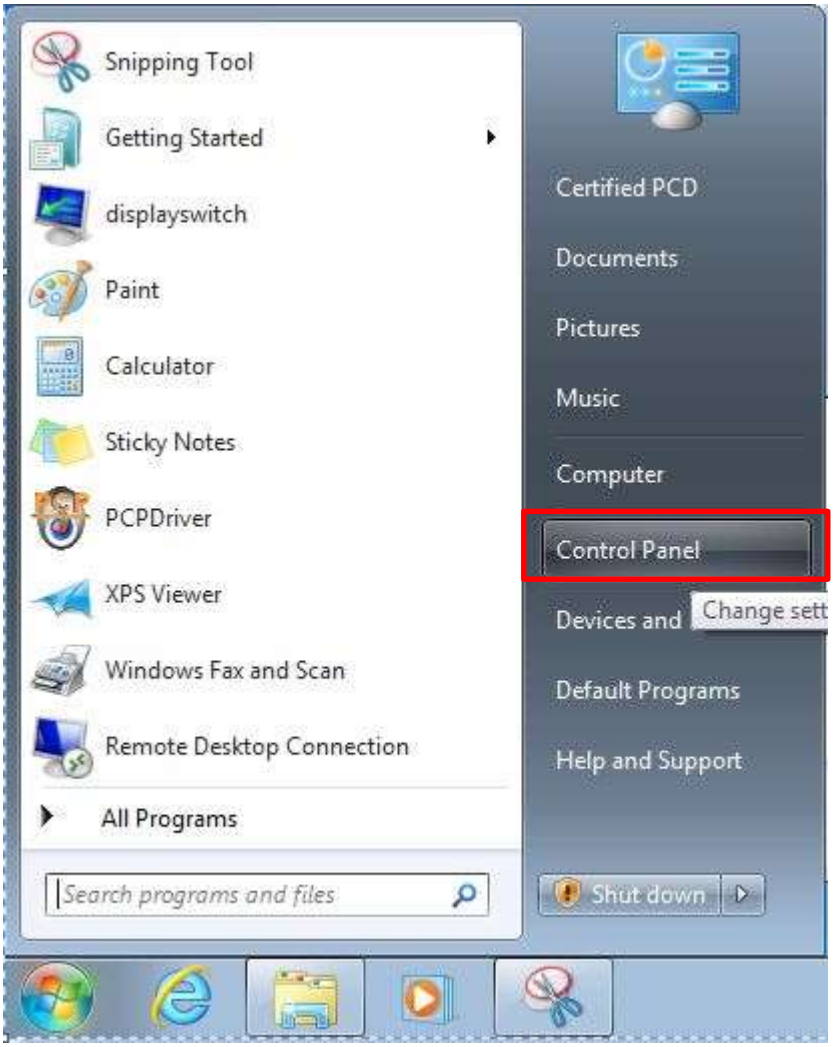
After this you will receive an activation code that can be used to register.

9.5 Trouble shooting

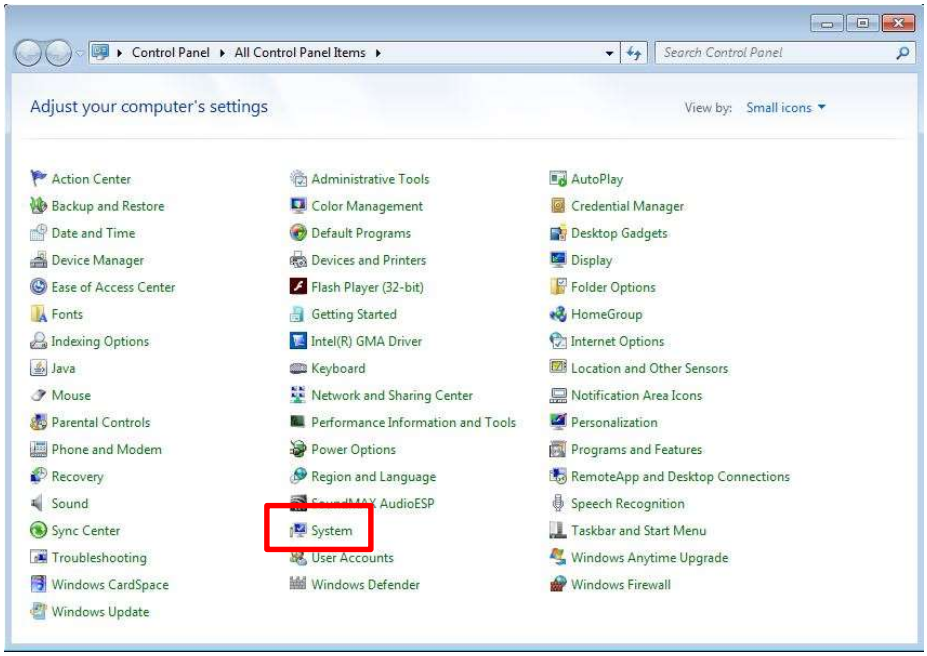
When a new computer is being used it can be that the tinting machine is not recognized when it is connected.

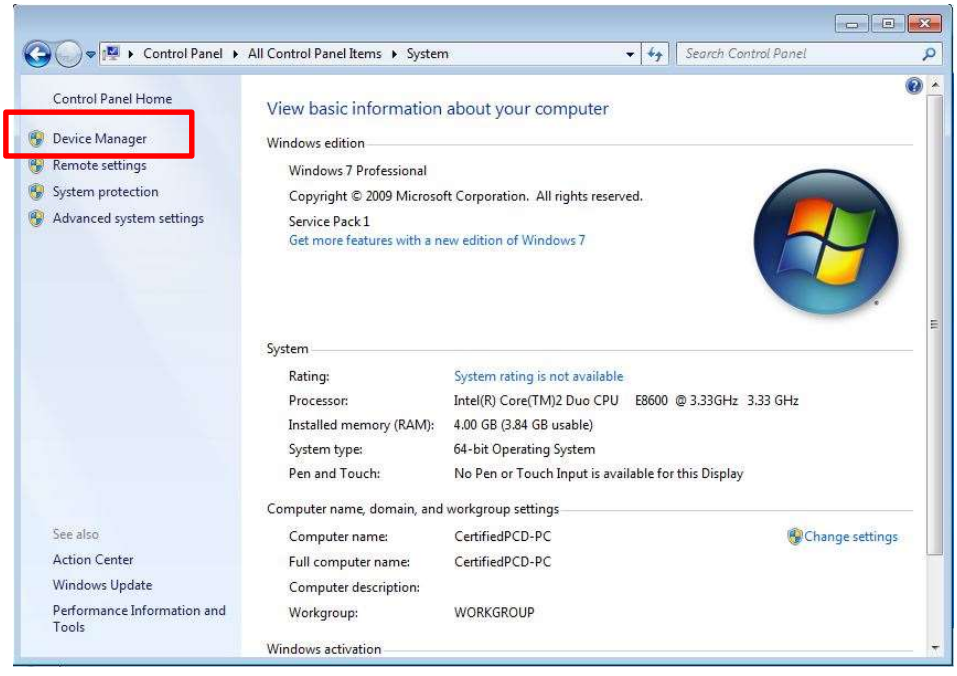
The computer will fail to install the dispenser. Just let it search for while until the error comes up.

Go to Device Manager and look at the unrecognized device.

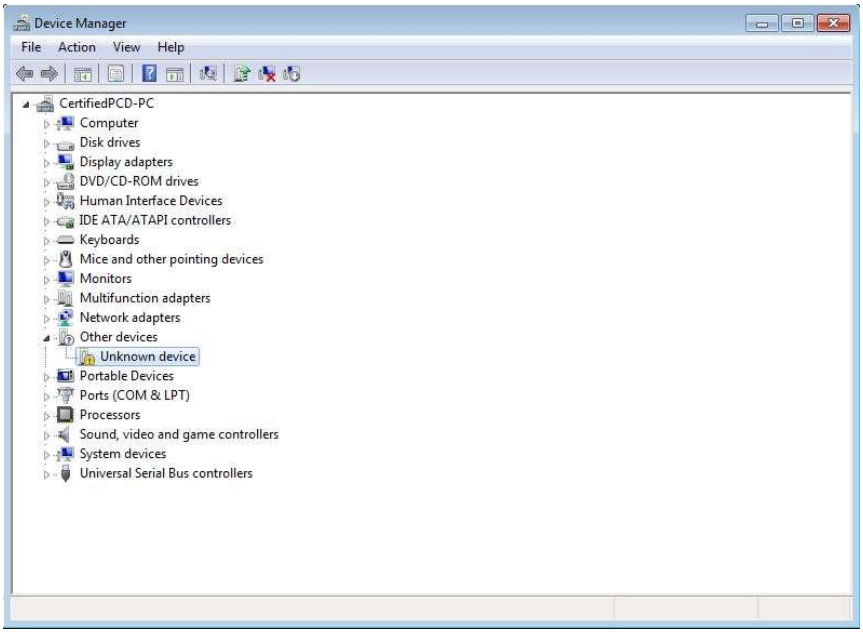


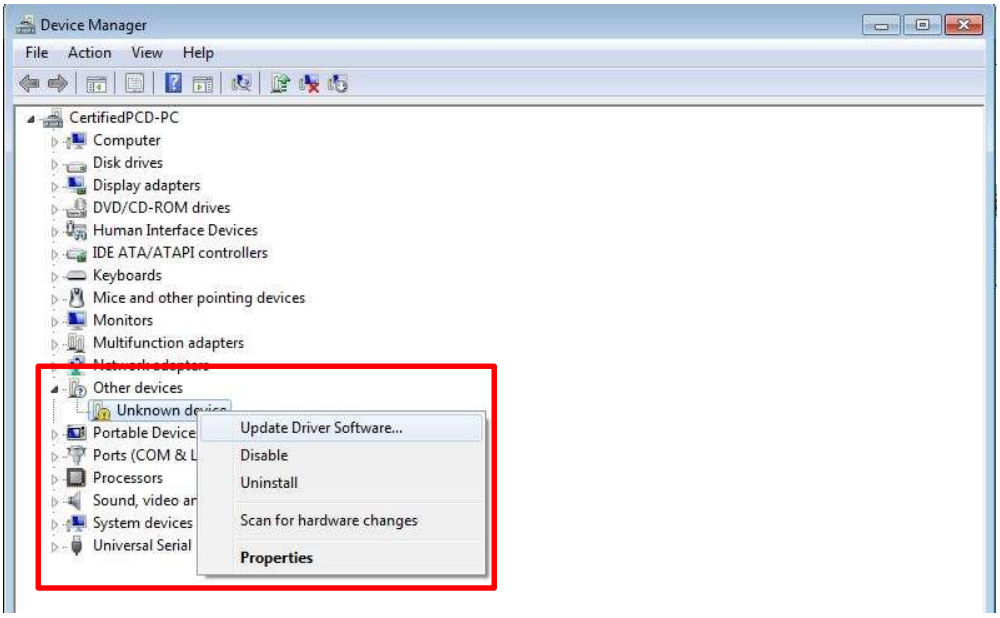
Select System -> Device manager.

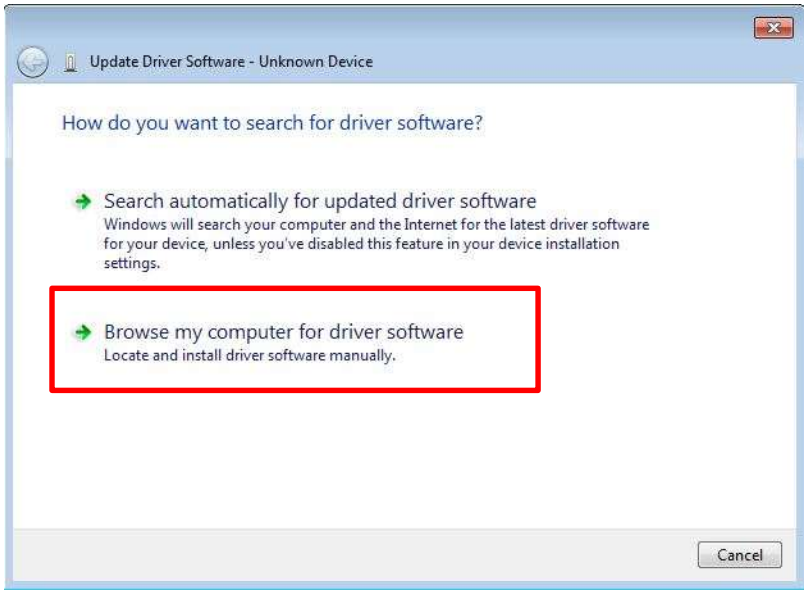

Control Panel ▸ All Control Panel Items ▸
Search Control Panel
Adjust your computer's settings
View by: Small icons
Action Center
Backup and Restore
Date and Time
Device Manager
Ease of Access Center
Fonts
Indexing Options
Java
Mouse
Parental Controls
Phone and Modem
Recovery
Sound
Sync Center
Troubleshooting
Windows CardSpace
Windows Update
Administrative Tools
Color Management
Default Programs
Devices and Printers
Flash Player (32-bit)
Getting Started
Intel(R) GMA Driver
Keyboard
Network and Sharing Center
Performance Information and Tools
Power Options
Region and Language
AudioESP
System
User Accounts
Windows Defender
AutoPlay
Credential Manager
Desktop Gadgets
Display
Folder Options
HomeGroup
Internet Options
Location and Other Sensors
Notification Area Icons
Personalization
Programs and Features
RemoteApp and Desktop Connections
Speech Recognition
Taskbar and Start Menu
Windows Anytime Upgrade
Windows Firewall


Control Panel ▸ All Control Panel Items ▸ System
Search Control Panel
Control Panel Home
Device Manager
Remote settings
System protection
Advanced system settings
View basic information about your computer
Windows edition
Windows 7 Professional
Copyright © 2009 Microsoft Corporation. All rights reserved.
Service Pack 1
Get more features with a new edition of Windows 7
System
Rating: System rating is not available
Processor: Intel(R) Core(TM)2 Duo CPU E8600 @ 3.33GHz 3.33 GHz
Installed memory (RAM): 4.00 GB (3.84 GB usable)
System type: 64-bit Operating System
Pen and Touch: No Pen or Touch Input is available for this Display
Computer name, domain, and workgroup settings
Computer name: CertifiedPCD-PC
Change settings
Full computer name: CertifiedPCD-PC
Computer description:
Workgroup: WORKGROUP
Windows activation
See also
Action Center
Windows Update
Performance Information and Tools

Right click on the failing device and select ”Update driver software”.

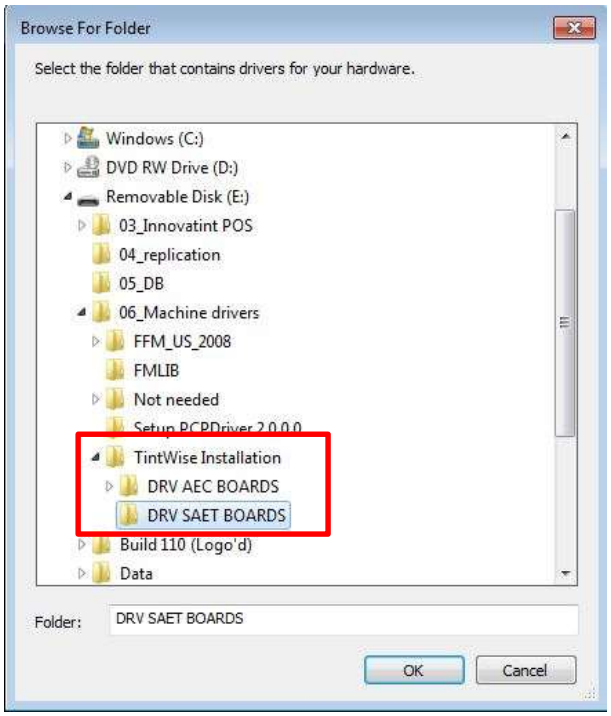


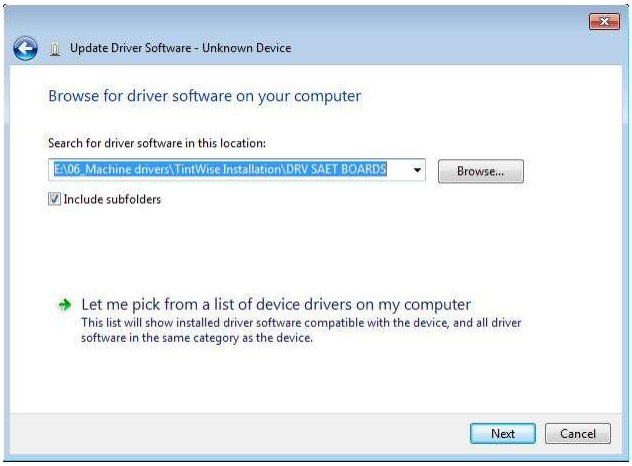




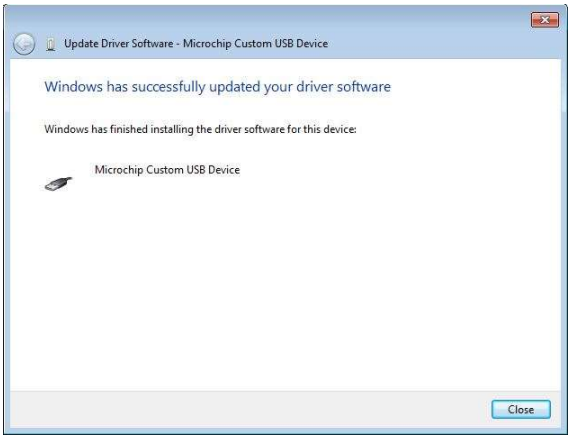
Select ”Browse my computer for driver software”.

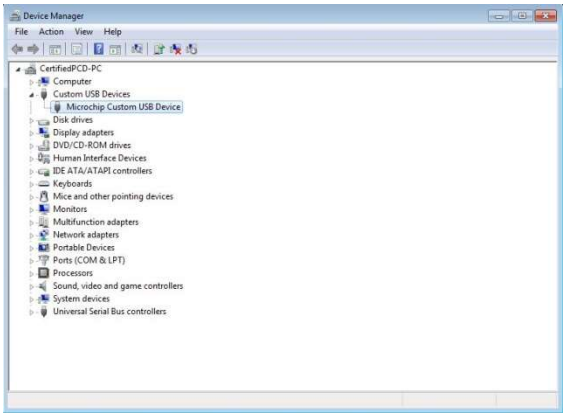
Now select from the USB drive the ”DRV SAET BOARDS”. And click on OK.





Click ”Next”.





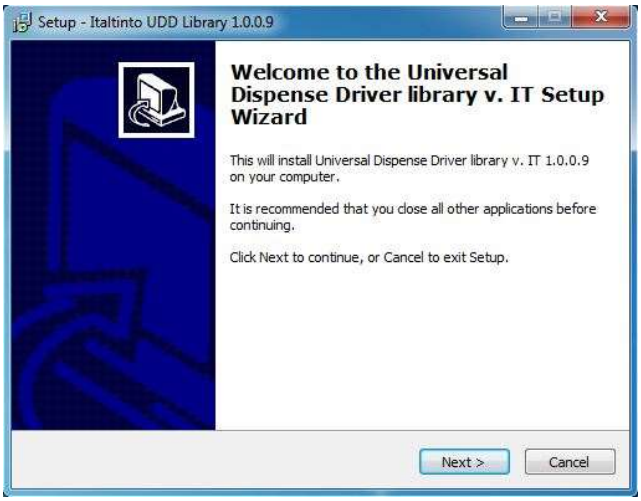
Now the machine has sucessfully been installed. Close the windows.

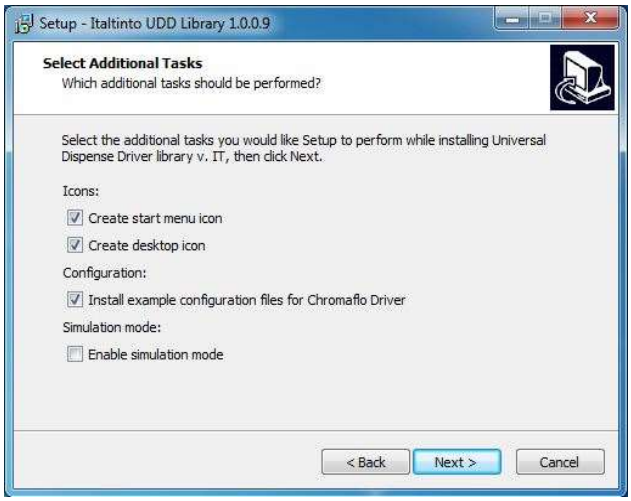
10. Installation of Italtinto dispensers

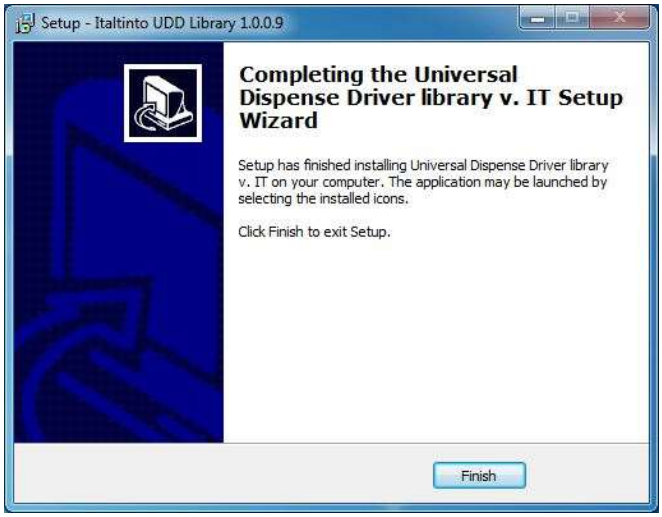
10.1 Italtinto UDD Library

The file is called “Italtinto_UDD_Library_x.x.x.x.” Install this executable and use the standard settings but add a desktop icon and include the example configuration files.

NOTE: Italtinto machines in GEN1 and GEN2 are supported. At this moment the latest generation, GEN3 is not supported yet!

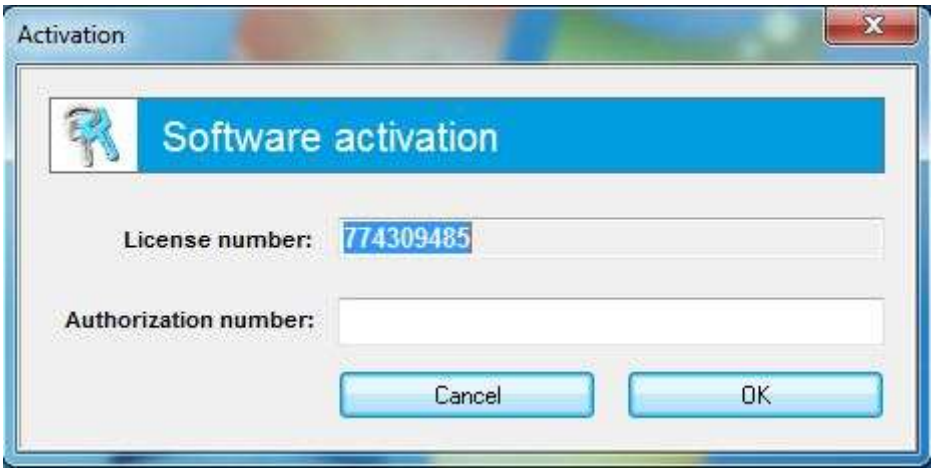




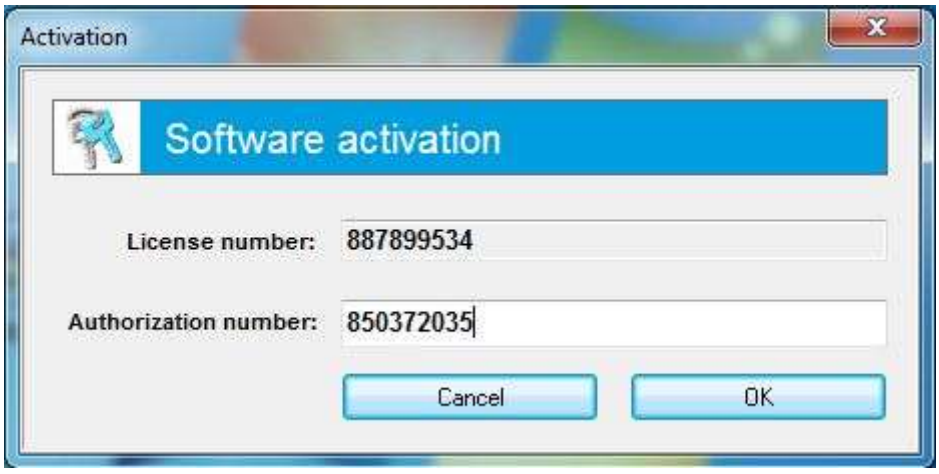


10.2 Italtinto configuration and activation

After the installation open the program called “UDD Italtinto Configuration Tool”. The first it is opened it will ask for activation.

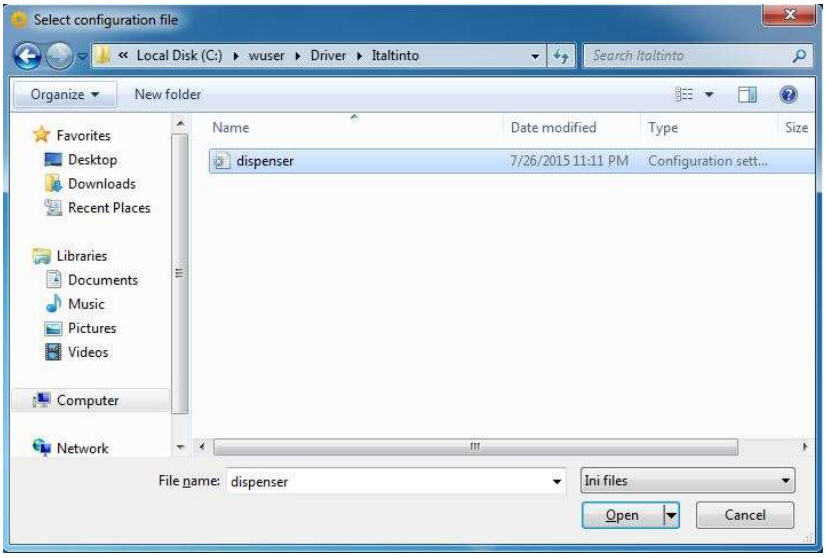


The license code must be ordered through Chromaflo Technologies. Our assistance is at this point mandatory for the driver activation, please contact innovatintsupport@chromaflo.com to schedule aid for installing.

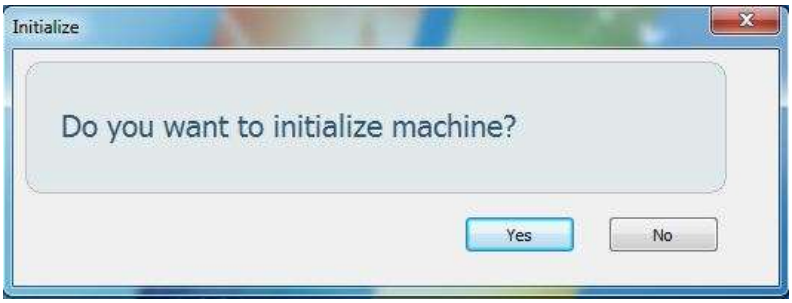


After the activation the program will open. There are several sections available. As we have used the example files during the installation this can be our starting point.

First it will ask for the dispenser configuration. These can be found in C:\wuser\driver\Italtinto.



Secondly it will ask to initialize. Do this when also calibration has to take place.



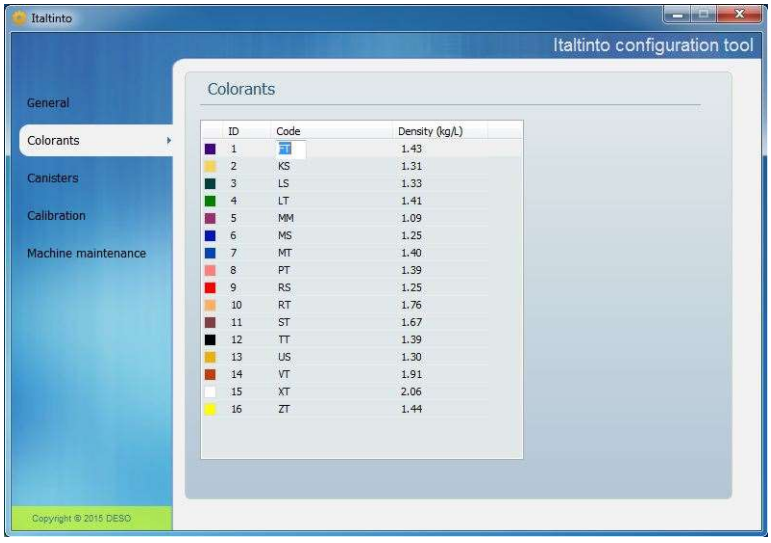
Now the program itself will open. As we use the example files data is already filled which can be changed now. When you need to install multiple machines, it is possible to copy these files after the configuration and put them on other machines.

In the “General” section you can give in the machine name, add or remove colorants and canisters. Also, the “Machine type” must be set. There are 2 types available:

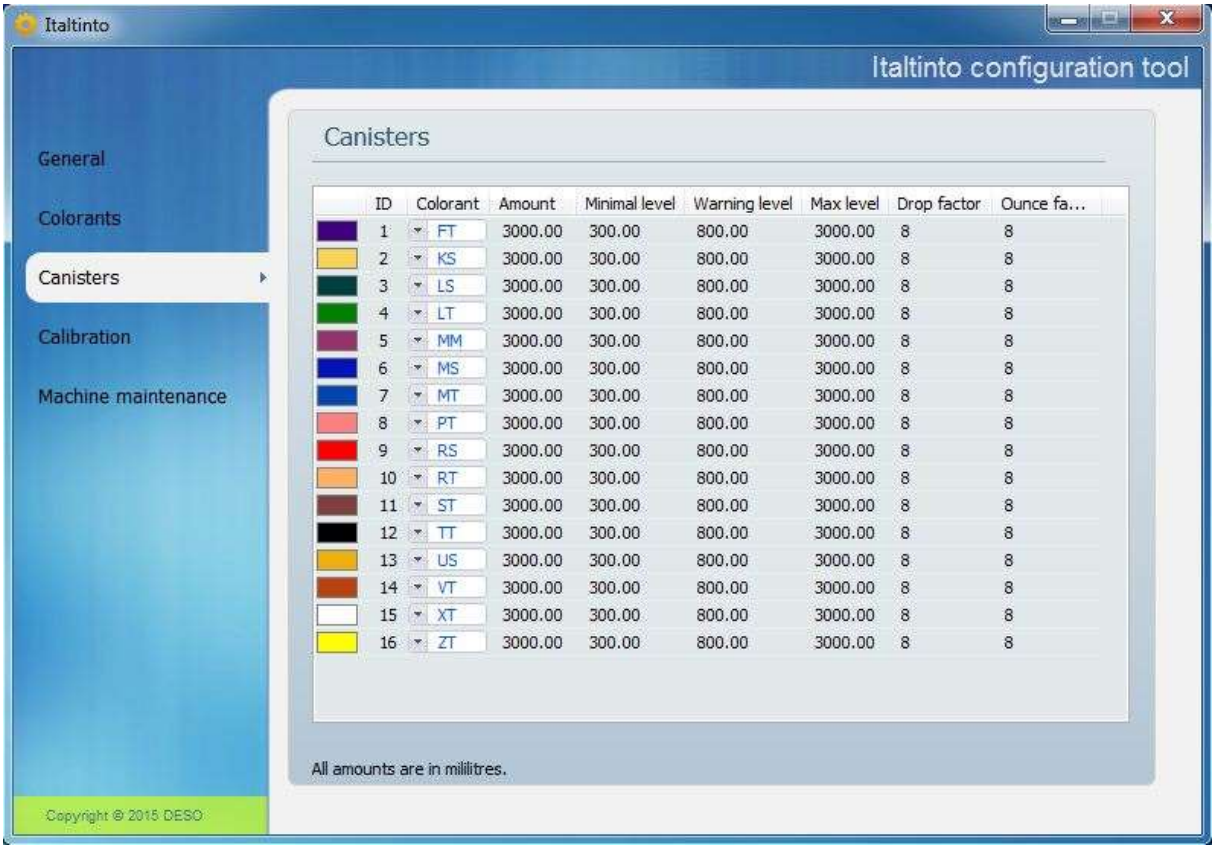
- SA Machine: use this for African machines
- EU machine: use this for European machines

When the wrong one has been selected the communication will not work. When you are not sure which one to use just try both.

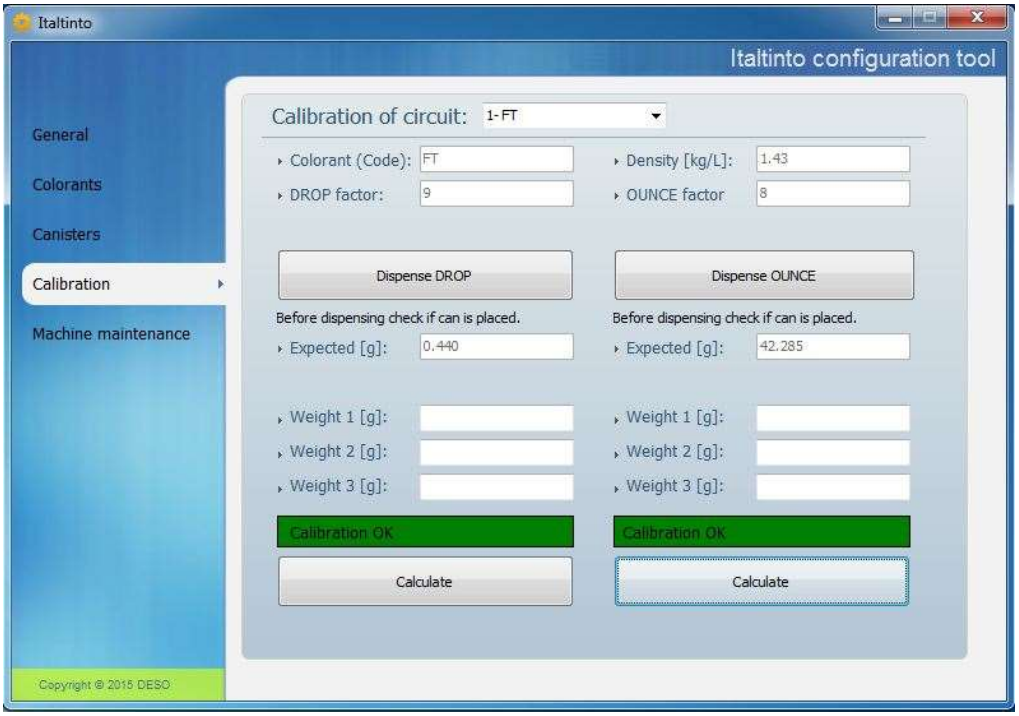
The second section is “Colorants” which can be used to put in the correct colorant codes and densities.

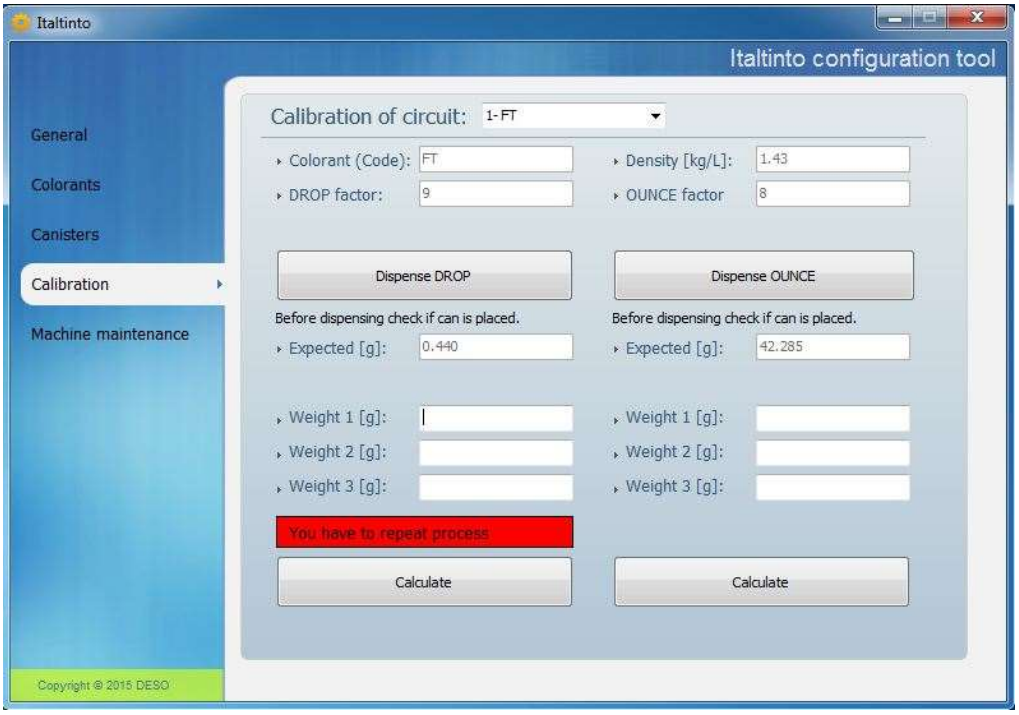


The next section is “Canisters” where colorants can be assigned.

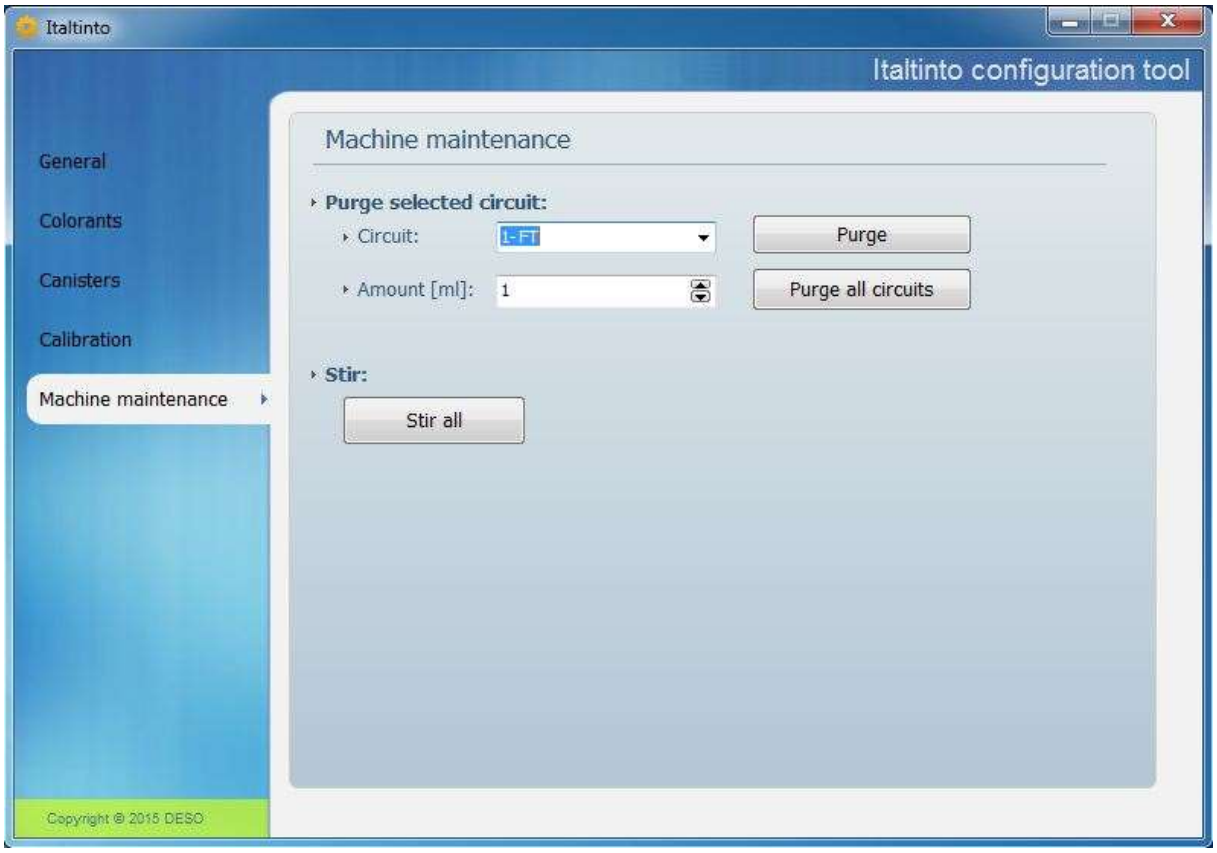


Then comes the calibration. This works in a way that you dispense 3 times a DROP and 3 times an OUNCE. Fill in the weights (you will need a scale for this) and finally click on “Calculate”. When everything is fine it will state “Calibration OK”. When one or more values are too far off it will give an error message and you must repeat the process.



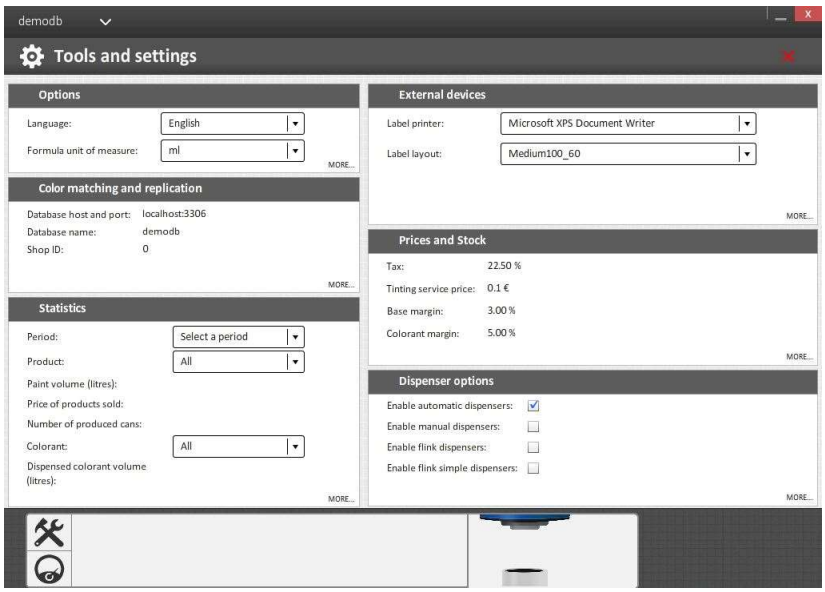


Finally, the “Machine maintenance” section can used for some basic commands to the tinting machine.

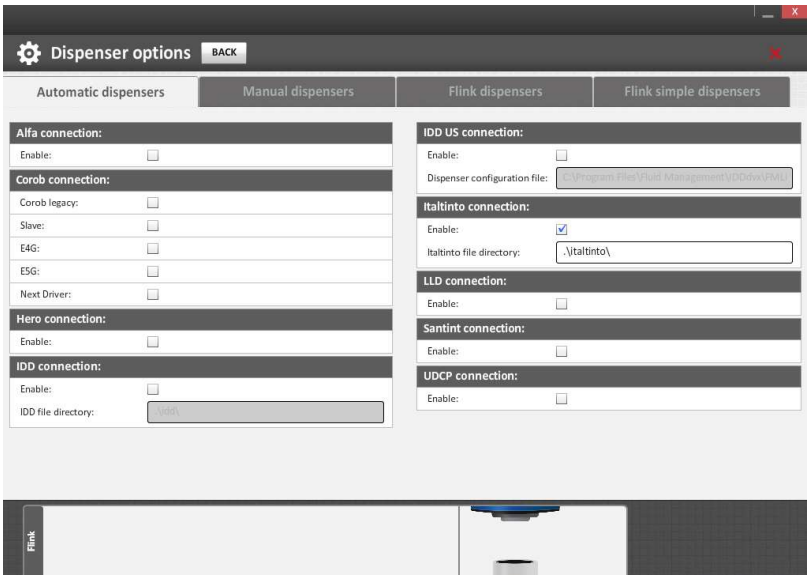


10.3 Innovatint configuration

Open Innovatint and go to Tools&Settings.



Go to the “more” section and select the correct driver type.



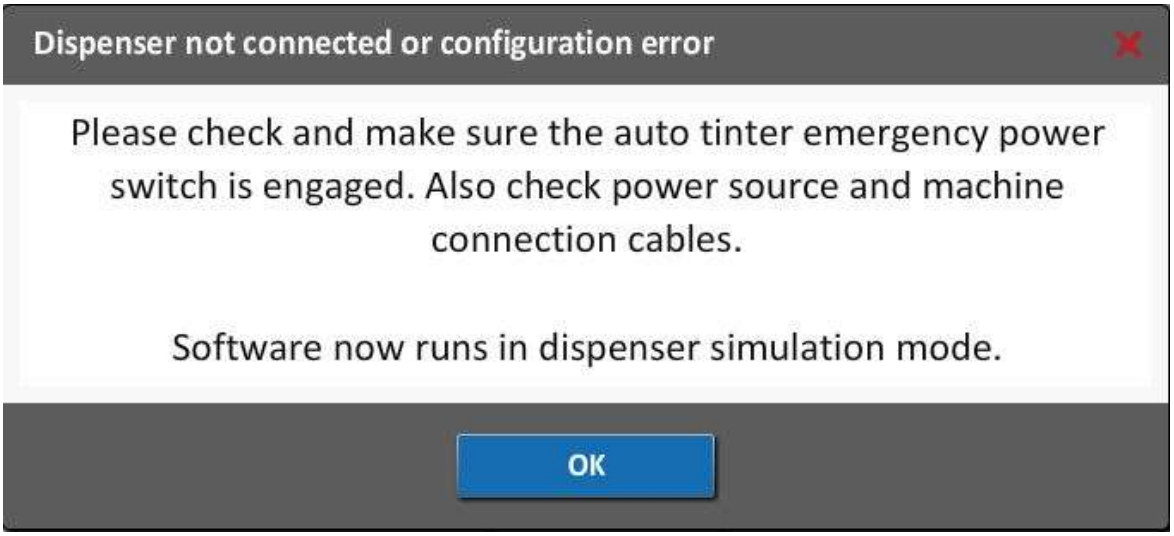
When these settings have been made close Innovatint and start it again. Now it should connect automatically. When it does not check the communication type used for the machine and change it. After that try again to start Innovatint.

11. Installation of manual dispensers

11.1 1 pump manual dispensers

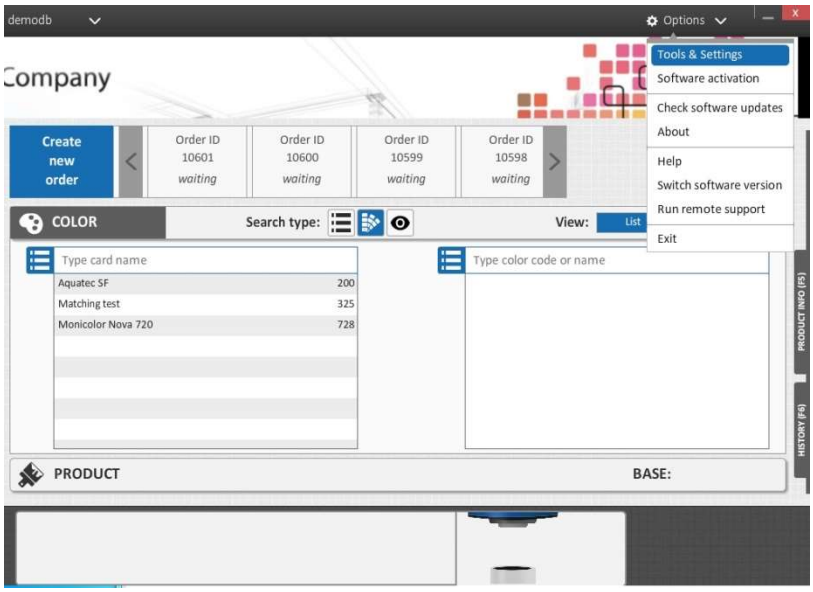
Innovatint offers the possibility to use the software in combination with manual machines. By setting up the pump type(s) it is possible for the operator to tint with Innovatint and see the formula on the screen.

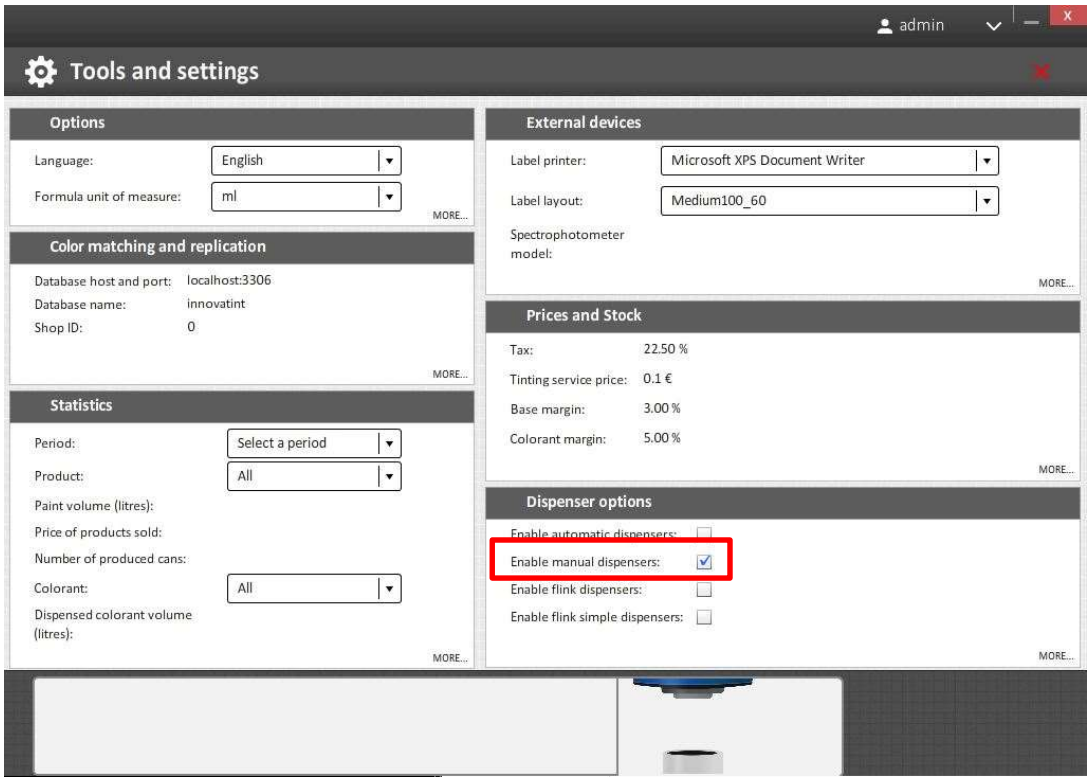
Open Innovatint and wait until the software gives a dispenser not connected error. This is normal as there is no dispenser configured.

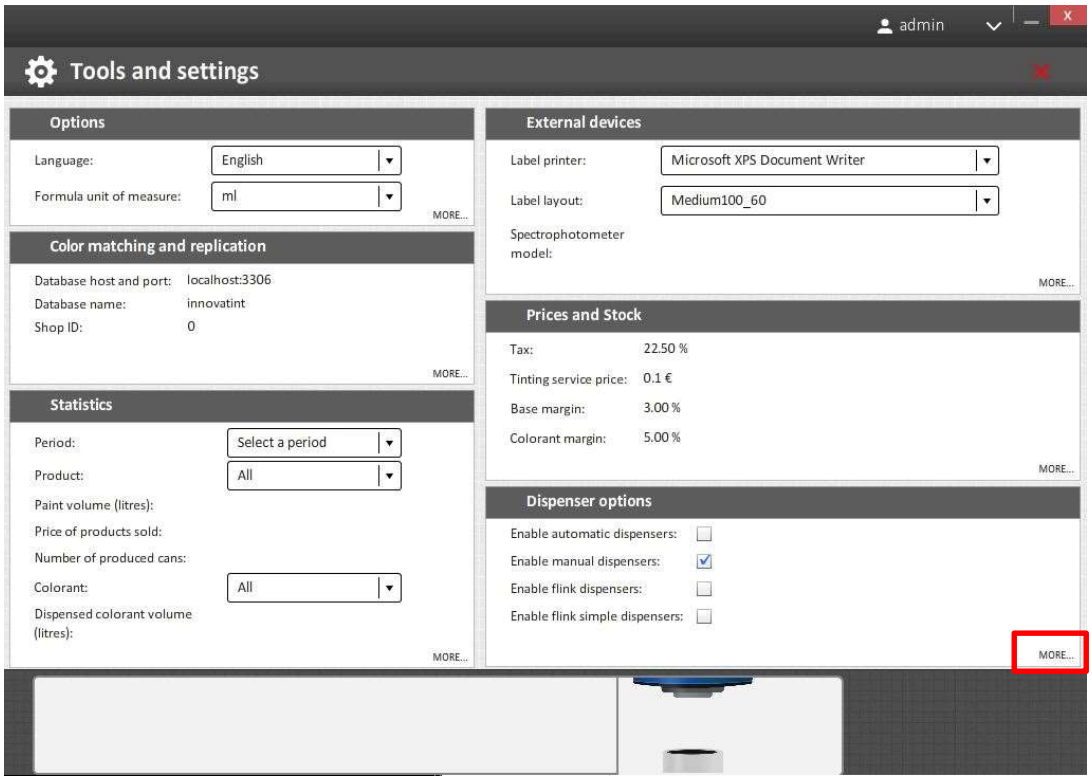


Click on “OK”.

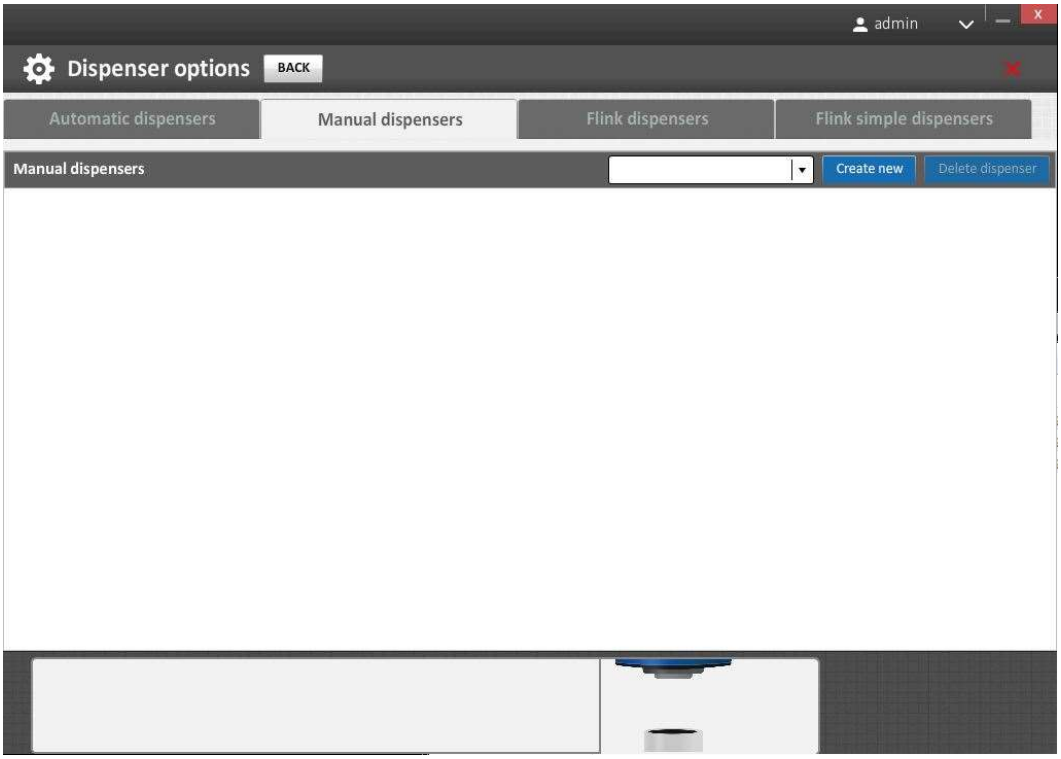
Now go to “Tools and Settings” -> “Dispenser options” -> select the option “Enable manual dispenser" -> click on “More”.



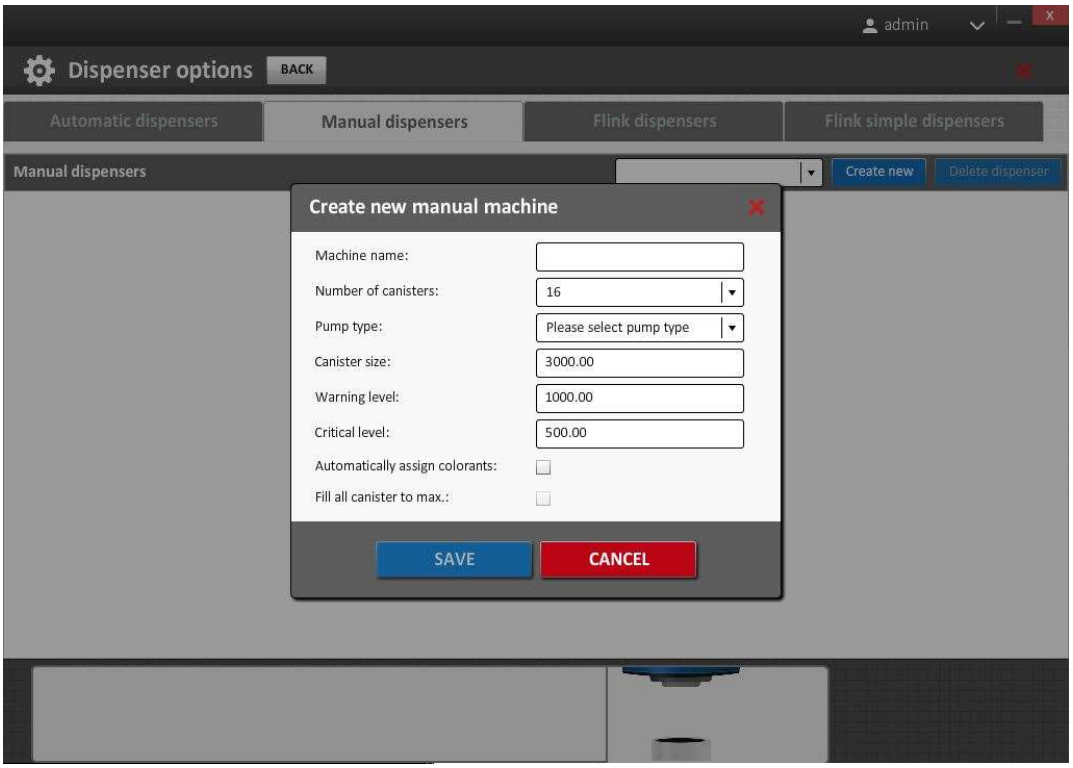

admin
Tools and settings
Options
Language: English
Formula unit of measure: ml
MORE...
Color matching and replication
Database host and port: localhost:3306
Database name: innovatint
Shop ID: 0
MORE...
Statistics
Period: Select a period
Product: All
Paint volume (litres):
Price of products sold:
Number of produced cans:
Colorant: All
Dispensed colorant volume (litres):
MORE...
External devices
Label printer: Microsoft XPS Document Writer
Label layout: Medium100_60
Spectrophotometer model:
MORE...
Prices and Stock
Tax: 22.50 %
Tinting service price: 0.1 €
Base margin: 3.00 %
Colorant margin: 5.00 %
MORE...
Dispenser options
Enable automatic dispensers:
Enable manual dispensers:
Enable flink dispensers:
Enable flink simple dispensers:
MORE...


admin
Tools and settings
Options
Language: English
Formula unit of measure: ml
MORE...
Color matching and replication
Database host and port: localhost:3306
Database name: innovatint
Shop ID: 0
MORE...
Statistics
Period: Select a period
Product: All
Paint volume (litres):
Price of products sold:
Number of produced cans:
Colorant: All
Dispensed colorant volume (litres):
MORE...
External devices
Label printer: Microsoft XPS Document Writer
Label layout: Medium100_60
Spectrophotometer model:
MORE...
Prices and Stock
Tax: 22.50 %
Tinting service price: 0.1 €
Base margin: 3.00 %
Colorant margin: 5.00 %
MORE...
Dispenser options
Enable automatic dispensers:
Enable manual dispensers:
Enable flink dispensers:
Enable flink simple dispensers:
MORE...

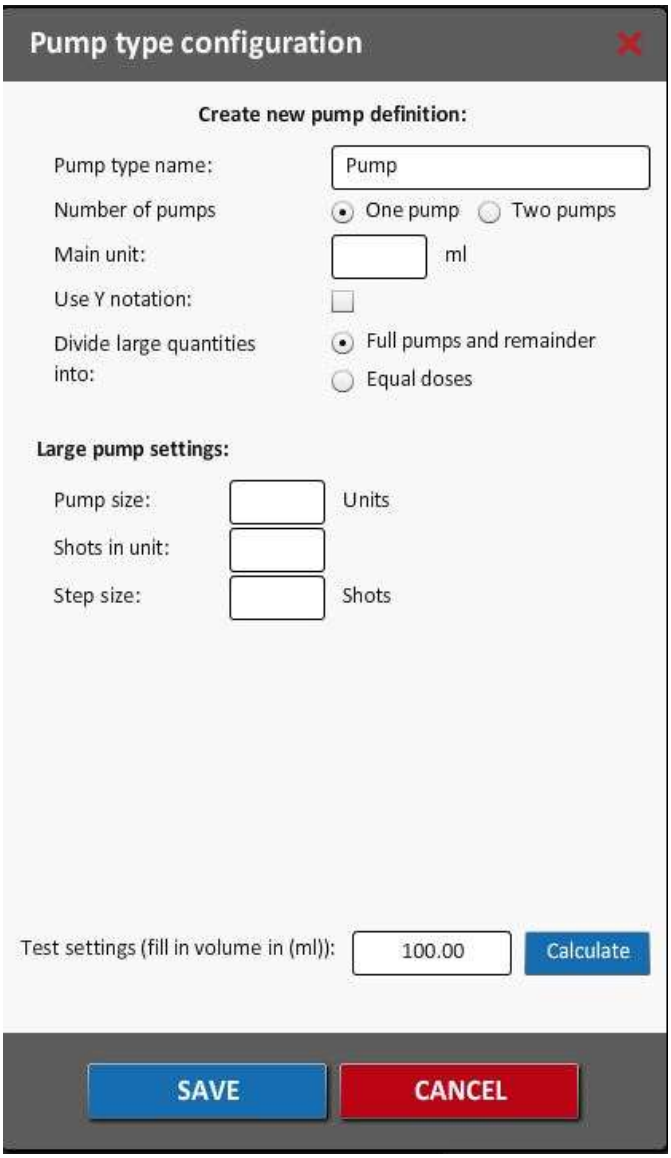
A new window will come up:



Select “Create new”. This will open the window to configure the manual dispenser.



Give the dispenser a name, this can be anything. Select the number of canisters the manual machine has. Now a pump type must be created. This is to configure what kind of pump(s) are available. Select “Please select pump type” and click on “Add new”. A new window will appear where the pump type can be configured.



There are several ways to configure the pumps. First it is needed to give the pump a name. This can be anything.

Second, we need to define how many pumps each canister has. In this case we select “One pump”.

To know how to configure the pump it is necessary to know what kind of scale is being used on the manual machine. Before giving some examples first an explanation of each possible option:

Main unit
The main unit is the fluid ounce expressed in ML. This can be multiple things:
Scale is in ML -> main unit is 1
Scale is in US fluid ounce -> main unit is 29,57
Scale is in C fluid ounce -> main unit is 31,24

Use Y notation:
This option is only selected when the pump is bigger than 1 fluid ounce. When the pump would be 2 fluid ounce and the shot size is 1/48 it can happen that the scale goes from 0 to 48 shots and then again start from 0 to 48. This would mean that the operator has to count by himself. So, when the amount to be dispensed is 58 shots he would have to take the first 48 shots and then calculate himself that for the second part of the scale he only needs 10 shots. When using the Y value, it would show as 1Y+10, meaning he needs to take the first part of the scale completely, which is 48 and then take another 10 from the second part the scale. The program will calculate this for him.

Divide large quantities into:
"Full pumps and remainder": Normally the amount to be dispensed will be displayed as the number of full strokes of the pump and as a final step it shows the remaining part. This means that the operator has to re-adjust the scale for the final last dispensing amount. This is a little bit more time consuming but the most accurate way of dispensing.

"Equal doses": When the dispensed amount would normally be divided over a full stroke and some remaining part it can also be possible to divide the amount in such a way that with 2 strokes of the pump the amount can also be dispensed without re-adjusting the scale. This works quicker as the operator does not have to adjust the scale. The only thing that can occur is that the program will round the amounts to make it fit better, meaning that the amount could not be so precise. However, this difference will be minimal.

Large pump settings:
When working with only 1 pump the configuration only has to be made for this pump. There are a couple of things that need to be defined.

"Pump size": Here to be defined how big the pump is. When the main unit is defined in fluid ounce the pump size is the number of times this fluid ounce will fit in.

"Shots in unit": This defines how many shots there are in 1 unit. When the main unit is fluid ounce the shots in unit define what the number of shots there can go into that fluid ounce. This is normally something like 48, 96, 384, etc..

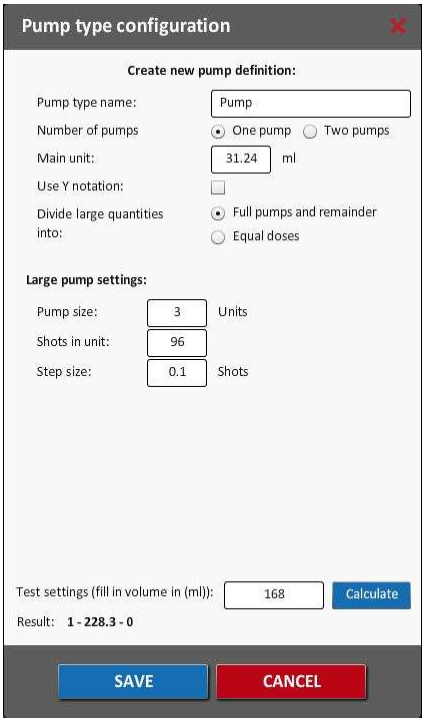
"Step size": When the shots are defined as main markers the steps are defining the number of steps there can be made going from one shot to another.

Examples:
Main unit = 31.24
Pump size = 93.72 ml
Shot size = 1/96
Steps = 0.1

Meaning that in the pump you can fit 3 times the main unit.

The shots are 31.24 / 96 = 0.325 ml
Steps are 0.1 so between shots there are 0.1 steps which is 0.325 x 0.1 = 0.0325 ml

When calculating 168 ml it will show as this:

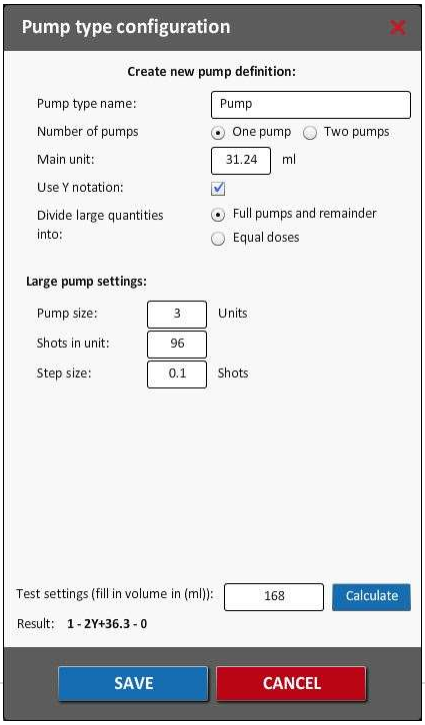


Result:
1 =
1 x full stroke (31.24 x 3)

228.3 =
228 x (31.24 / 96) +
3 x (31.24 / (96 / 0.1))

0 =
n/a, as this is only for a second pump

When the Y notation would be used it would look like this. In this case the pump is bigger than the used main unit which could result in amounts bigger than one unit. The scale could be in this 0 to 96 – 0 to 96 – 0 to 96.

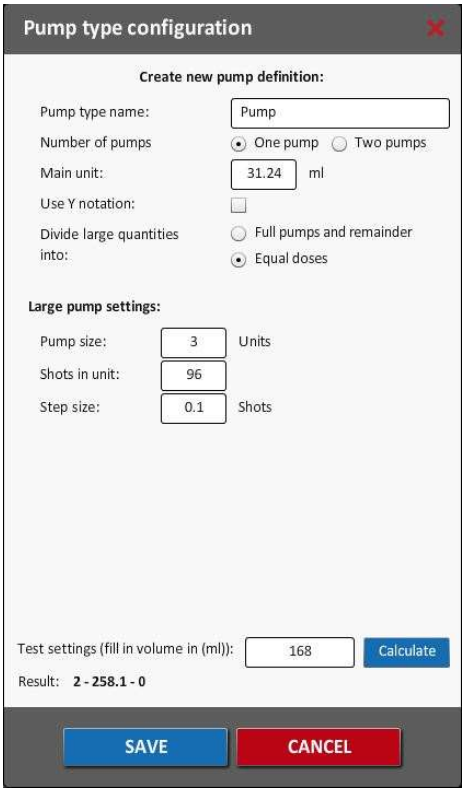


Result:
1 =
1 x full stroke (31.24 x 3)

2Y+36.3 =
2Y -> 2 x 31.24
36 x (31.24 / 96) +
3 x (31.24 / (96 / 0.1))

0 =
n/a, as this is only for a second pump

When using the “Equal doses” option it will look like this:

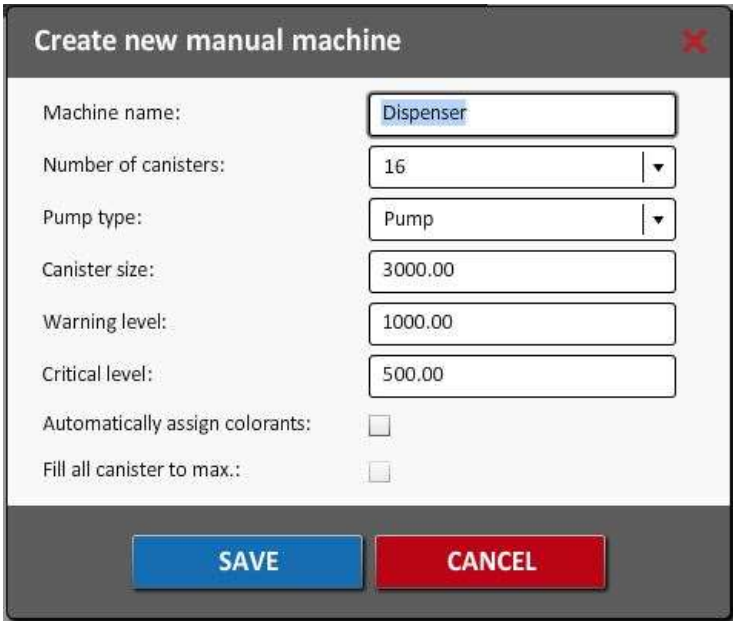


Result:
2 =
The multiplier for the next amount

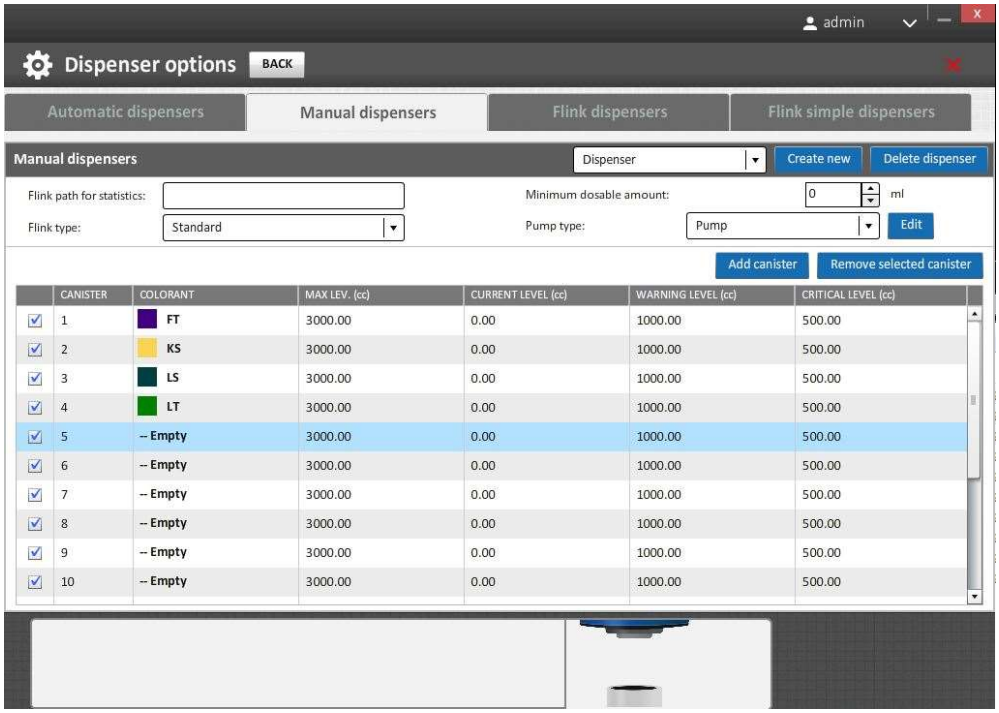
258.1 =
(258 x (31.24 / 96)) x 2
(1 x (31.24 / (96 / 0.1))) x 2

0 =
n/a, as this is only for a second pump

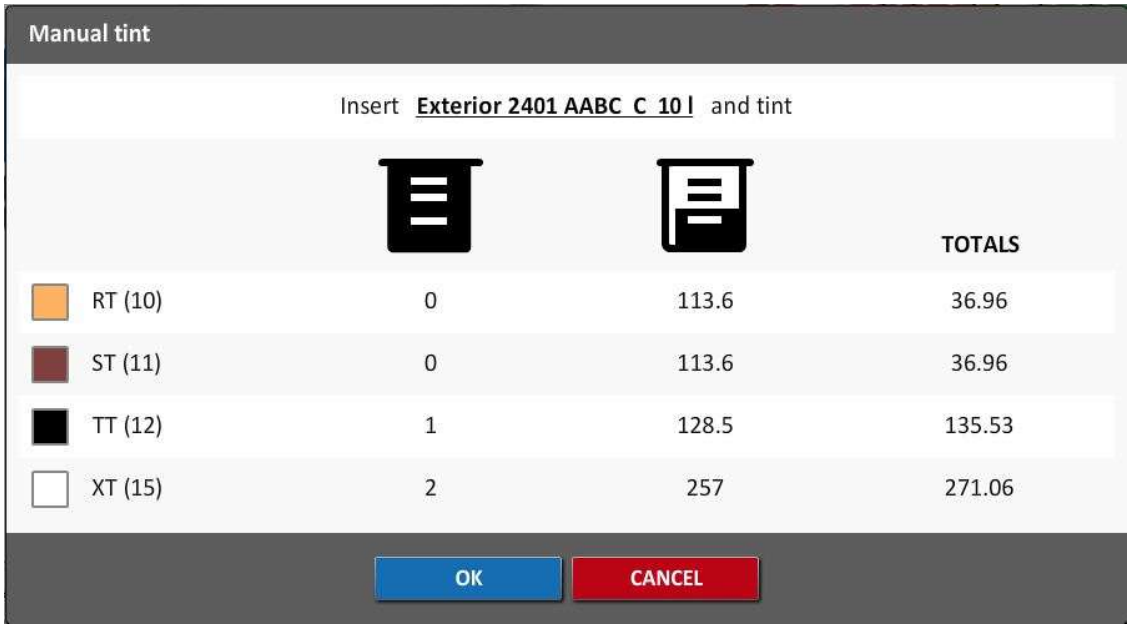
When the settings are correct click on “Save”. Now finish the rest of the settings for the dispenser and click on “Save”.



Now assign for each canister the colorant. When finished click “Save”.

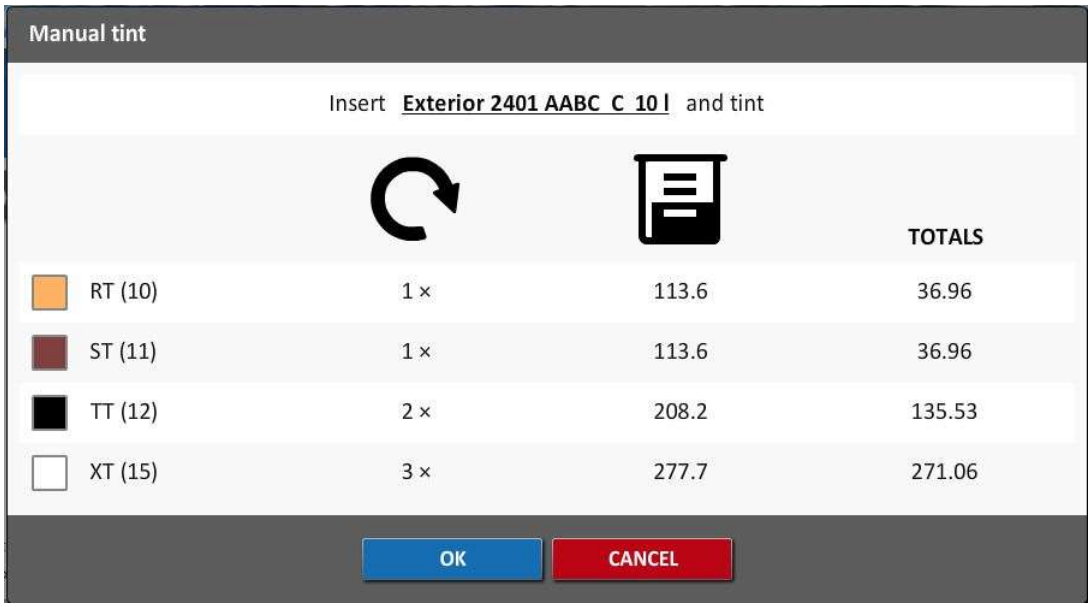


Now the manual machine is configured and can be used. Every time the “Save and dispense” button is clicked a window will come up stating the amounts that should be tinted through the manual machine.



So, in case of colorant “RT” which is at position 10 in the manual machine it needs 113 x (31.24 / 96) + .6 (31.24 / (96 / 0.1)) = 36.96 ml.

When using the equal amount doses, it would look like this:

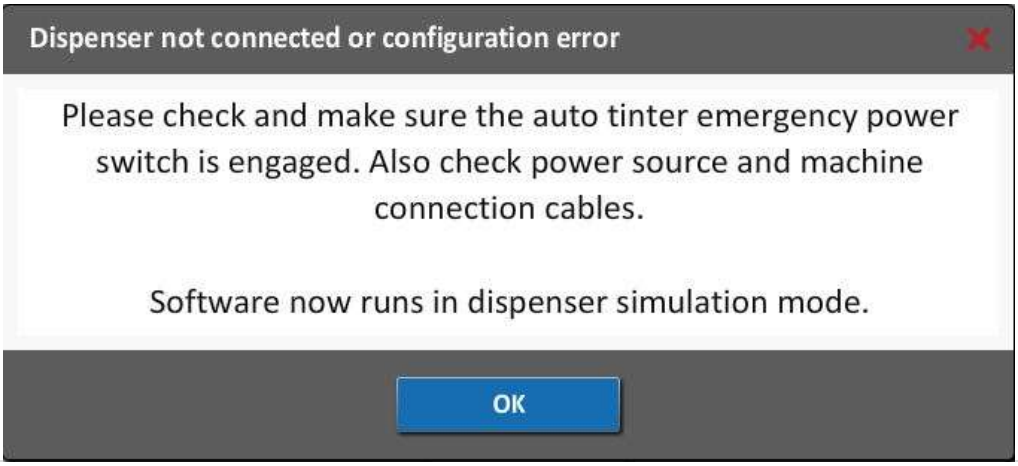


The colorant “TT” is now showing a different way of setting up the pump to have a more equal way of dosing. It is not anymore giving 1 full stroke + the remaining, but 2x a partial stroke to cover the complete amount without adjusting the scale.

11.2 2 pump manual dispensers

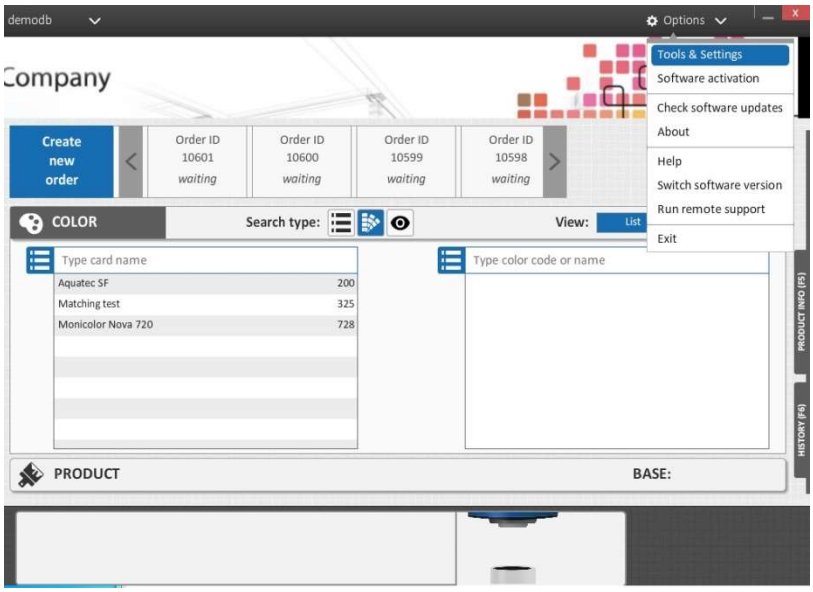
Innovatint offers the possibility to use the software in combination with manual machines. By setting up the pump type(s) it is possible for the operator to tint with Innovatint and see the formula on the screen.

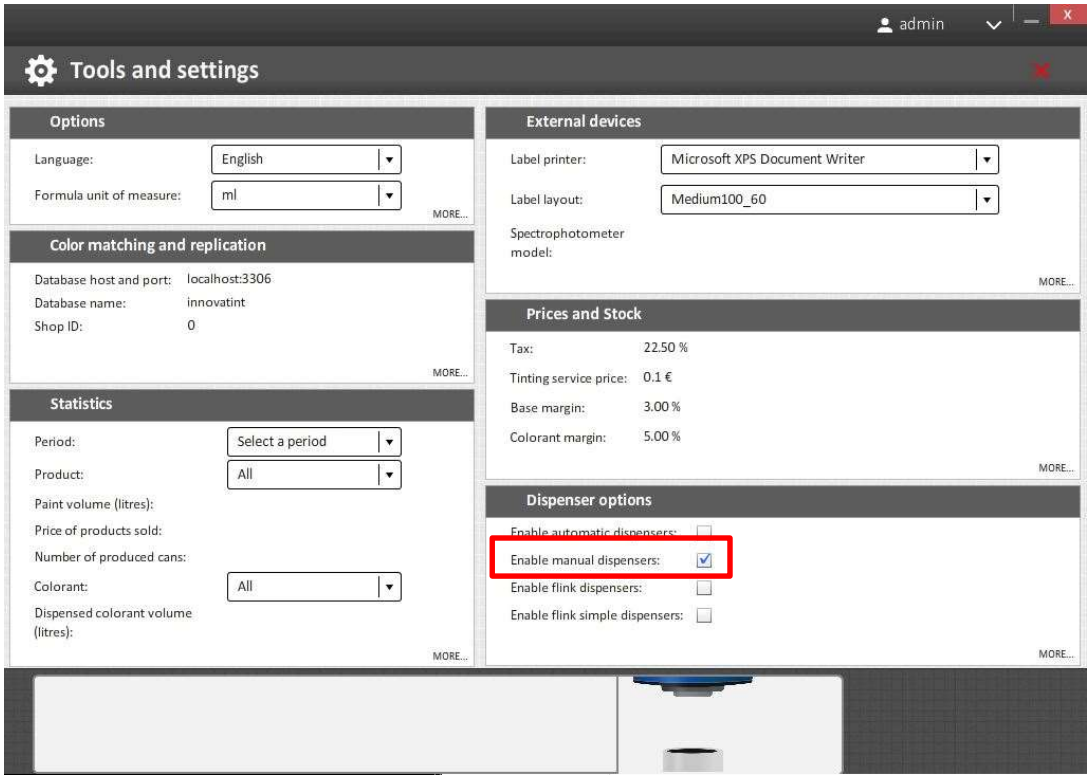
Open Innovatint and wait until the software gives a dispenser not connected error. This is normal as there is no dispenser configured.

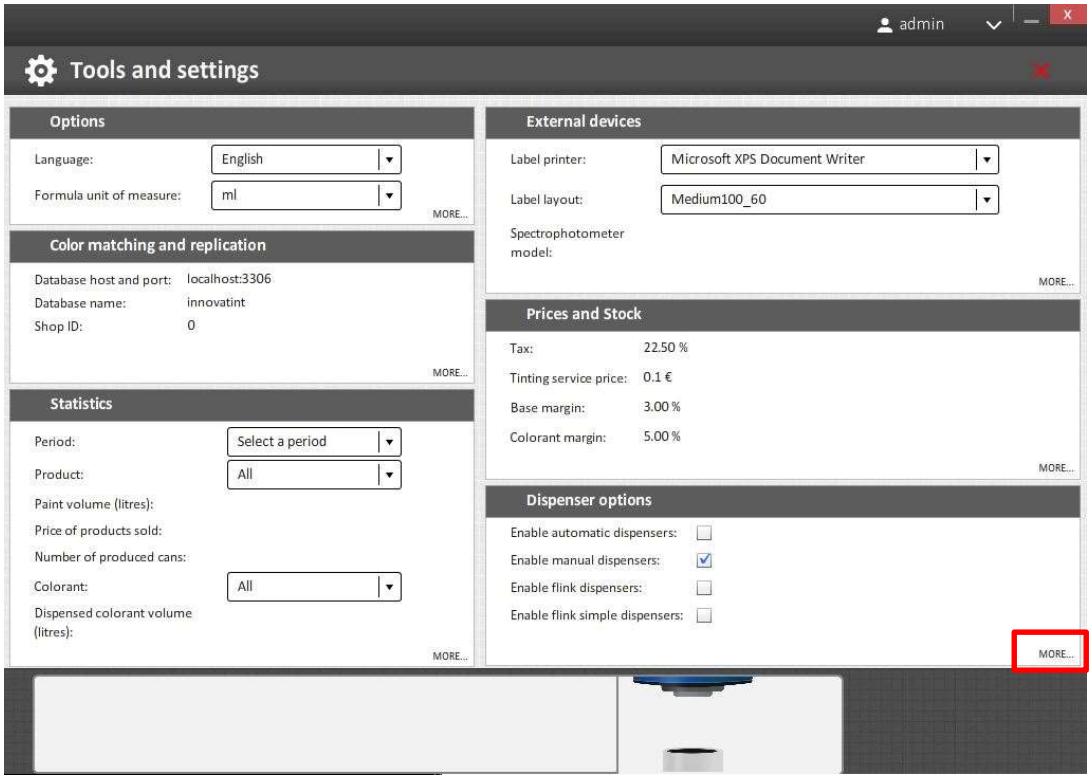


Click on “OK”.

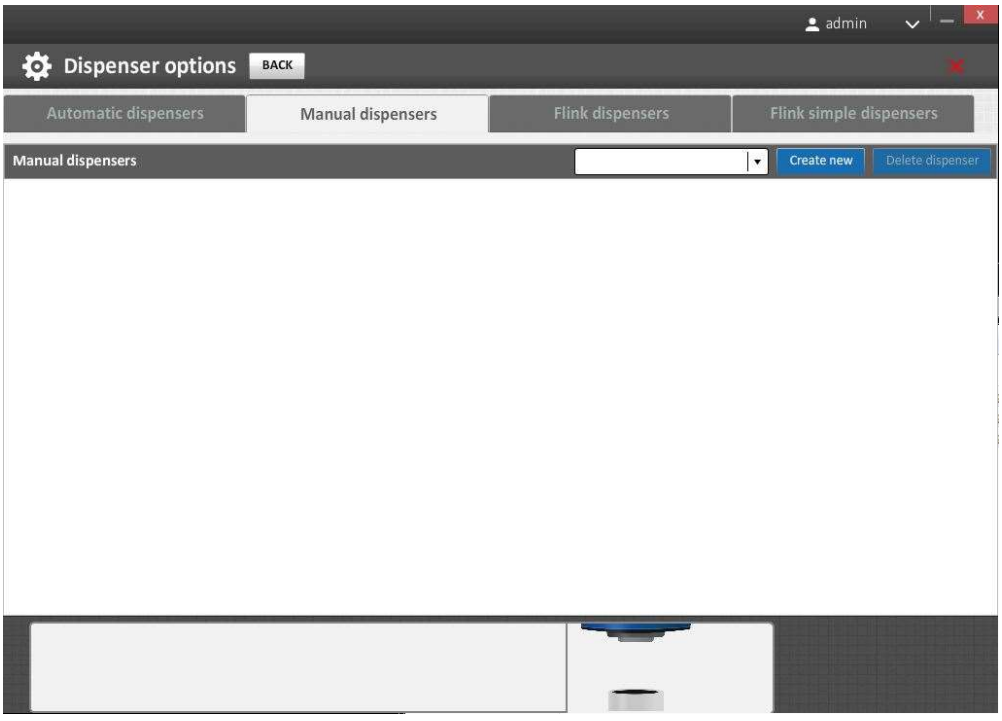
Now go to “Tools and Settings” -> “Dispenser options” -> select the option “Enable manual dispenser" -> click on “More”.



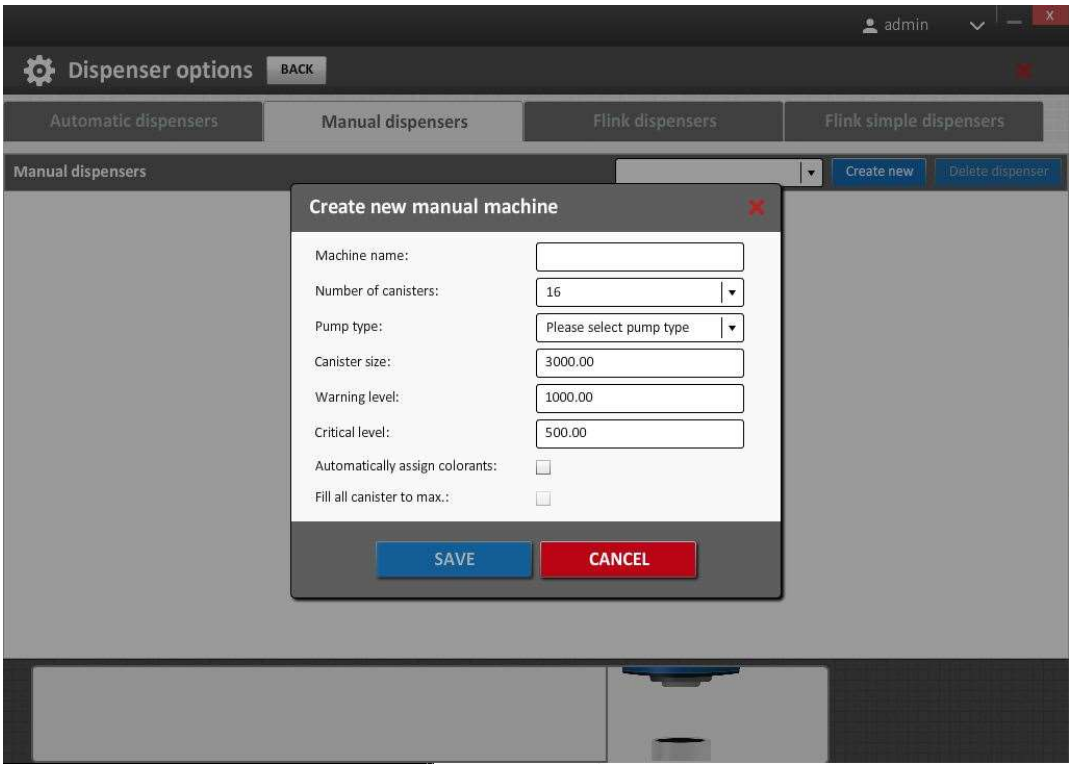




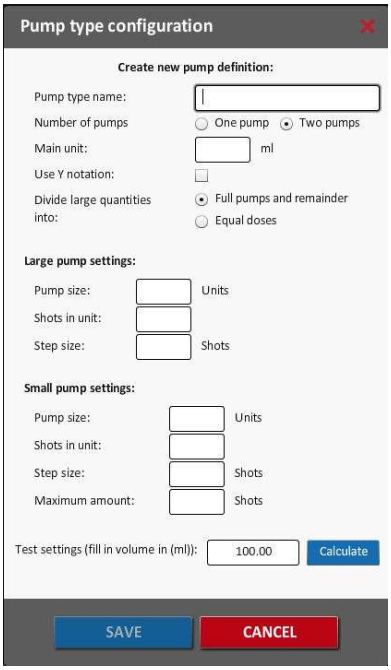
A new window will come up:



Select “Create new”. This will open the window to configure the manual dispenser.



Give the dispenser a name, this can be anything. Select the number of canisters the manual machine has. Now a pump type must be created. This is to configure what kind of pump(s) are available. Select “Please select pump type” and click on “Add new”. A new window will appear where the pump type can be configured.



There are several ways to configure the pumps. First it is needed to give the pump a name. This can be anything.

Second, we need to define how many pumps each canister has. In this case we select “Two pumps”.

To know how to configure the pump it is necessary to know what kind of scale is being used on the manual machine. Before giving some examples first an explanation of each possible option:

Main unit
The main unit is the fluid ounce expressed in ML. This can be multiple things:
Scale is in ML -> main unit is 1
Scale is in US fluid ounce -> main unit is 29,57
Scale is in C fluid ounce -> main unit is 31,24

Use Y notation:
This option is only selected when the pump is bigger than 1 fluid ounce. When the pump would be 2 fluid ounce and the shot size is 1/48 it can happen that the scale goes from 0 to 48 shots and then again start from 0 to 48. This would mean that the operator must count by himself. So, when the amount to be dispensed is 58 shots he would have to take the first 48 shots and then calculate himself that for the second part of the scale he only needs 10 shots. When using the Y value, it would show as 1Y+10, meaning he needs to take the first part of the scale completely, which is 48 and then take another 10 from the second part the scale. The program will calculate this for him.

Divide large quantities into:
“Full pumps and remainder”: Normally the amount to be dispensed will be displayed as the number of full strokes of the pump and as a final step it shows the remaining part. This means that the operator must re-adjust the scale for the final last dispensing amount. This is a little bit more time consuming but the most accurate way of dispensing.

”Equal doses”: When the dispensed amount would normally be divided over a full stroke and some remaining part it can also be possible to divide the amount in such a way that with 2 strokes of the pumps the amount can also be dispensed without re-adjusting the scale. This works quicker as the operator does not have to adjust the scale. The only thing that can occur is that the program will round the amounts to make it fit better, meaning that the amount could not be so precise. However, this difference will be minimal.

Large pump settings:
When working with only 1 pump the configuration only has to be made for this pump. There are a couple of things that need to be defined.

“Pump size”: Here to be defined how big the pump is. When the main unit is defined in fluid ounce the pump size is the number of times this fluid ounce will fit in.

“Shots in unit”: This defines how many shots there are in 1 unit. When the main unit is fluid ounce the shots in unit define what the number of shots there can go into that fluid ounce. This is normally something like 48, 96, 384, etc..

“Step size”: When the shots are defined as main markers the steps are defining the number of steps there can be made going from one shot to another.

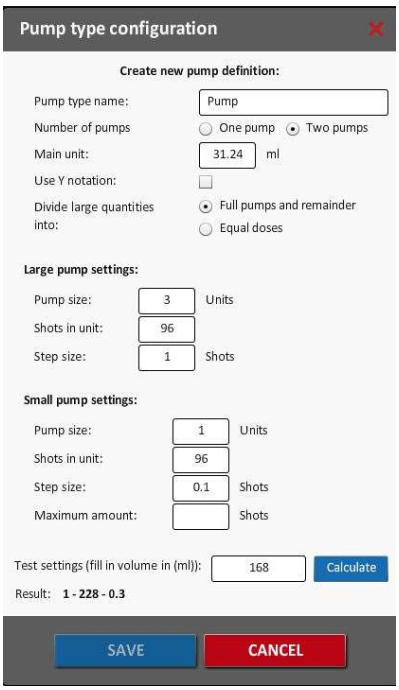
Small pump settings:
This works the same as the large pump settings. There is only 1 option more which is “Maximum amount”. This can be configured when the small pump has an overlap in capacity with the large pump. When the small pump gets a limit on the maximum amount you can achieve a better deviation between the large and small pump.

Examples:
Main unit = 31.24
Large pump size = 93.72 ml
Shot size = 1/96
Steps = 1
Small pump size = 31.21 ml
Shot size = 1/96

Steps = 0.1

Meaning that in the large pump you can fit 3 times the main unit.
The shots are 31.24 / 96 = 0.325 ml
Steps is 1 so between each step is 0.325 ml
For the small pump the maximum is 31.24 ml.
The shots are 31.24 / 96 = 0.325 ml
Steps are 0.1 so between shots there are 0.1 steps which is 0.325 x 0.1 = 0.0325 ml

When calculating 168 ml it will show as this:

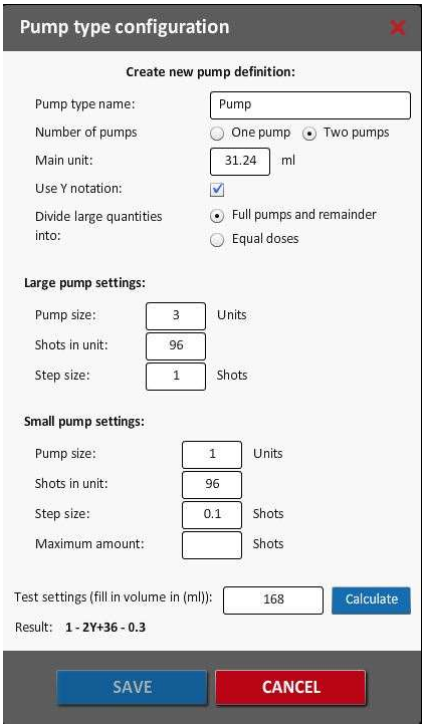


Result:
Large pump:
1 =
1 x full stroke (31.24 x 3)

228 =
228 x (31.24 / 96)

Small pump:
.3 =
3 x (31.24 / (96 / 0.1))

When the Y notation would be used it would look like this. In this case the pump is bigger than the used main unit which could result in amounts bigger than one unit. The scale could be in this 0 to 96 – 0 to 96 – 0 to 96.

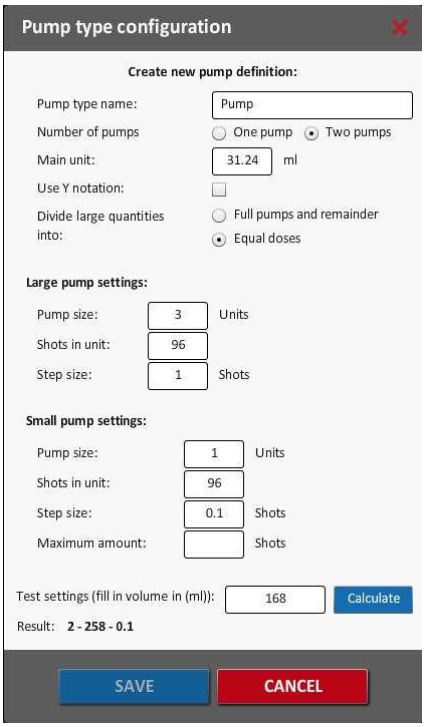


Result:
Large pump:
1 =
1 x full stroke (31.24 x 3)

2Y+36 =
2Y -> 2 x 31.24
36 x (31.24 / 96) +

Small pump:
.3 =
3 x (31.24 / (96 / 0.1))

When using the “Equal doses” option it will look like this:

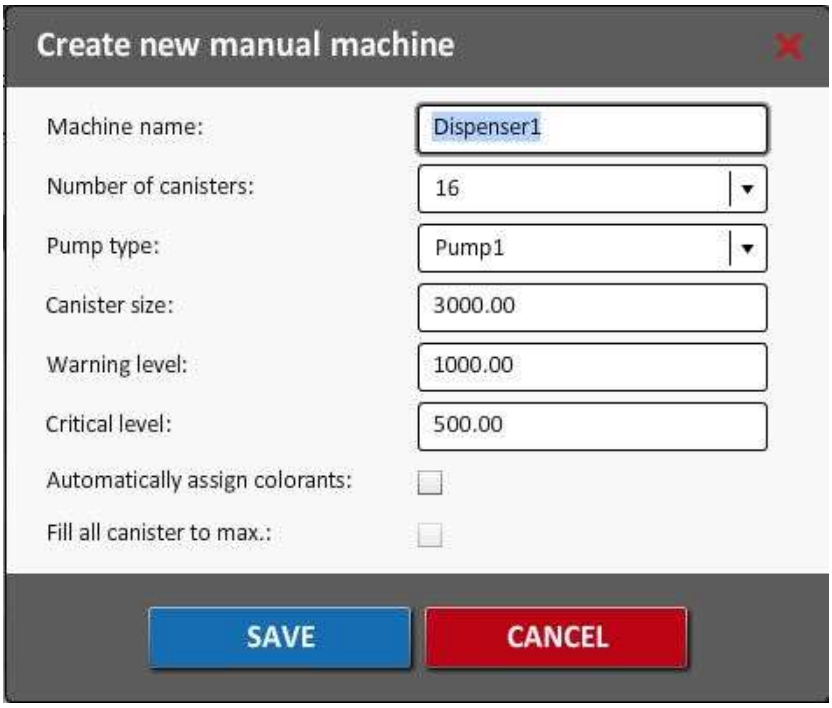


Result:
Large pump:
2 =
The multiplier for the next amount

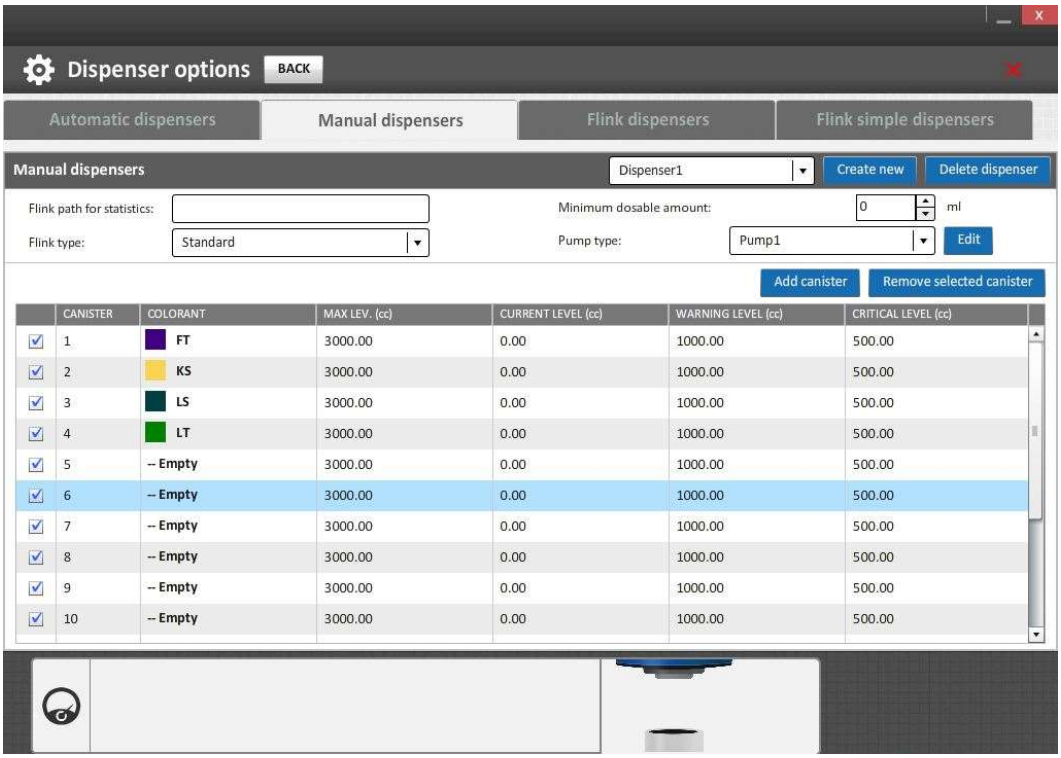
258 =
(258 x (31.24 / 96)) x 2

Small pump:
.1 =
(1 x (31.24 / (96 / 0.1))) x 2

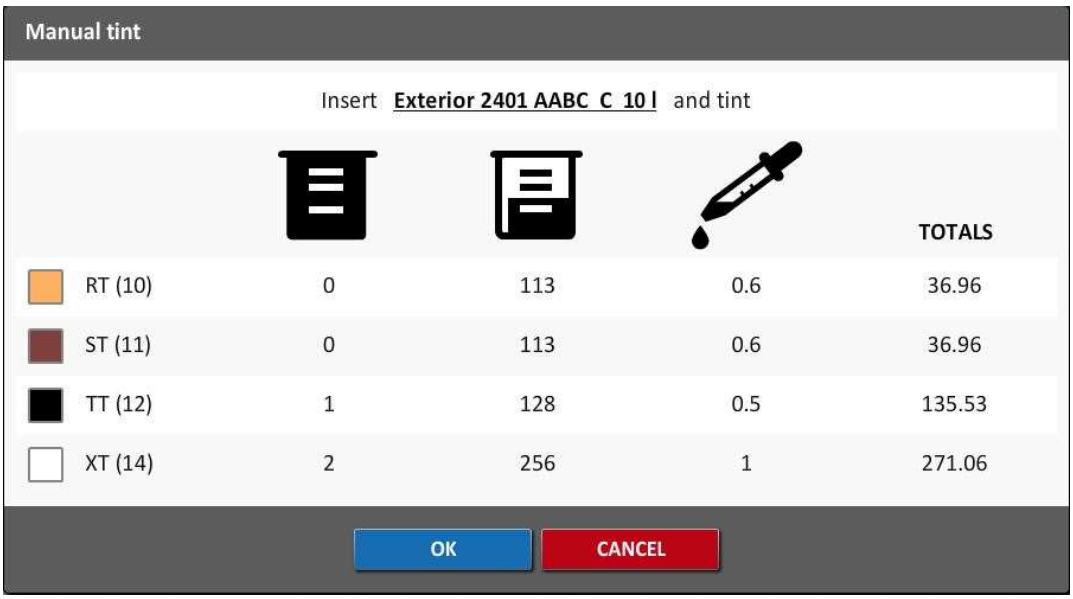
When the settings are correct click on “Save”. Now finish the rest of the settings for the dispenser and click on “Save”.



Now assign for each canister the colorant. When finished click “Save”.

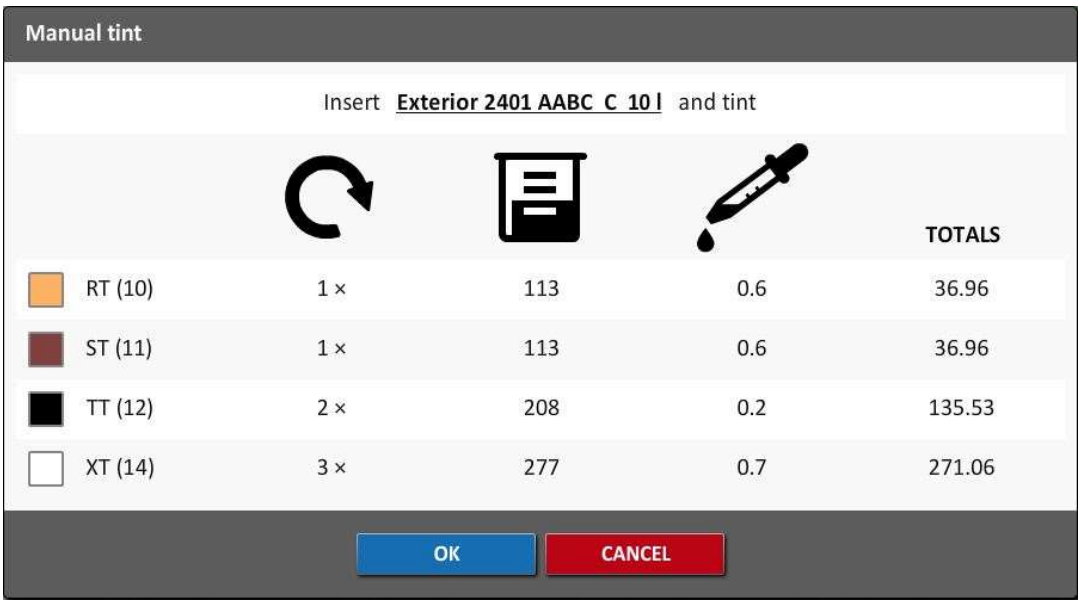


Now the manual machine is configured and can be used. Every time the “Save and dispense” button is clicked a window will come up stating the amounts that should be tinted through the manual machine.



So, in case of colorant “RT” which is at position 10 in the manual machine it needs 113 x (31.24 / 96) from the large pump and .6 (31.24 / (96 / 0.1)) = 36.96 ml from the small pump.

When using the equal amount doses, it would look like this:



The colorant “TT” is now showing a different way of setting up the pumps to have a more equal way of dosing. It is not anymore giving 1 full stroke + the remaining, but 2x a partial stroke to cover the complete amount without adjusting the scale for the large and small pump.

12. Installation of other dispensers

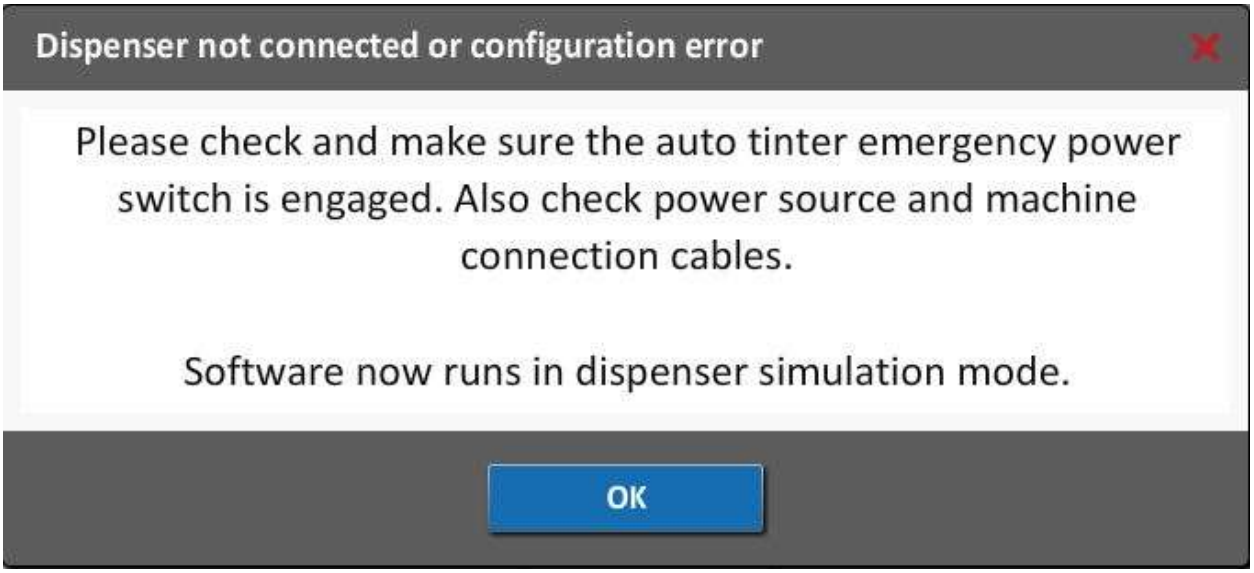
12.1. Prerequisites

To connect Innovatint to other dispensers the connection has to be made over the F-Link protocol. This means that from the dispenser supplier a driver has to be delivered that can read and translate the F-Link so that the tinting machine will understand what kind of formula it is. Check with the supplier if they have a driver for this.

12.2. Connection

In order to make a connection between Innovatint and the driver the location where the F-Link will be placed and picked-up has to be specified. In Innovatint this can be done in the “Tools and Settings” section of the software.

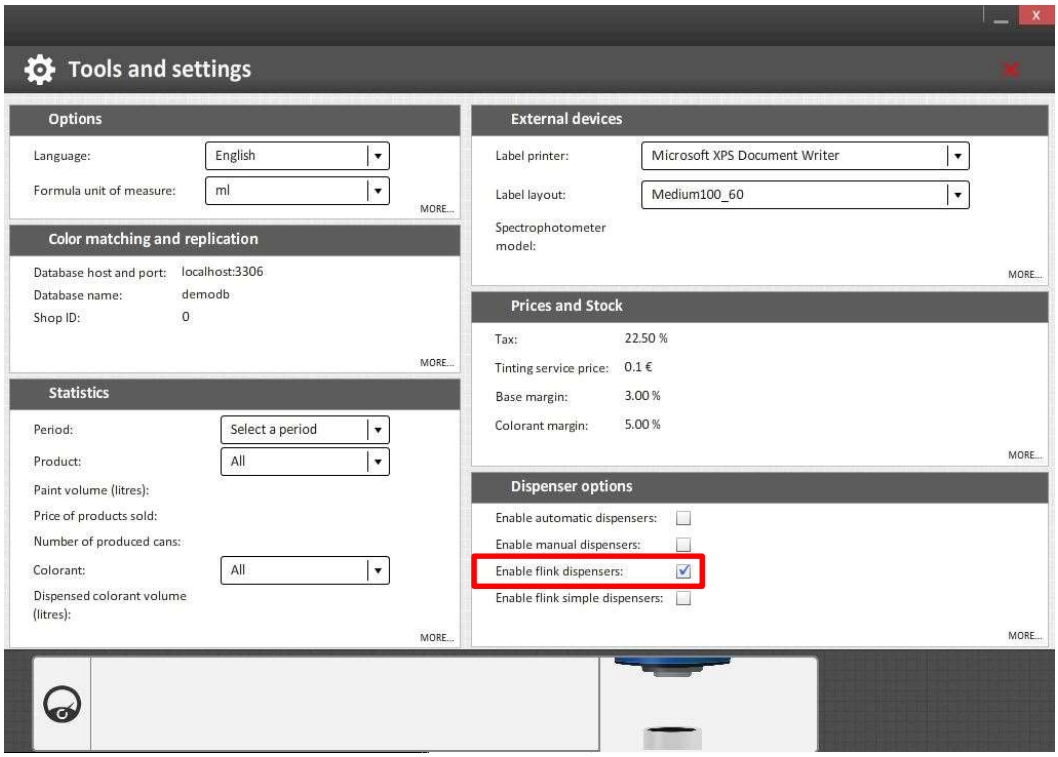
Open Innovatint and wait until the software gives a dispenser not connected error. This is normal as there is no dispenser configured.

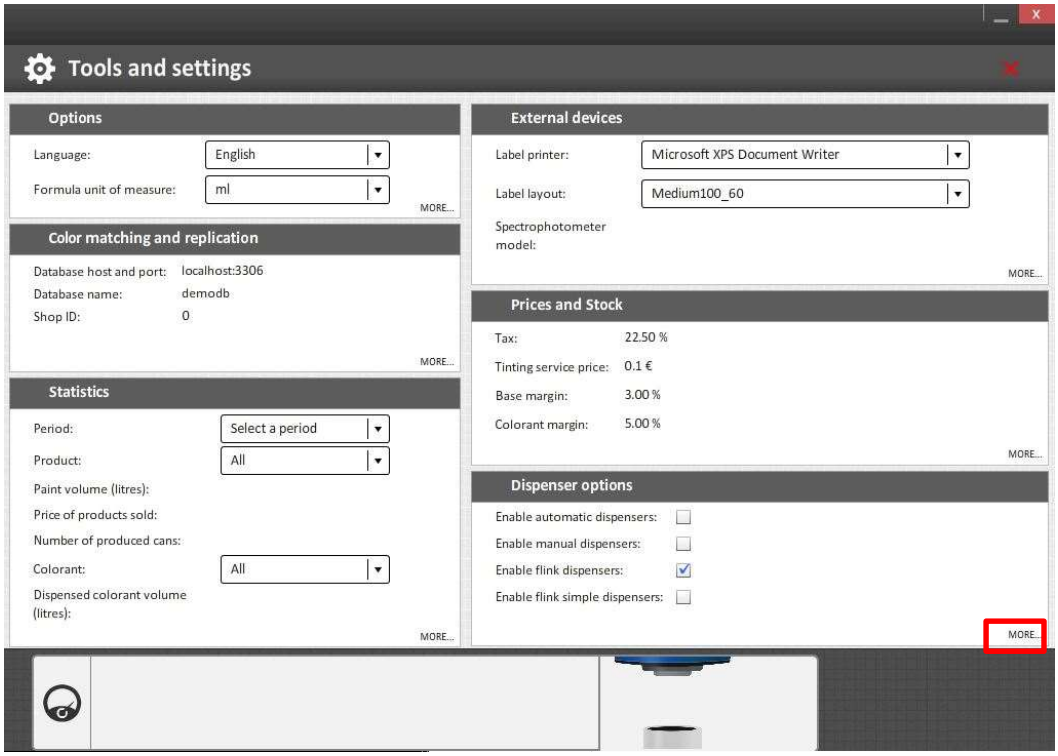


Click on “OK”.

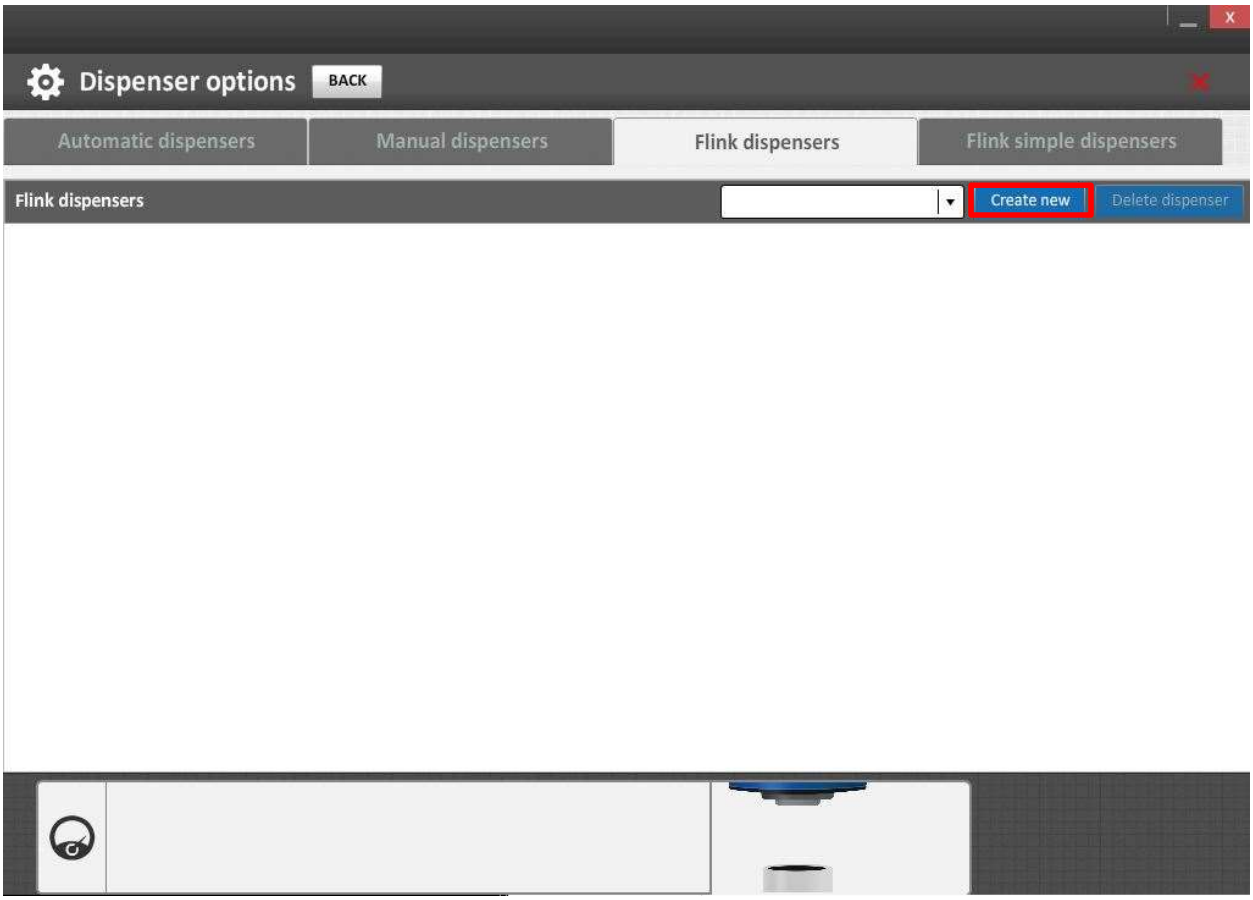
Now go to “Tools and Settings” -> “Dispenser options” and select “Enable flink dispensers”. This will enable the F-Link protocol and when a dispense is made in Innovatint it will place the F-Link file in the location that has been specified. It is important that the driver of the tinting machine is configured to follow also the exact same location. Click on “More”.

NOTE: it is also possible to select “Enable simple flink simple dispensers”. This will be an easier setup where only the name and path have to be given in. In this manual we focus only on the more advanced setup.

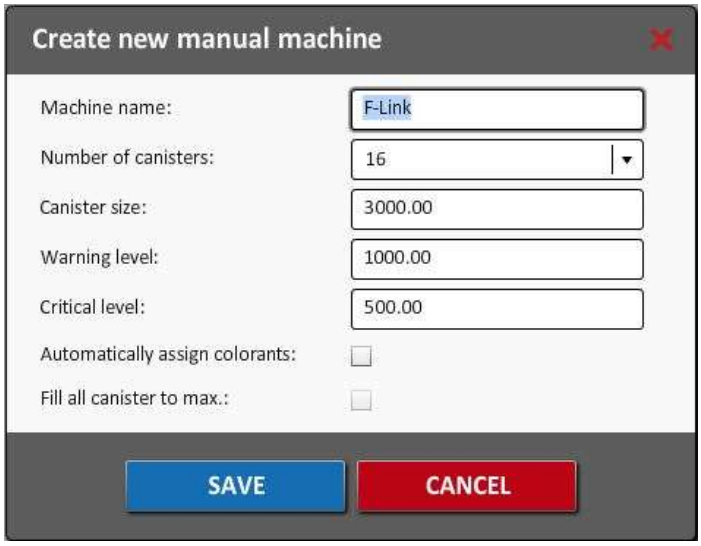

Tools and settings
Options
Language: English
Formula unit of measure: ml
MORE...
Color matching and replication
Database host and port: localhost:3306
Database name: demodb
Shop ID: 0
MORE...
Statistics
Period: Select a period
Product: All
Paint volume (litres):
Price of products sold:
Number of produced cans:
Colorant: All
Dispensed colorant volume (litres):
MORE...
External devices
Label printer: Microsoft XPS Document Writer
Label layout: Medium100_60
Spectrophotometer model:
MORE...
Prices and Stock
Tax: 22.50 %
Tinting service price: 0.1 €
Base margin: 3.00 %
Colorant margin: 5.00 %
MORE...
Dispenser options
Enable automatic dispensers:
Enable manual dispensers:
Enable flink dispensers:
Enable flink simple dispensers:
MORE...


Tools and settings
Options
Language: English
Formula unit of measure: ml
MORE...
Color matching and replication
Database host and port: localhost:3306
Database name: demodb
Shop ID: 0
MORE...
Statistics
Period: Select a period
Product: All
Paint volume (litres):
Price of products sold:
Number of produced cans:
Colorant: All
Dispensed colorant volume (litres):
MORE...
External devices
Label printer: Microsoft XPS Document Writer
Label layout: Medium100_60
Spectrophotometer model:
MORE...
Prices and Stock
Tax: 22.50 %
Tinting service price: 0.1 €
Base margin: 3.00 %
Colorant margin: 5.00 %
MORE...
Dispenser options
Enable automatic dispensers:
Enable manual dispensers:
Enable flink dispensers:
Enable flink simple dispensers:
MORE...

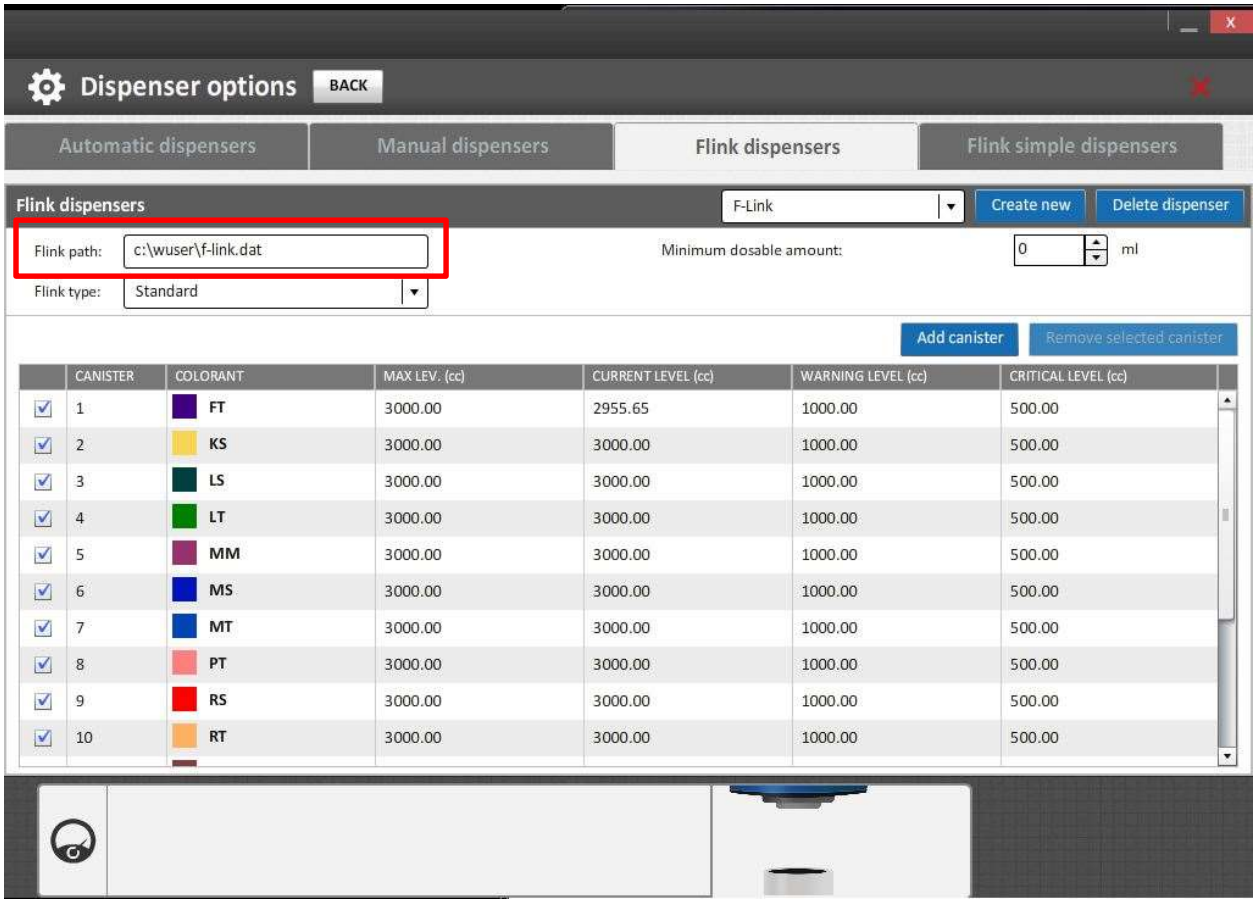
Select to create a new dispenser.



Give the dispenser a name, this can be anything. Set all the other required data, this will be used to keep track of the colorant amounts in the canisters. Click on “Save”.

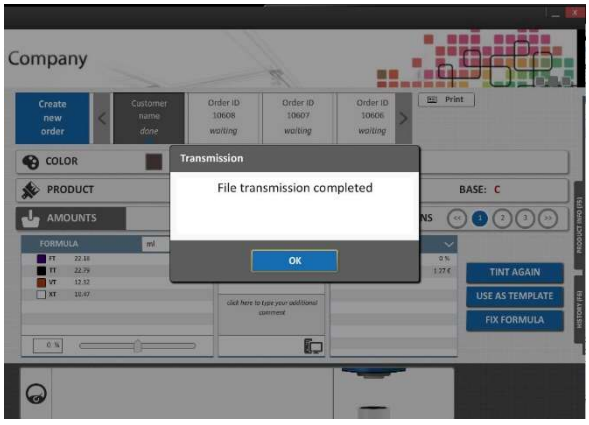


Set now the path and file name the program should use for the F-Link. Also assign the colorants to the correct canisters.



Restart the software. Now Innovatint will not look anymore for a tinting machine.

To finish the installation, configure the external driver and test if the connection is correct.
When the “Dispense” button is used the F-Link is created and Innovatint will show “File transmission completed”.



NOTE: There are multiple F-Link possibilities that can be used.

Standard: creates standard F-Link file

Standard Gravimetric: create F-Link files with colorants in weight but base in volume

TDF standard: creates standard F-Link file but adds the base also in the colorant section

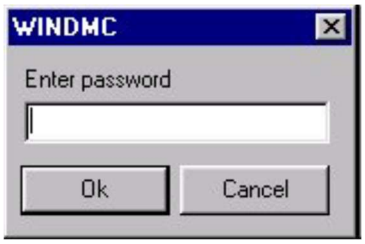
TDF Gravimetric: create F-Link files with colorants in weight but base in volume and adds the base in the colorant section

12.3 Dispense Manager connection

For Dispense Manager the output file name in Innovatint must be changed to ***flink.dat*** instead of ***flinkout.dat*** without this change Dispense Manager will not recognize the output file. Install the Dispense Manager and Control Manager software onto the dispensing machine PC and configure the machine as per the instructions for the software.

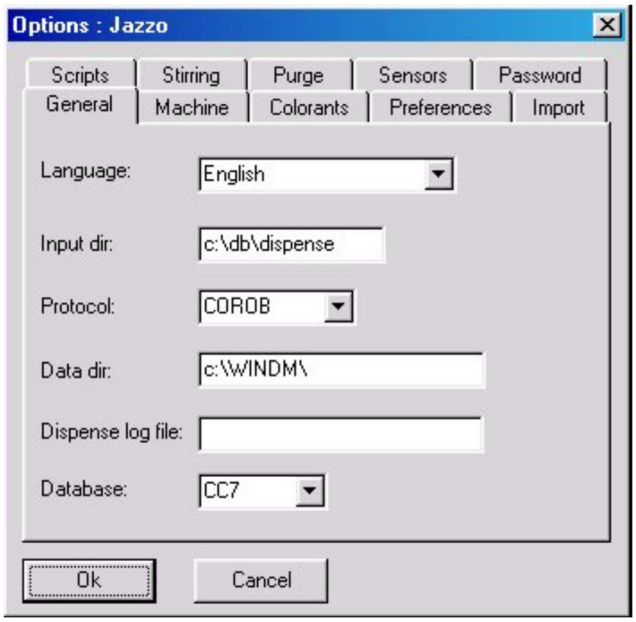
12.3.1 Configuring Dispense Manager

To access the software, go to the **start menu -> Dispense Manager -> Dispense Manager Configuration** and start the software. Note that you should not have any other DM program running simultaneously to avoid conflicts.



The Dispense Manager Configuration program is used to change the configuration setup of Dispense Manager program. You can use it to edit new colorants into the colorants table so that the Dispense Manager is able to identify and use them. Also note that some dispense machine features like machine sensors, stirring cycles etc. can be configured using the DMC program. When you are configuring the dispense machine, these changes affect how the machine will work. The user of the program must specify the password (normally ***cor***) of the configuration program in order to continue into protected areas. Same password protection is used in different areas which are made only for service persons.

2.2.3.2. Configuring the connection



The software opens to the General page, this includes some general configuration items.

The field '***Input dir***' is the folder where the formula is read from. This is where you need to type in the folder where you previously directed Innovatint to make the flink-files. So, for example c:\dispense
Note do not write the file name here. It must be flink.dat in the folder named.

The field '***Protocol***' is where you define the format of the input file for the DM software. Protocol COROB means that the file is named FLINK.DAT and follows the

FLINK protocol definition. So, leave the protocol in this format.

The field '***Database***' defines what database system is used by external formula management program. For Innovatint this should be left to NONE, this indicates that there is a non-Colour Composer type formula management program.

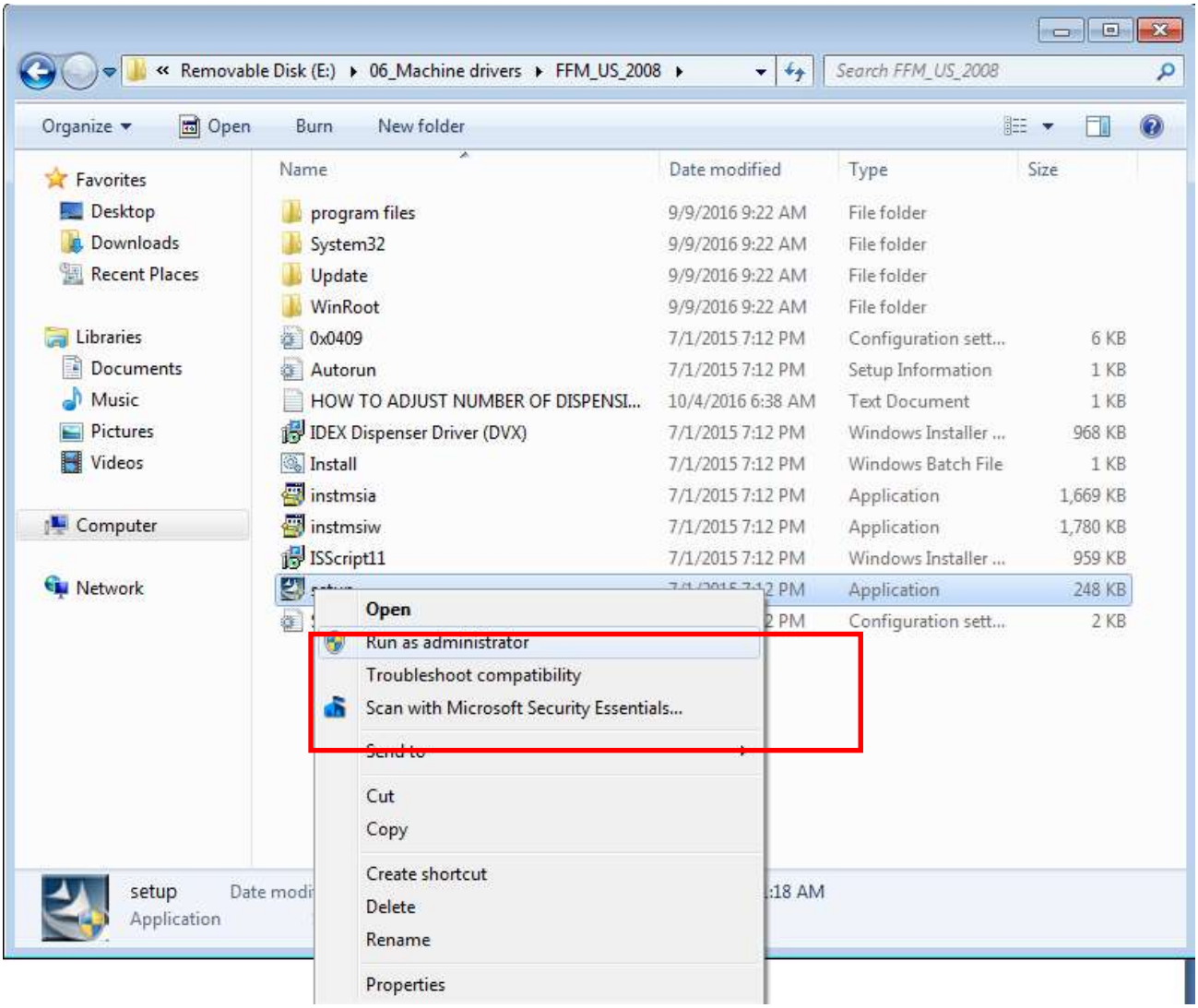
Other steps

Test the connection by making a dispense in Innovatint and check if the communication is picked up by Dispense Manager correctly.

13. Installation of F&F US dispensers

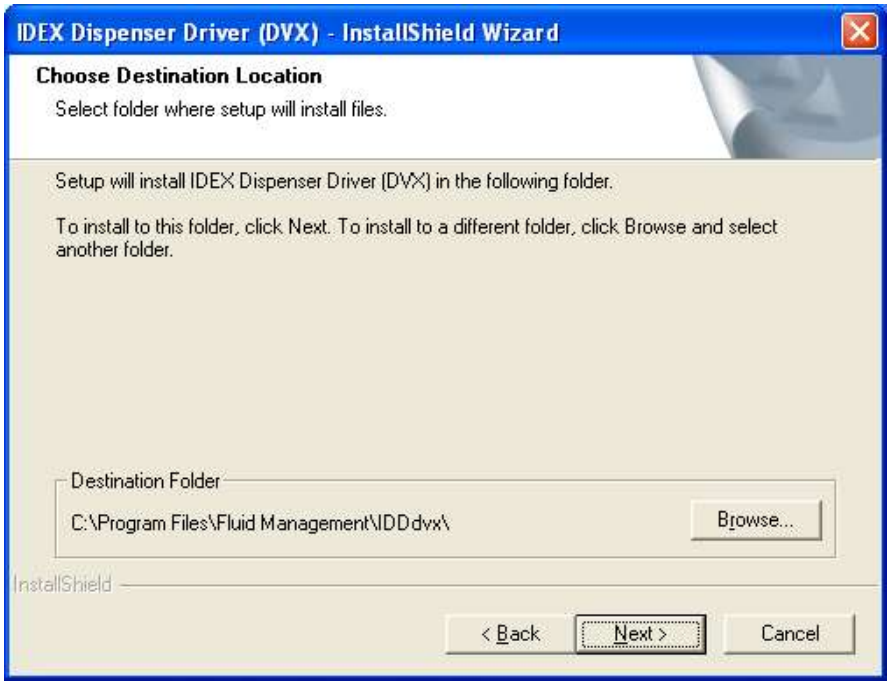
13.1 Driver installation

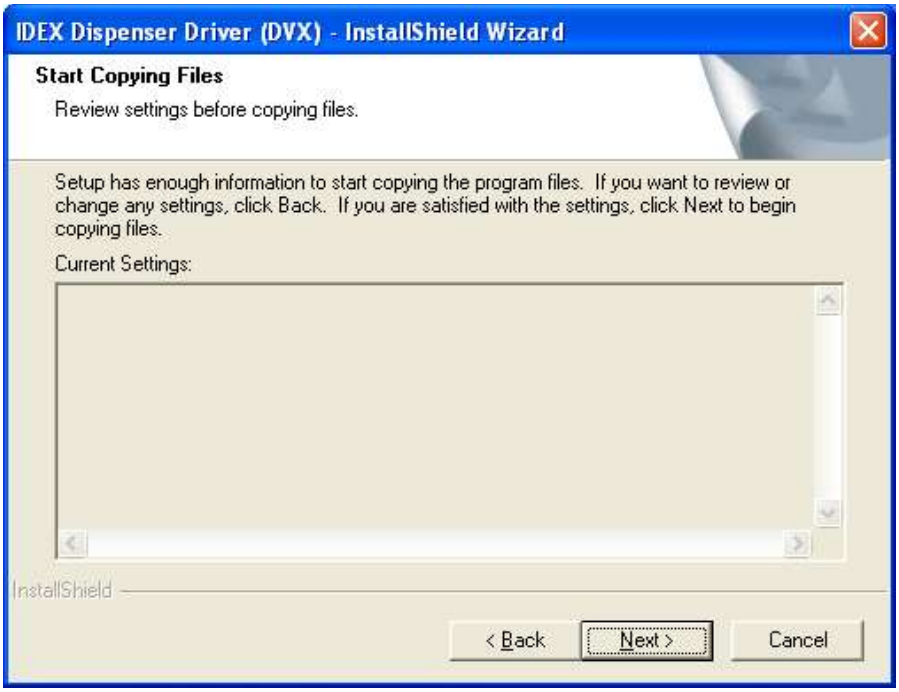
Run the setup from the Fluid driver as administrator by right mouse click on the setup file and select "Run as administrator". Follow the wizard, no need to change anything.

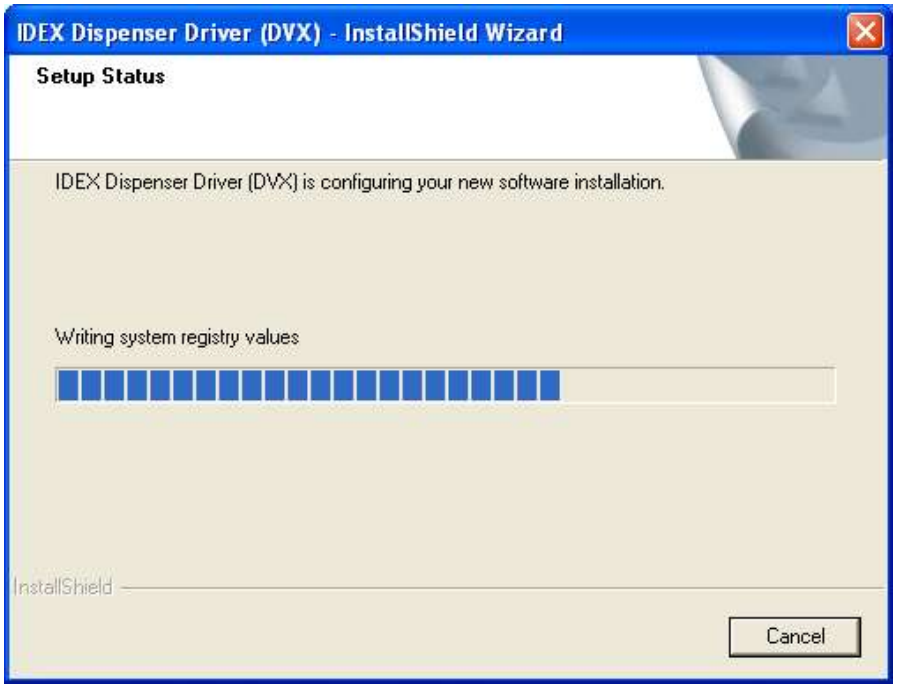



IDEX Dispenser Driver (DVX) - InstallShield Wizard
Welcome to the InstallShield Wizard for IDEX Dispenser Driver (DVX)
The InstallShield® Wizard will install IDEX Dispenser Driver (DVX) on your computer. To continue, click Next.
< Back
Next >
Cancel


IDEX Dispenser Driver (DVX) - InstallShield Wizard
Customer Information
Please enter your information.
User Name:
User
Company Name:
Doma
Install this application for:
Anyone who uses this computer (all users)
InstallShield
< Back
Next >
Cancel


IDEX Dispenser Driver (DVX) - InstallShield Wizard
Choose Destination Location
Select folder where setup will install files.
Setup will install IDEX Dispenser Driver (DVX) in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\Fluid Management\IDDdvx\
Browse...
InstallShield
< Back
Next >
Cancel

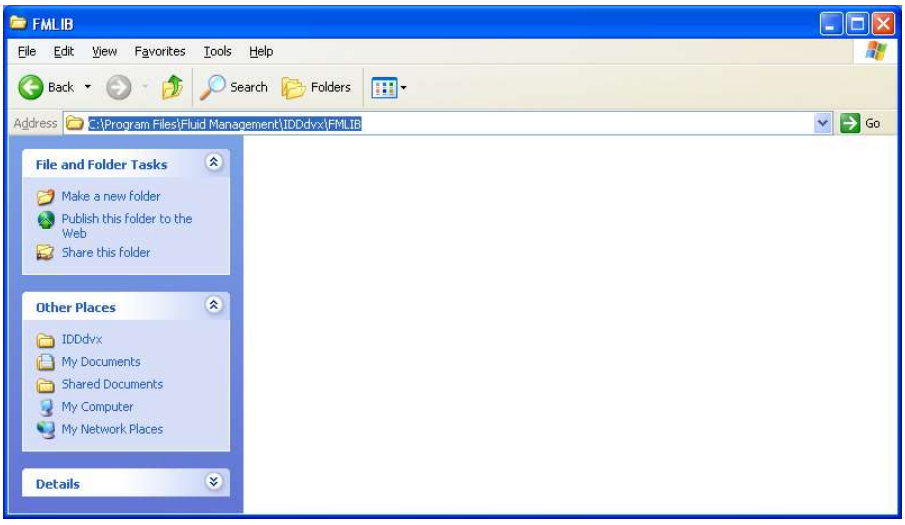

IDEX Dispenser Driver (DVX) - InstallShield Wizard
Start Copying Files
Review settings before copying files.
Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.
Current Settings:
InstallShield
< Back
Next >
Cancel

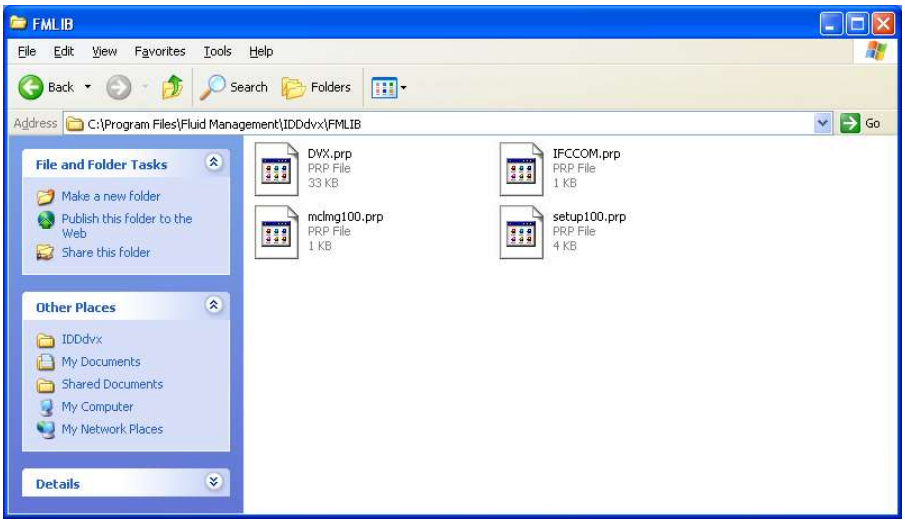


Make sure to reboot the computer otherwise the licensing may not work correctly.

13.2 Dispenser configuration

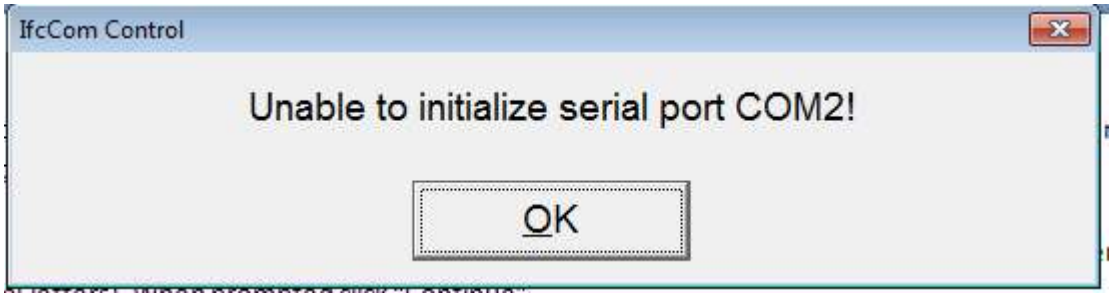
Dispenser configuration, place it into C:\Program Files\Fluid Management\IDDdvx\FMLIB:



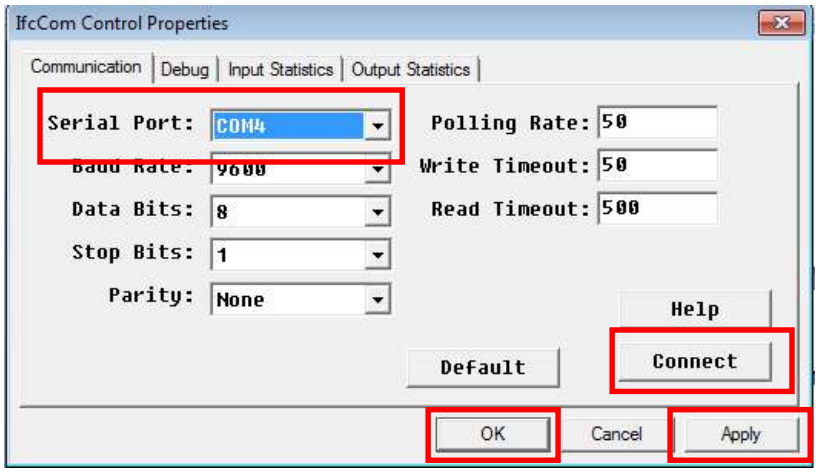


Now open C:\Program Files\Fluid Management\IDDdvx\SERVICE. Run this program as administrator. Enter the password which is “service”.

It will look for the dispenser and probably give an error on the COM port. Click on OK and wait for the second error, click on OK again.



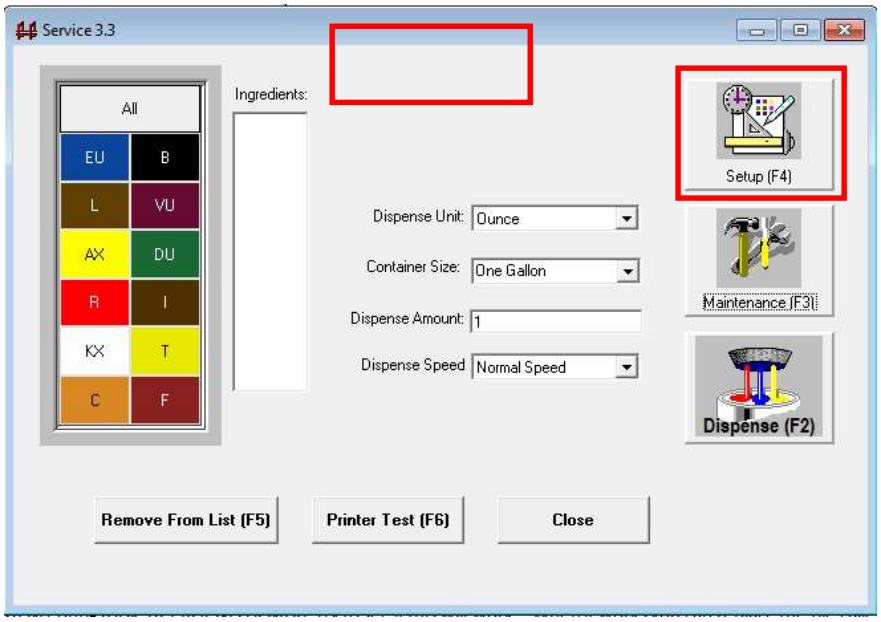
Finally, it will come up with a configuration window. Select the correct COM port and click on “Connect” and then “Apply” and then “OK”.

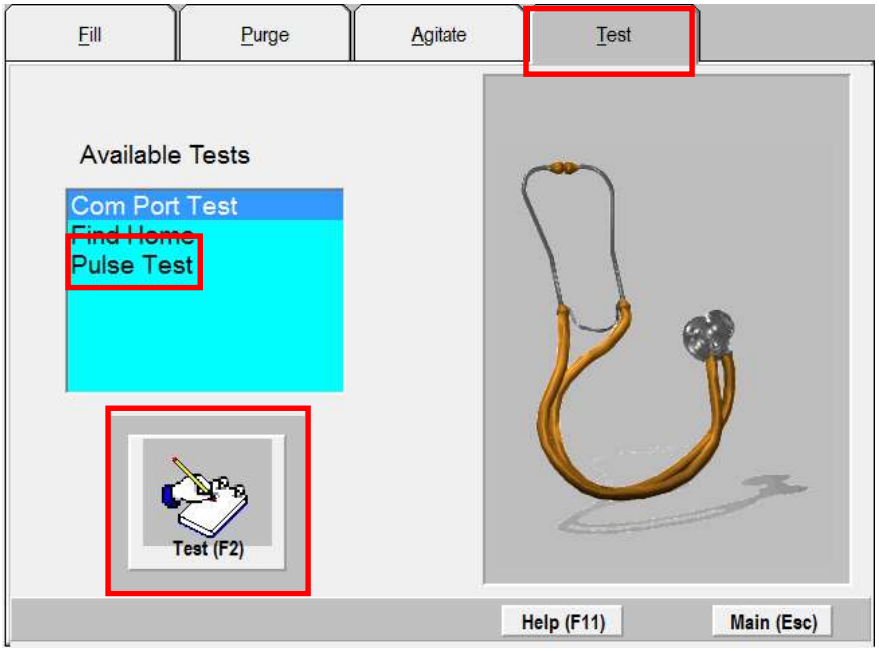


When the firmware of the machine is too old then at first start of the service programs and it has

communication it will ask to download a newer version of the firmware. Make sure this is done. This does not happen for all machines, but for some.

Now we can test the communication with the tinting machine. Go to Maintenance -> Test -> Pulse test. Click on “Test”.

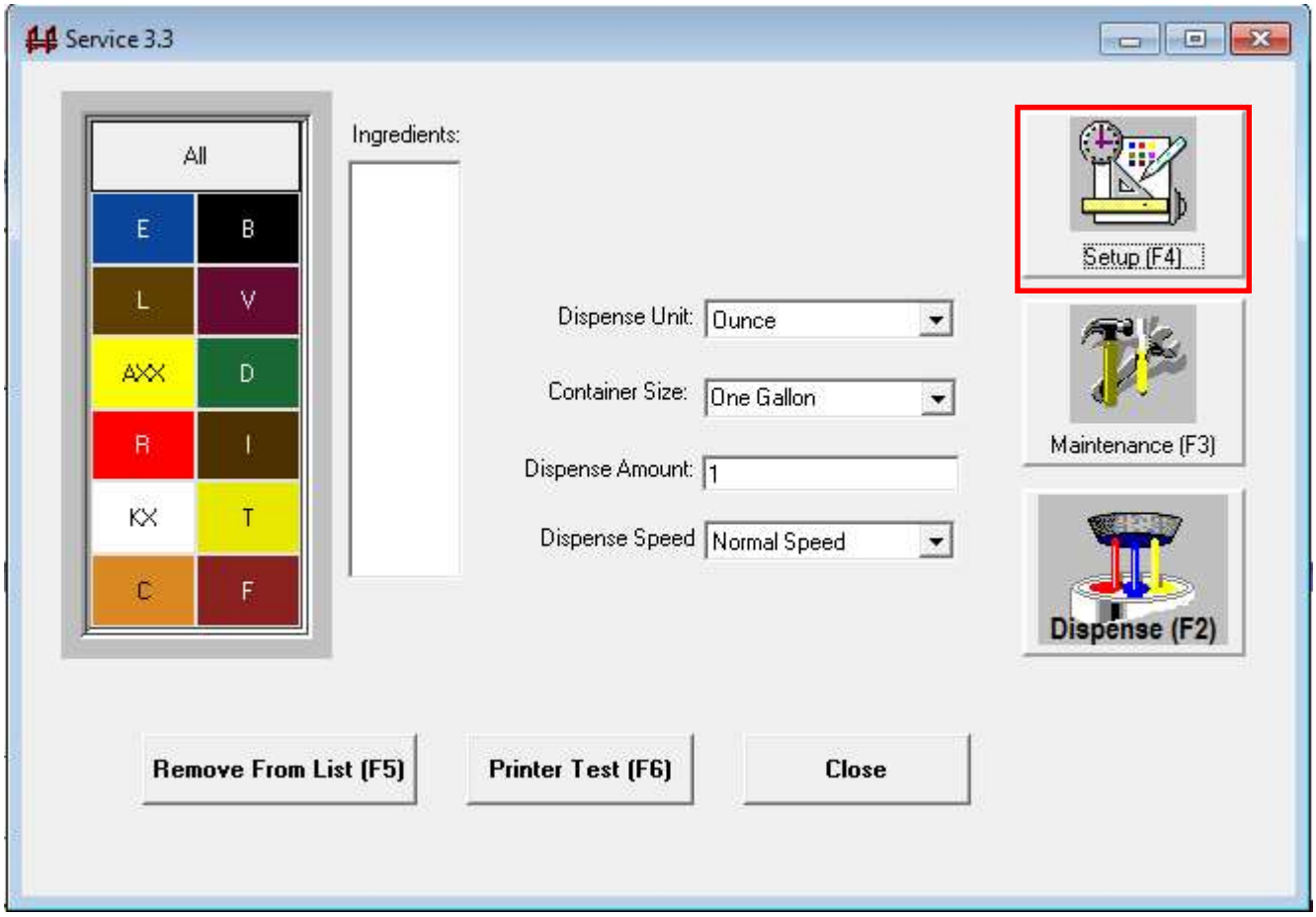




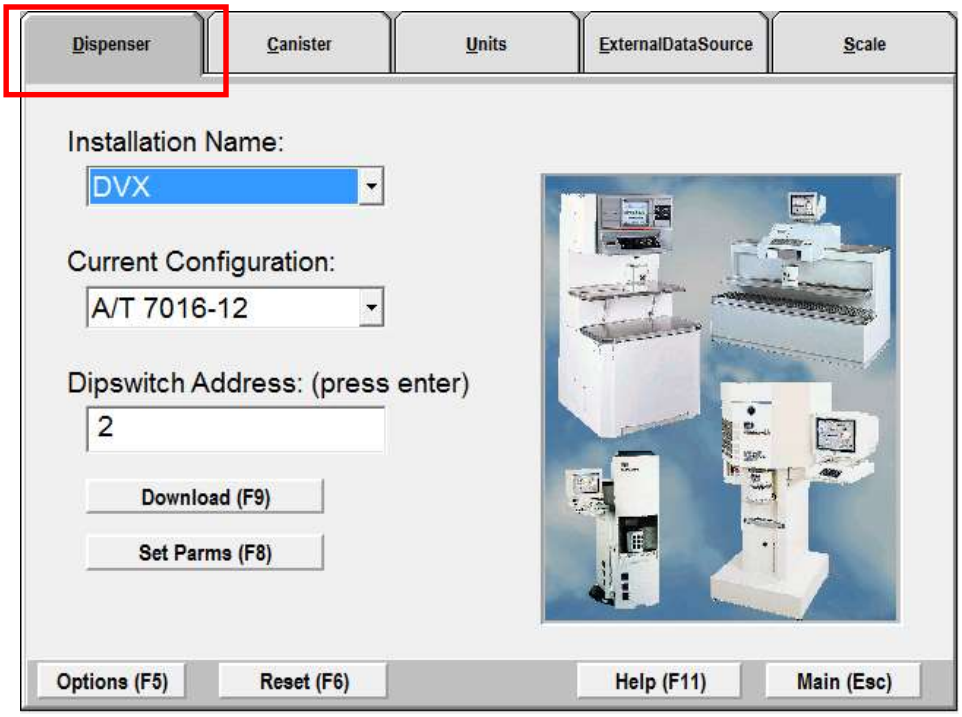
When nothing happens and this message comes up you must set a different COM port:


MCLDVX Control
Communication with dispenser has been suspended. Verify cable and serial port connections.
OK

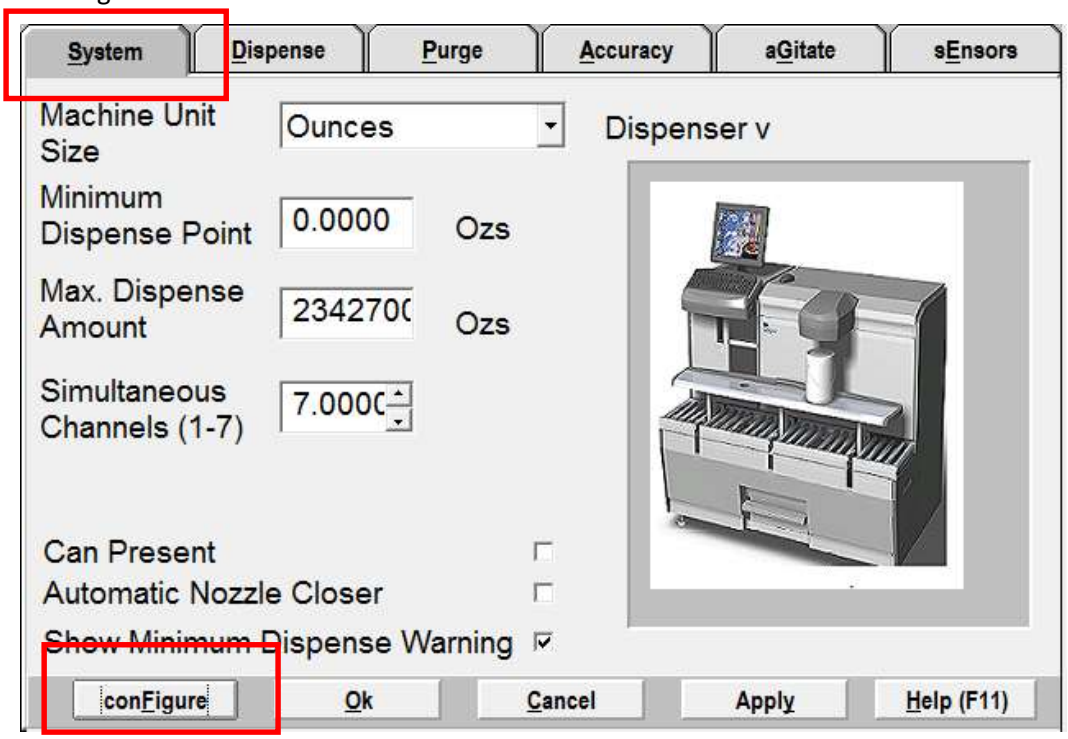
Go to Setup:


Service 3.3
All
E
B
L
V
AXX
D
R
I
KX
T
C
F
Ingredients:
Dispense Unit:
Ounce
Container Size:
One Gallon
Dispense Amount:
1
Dispense Speed
Normal Speed
Setup (F4)
Maintenance (F3)
Dispense (F2)
Remove From List (F5)
Printer Test (F6)
Close

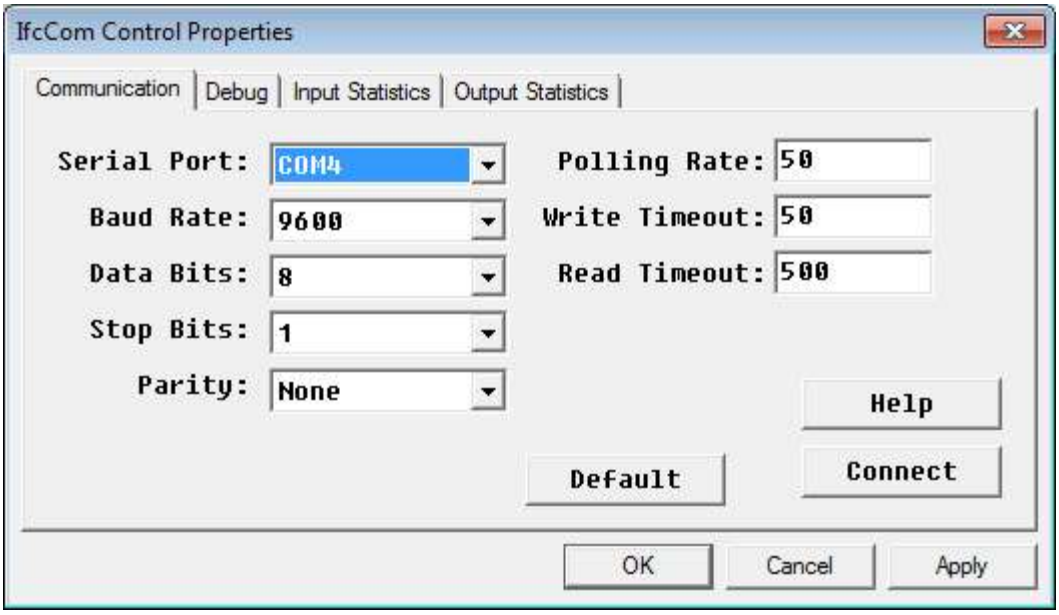
Dispenser -> Options:



System -> Configure:

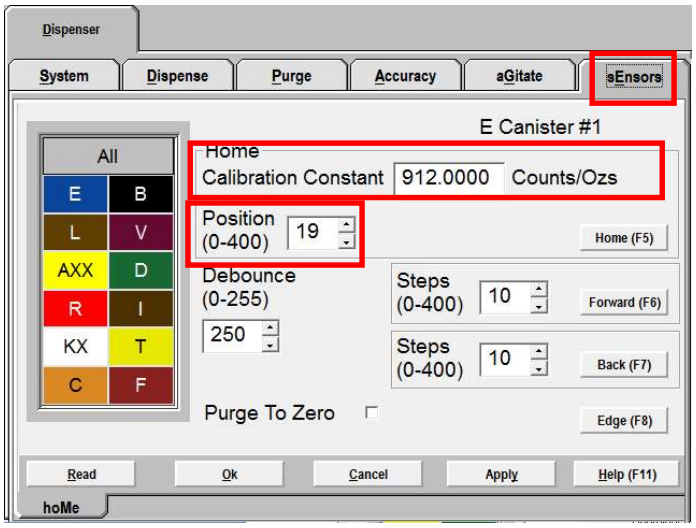


Set other COM port (follow same steps as first):



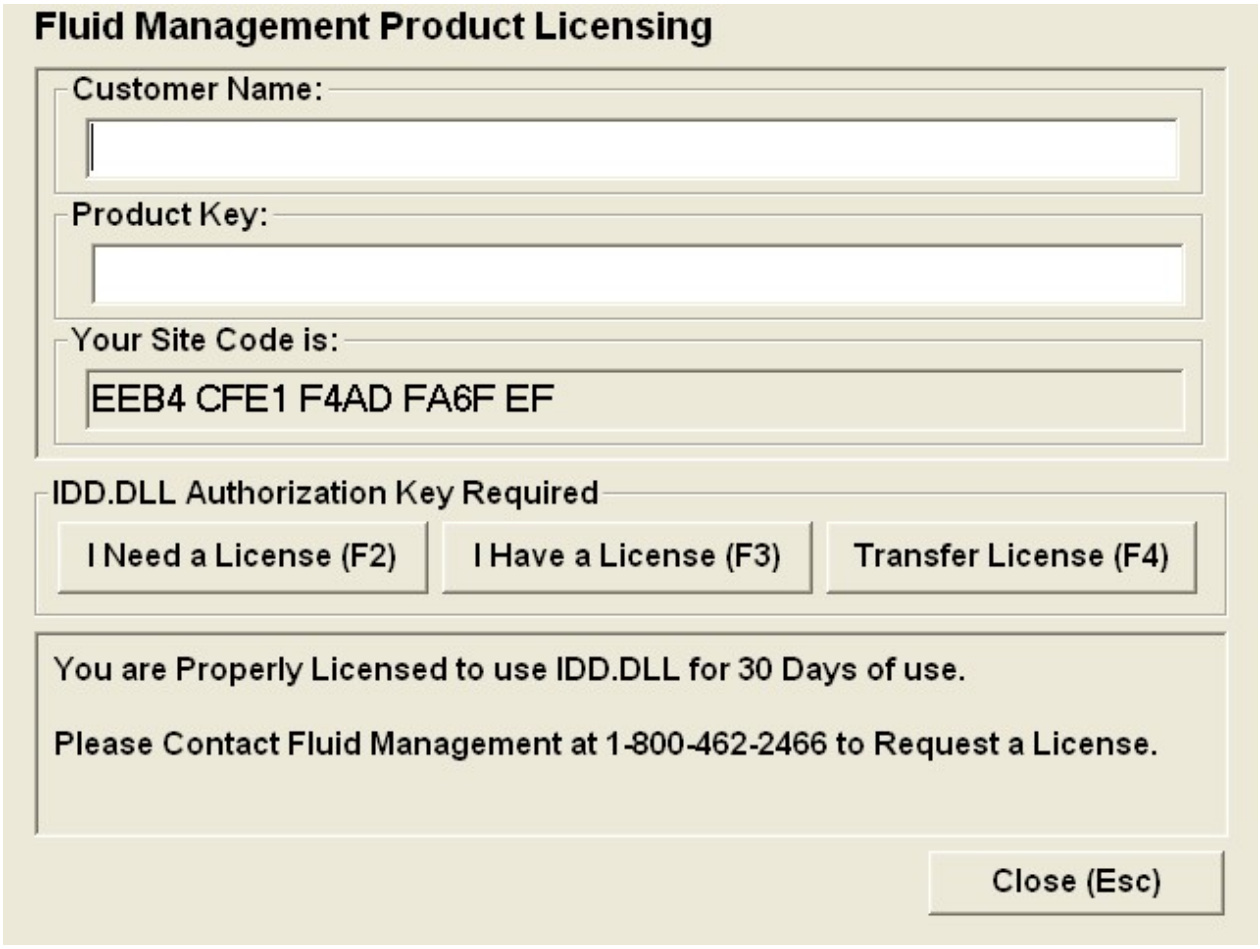
When this is done follow the same steps again to do the pulse test.

When it works go to Setup -> Dispenser -> Options -> sEnsors. Click on each individual colorant and check the Calibration constant and Position.



When something is not correct change it and apply. When it is all correct (all colorants) close the service program.

Now open C:\Program Files\Fluid Management\IDDdvx\VBIDDClient. Open the program as administrator. The program should now ask you for activation. It could also be it only asks you when you have initialized the dispenser. How to do this is described in the section below this. Please follow the steps to select the DVX.PRP and click the “Init Dispenser”. Azt that moment the activation will come up. Then come back to this section and continue with the activation.

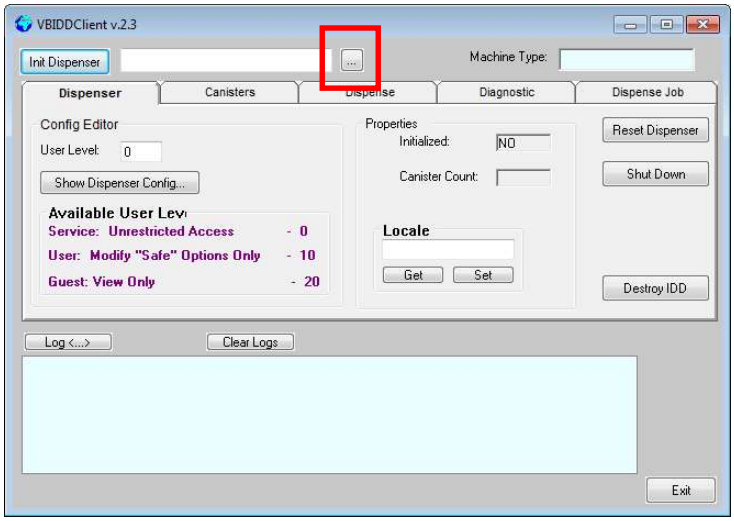


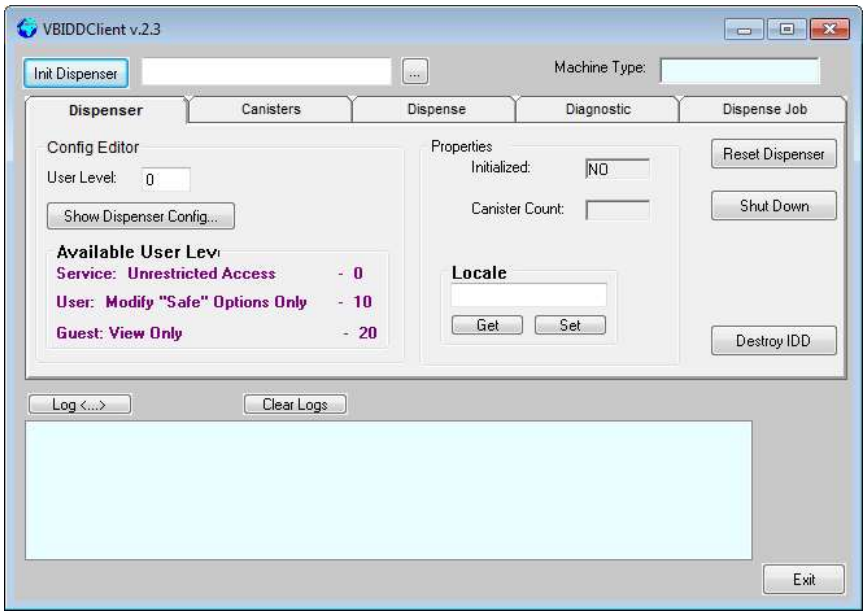
At this point call the displayed number and ask Fluid for an authorization code. You will have to give them the Product key and the Site Code. You will have to click on “I have a license” to key in the authorization code they will give you.

When you click “Close” the 30 days demo will start. To activate it then at a later stage, check the explanation at the end of this document to see how to get the activation screen showing again. In the meantime, do **not** open Innovatint! Problems with this have been seen so it is highly recommended to activate right away. When you do run into problem de-install the whole driver, delete the Fluid Management folder, restart the computer and do the driver installation once more.

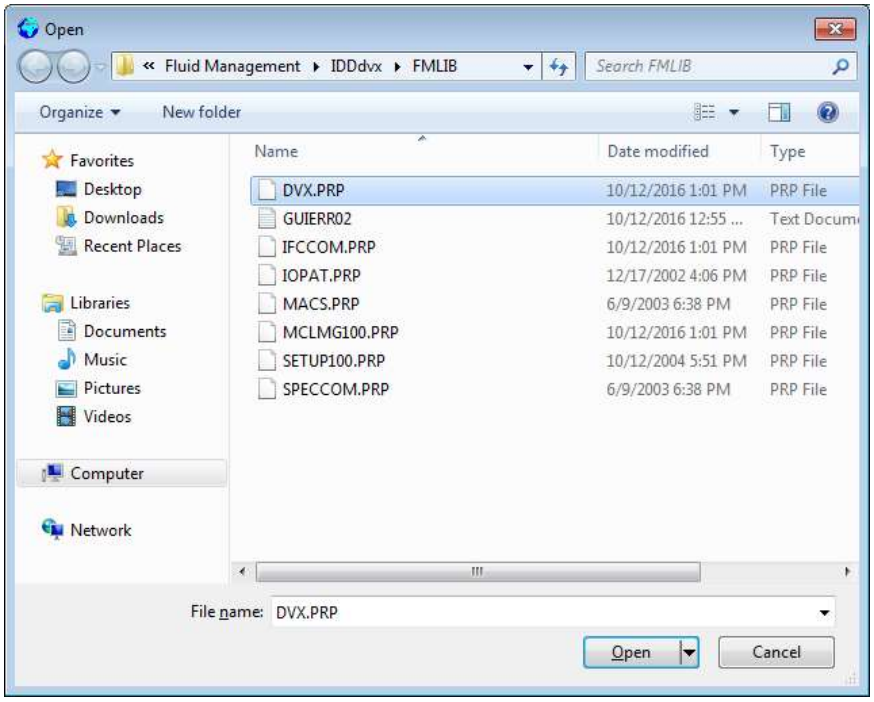
When having activated or started the demo mode you will see the following screen:

Select the correct file by clicking on the …





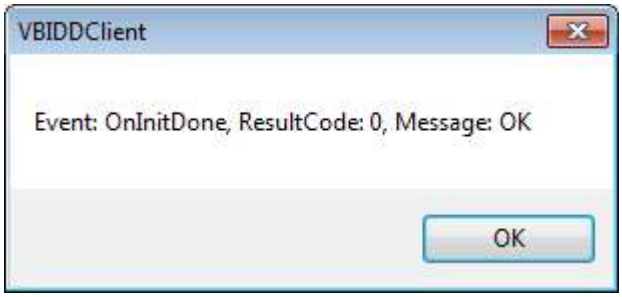
Select the DVX.PRP file in C:\Program Files\Fluid Management\IDDdvx\FMLIB folder.



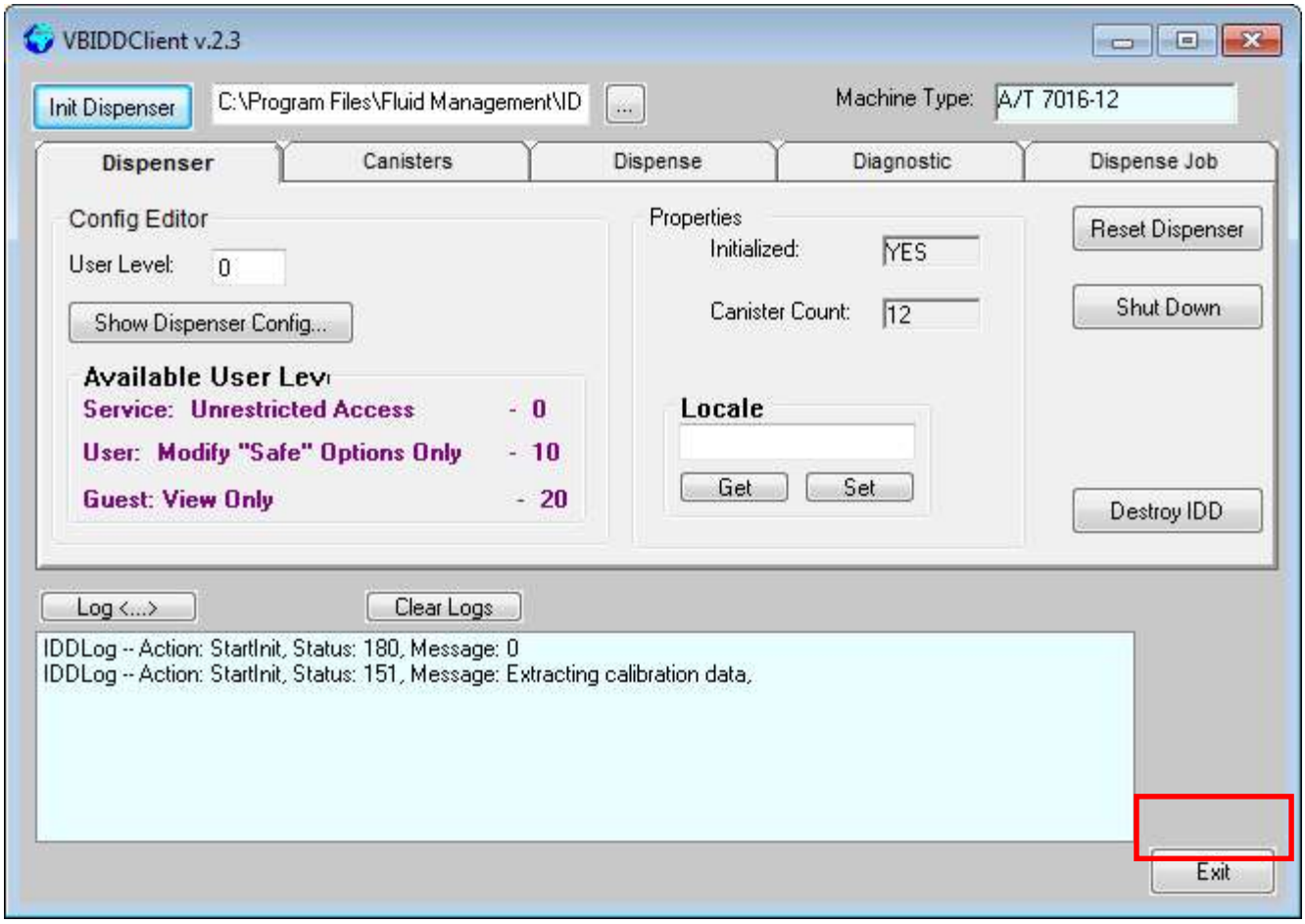
Click on “Open”.

Now click on “Init dispenser”.

When correct you see this:

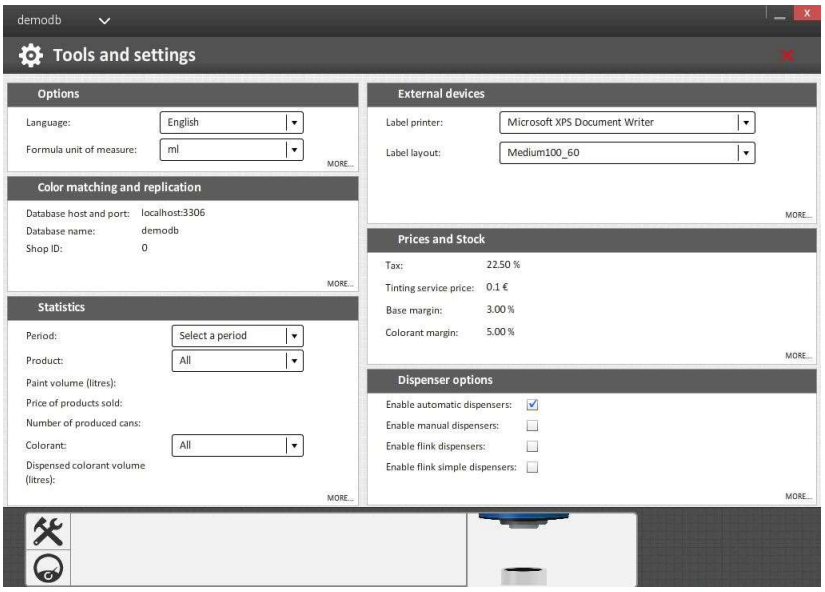


Click on “OK” and then on Exit”.

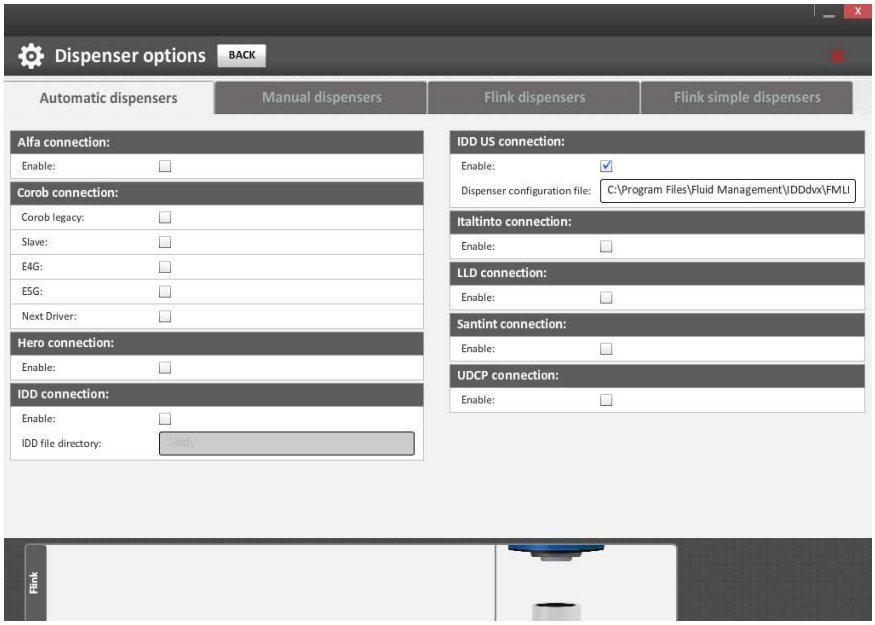


13.3 Innovatint configuration

Open Innovatint and go to Tools&Settings.

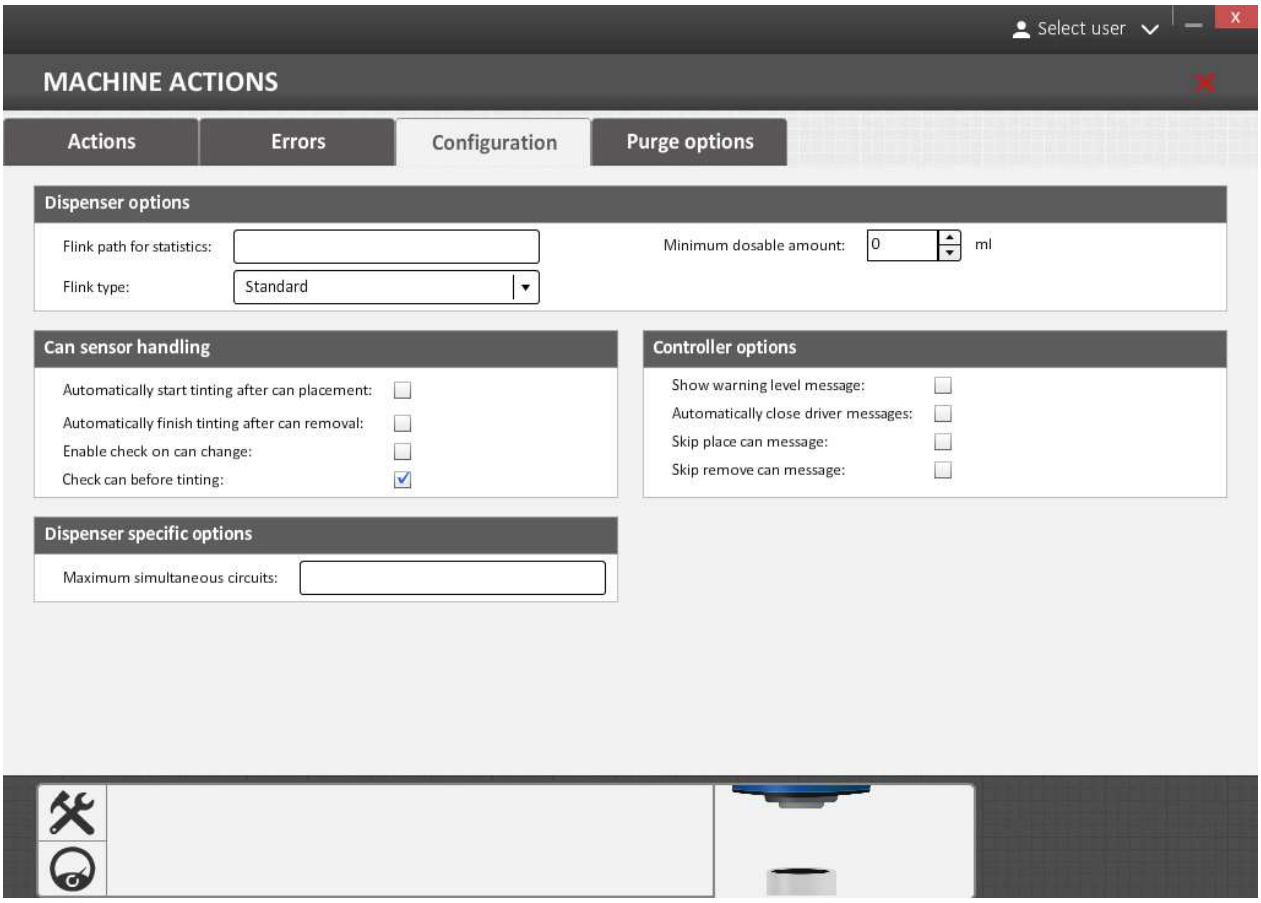


Go to the “more” section and select the IDD US connection. Set path to C:\Program Files\Fluid Management\IDDdvx\FMLIB\DVX.prp.



When these settings have been made close Innovatint and start it again. Now it should connect automatically. When it does not check the communication type used for the machine and change it.

Special settings for the IDD US FM:



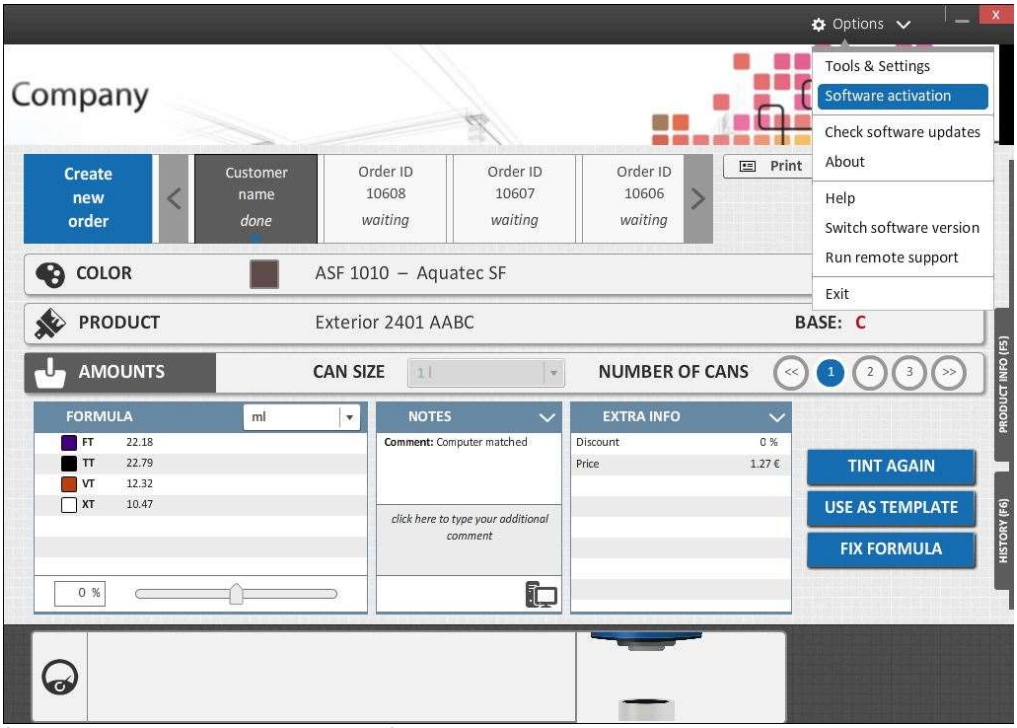
Maximum simultaneous circuits can be set if needed, test values 4, 2 and 1.

14. Activation of the P.O.S. software

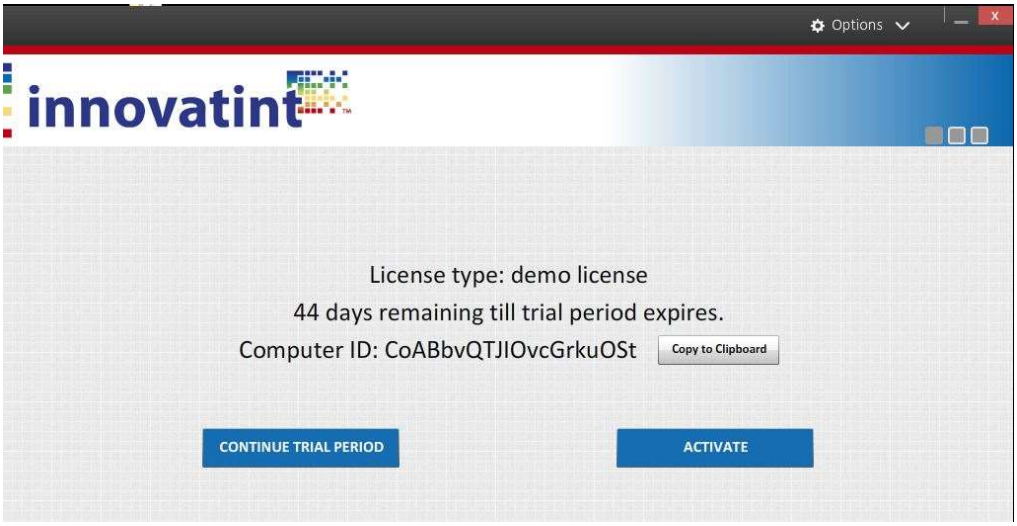
14.1 Activation

For activation of Innovatint a license code is required. This should be supplied by Chromaflo Technologies. Depending on the license code a specific version will be unlocked.

Open Innovatint and select the activation option as seen on the screenshot. Select “Software activation”.



If the software is still in demo mode the following screen will appear.

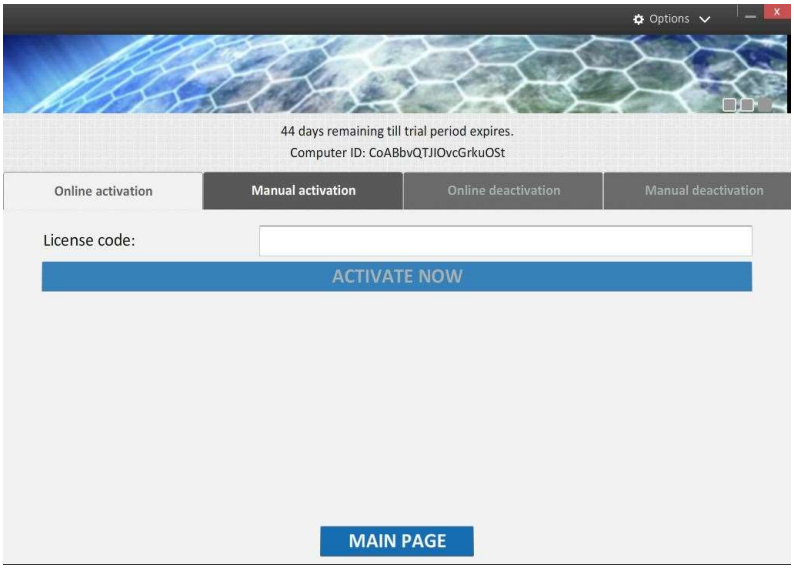


To activate the software, click on “Activate”. This will bring up the activation window. The software can be activated in 2 different ways:

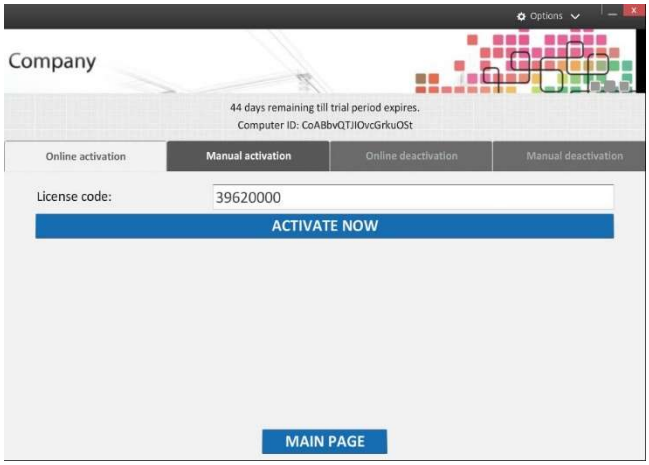
- Online activation
- Manual activation

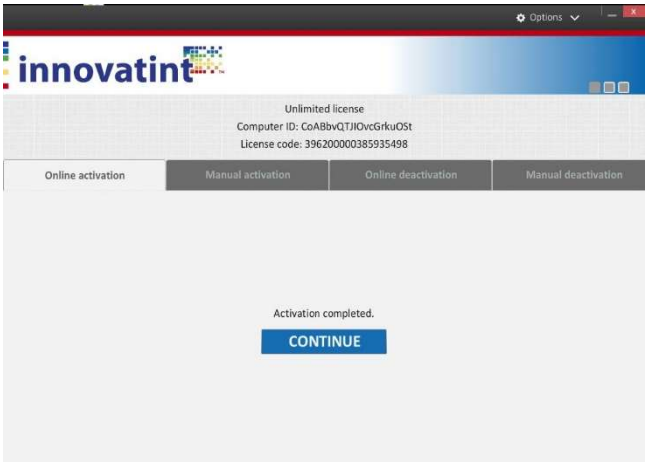
14.1.1 Online activation

The software can be activated online when the computer where Innovatint is installed on has an internet connection. Select the “Online activation” option.



To activate the software, give in the license code received from Chromaflo Technologies and click on “Activate now”. The program will try to activate. If this has been successful the following screen appears:



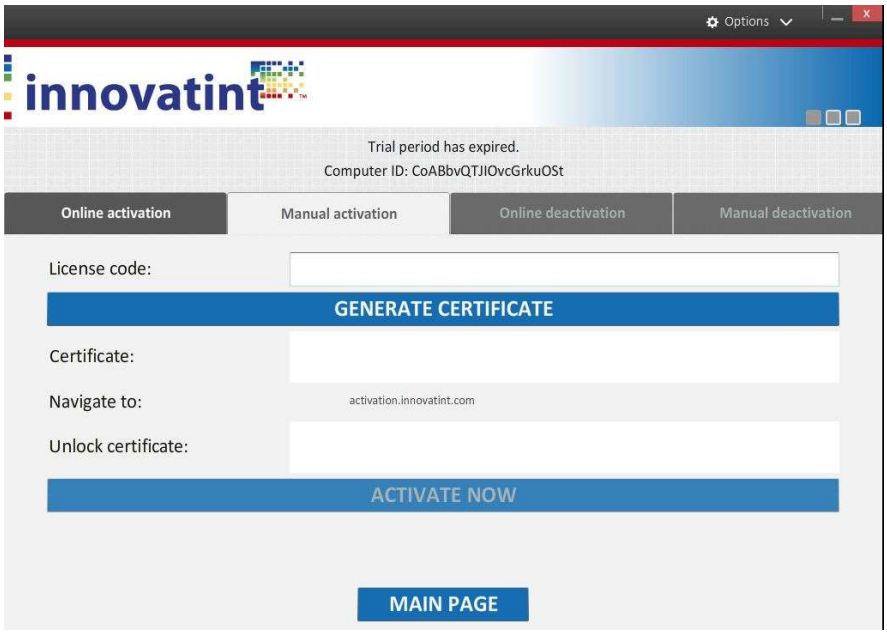


After the activation has been successfully gone through the program can be used.

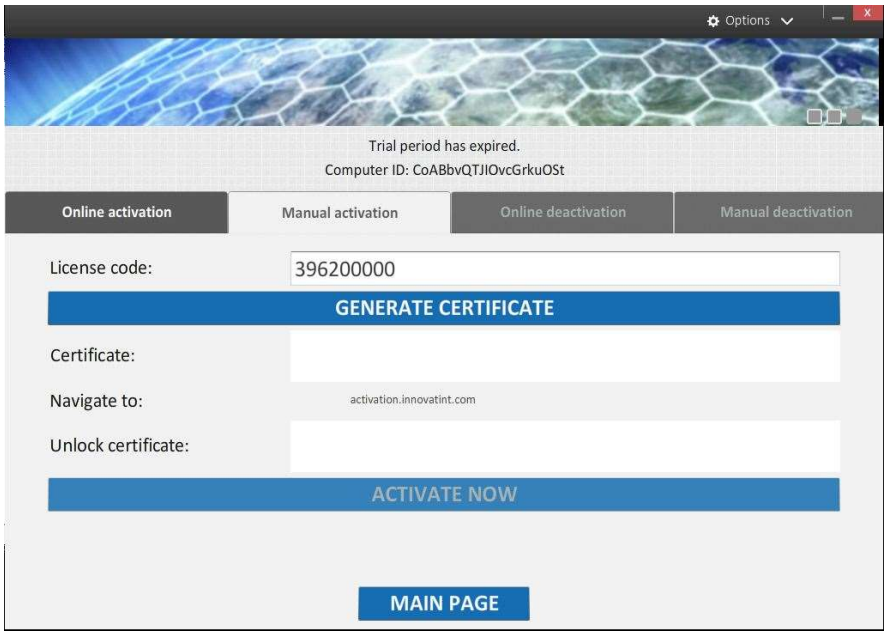
14.1.2 Manual activation

When an internet connection is not available on the computer where Innovatint has been installed on another computer with internet connection can be used to create an unlock code.

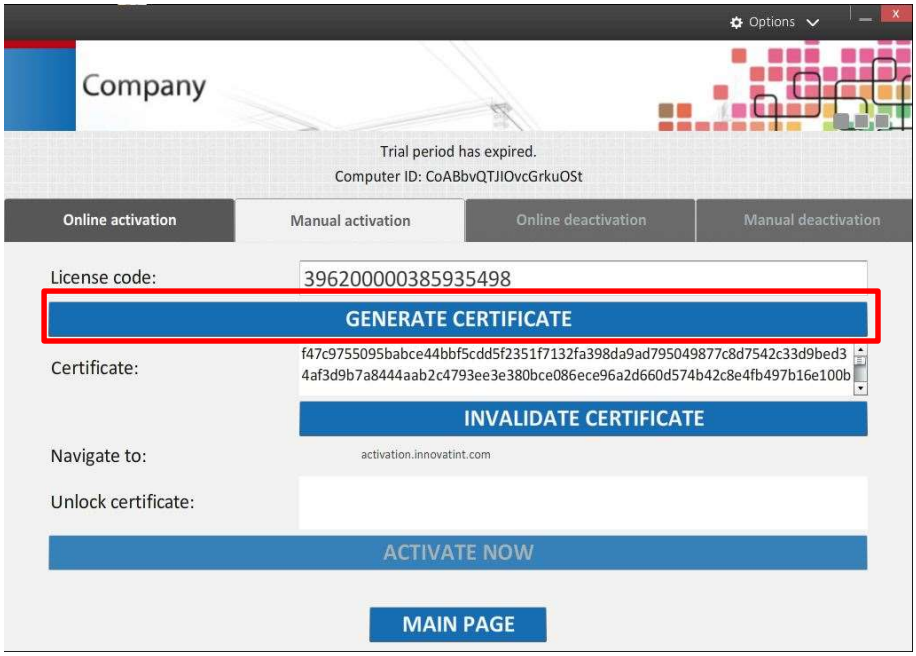
Select the option “Manual activation”.



Give in the received license code.



Click on “Generate certificate”. Whenever you have made a mistake click on “Invalidate certificate” to be able to start over again.

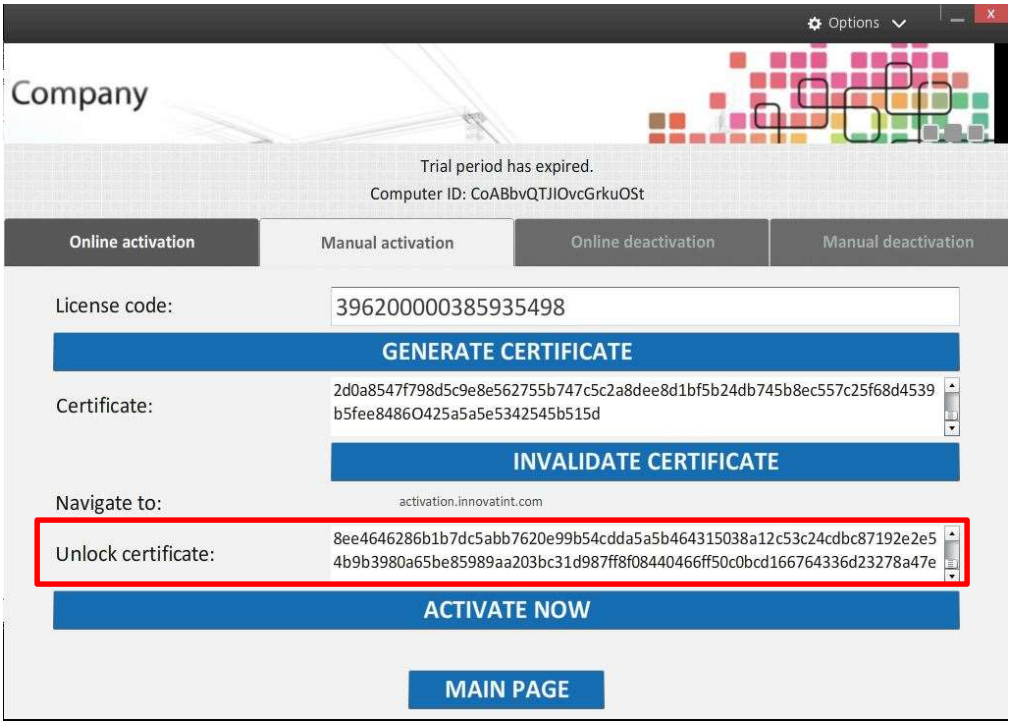


The generated long number is needed for the activation.Go to the website activation.innovatint.com. This will bring up a website which can be used for manual activation.

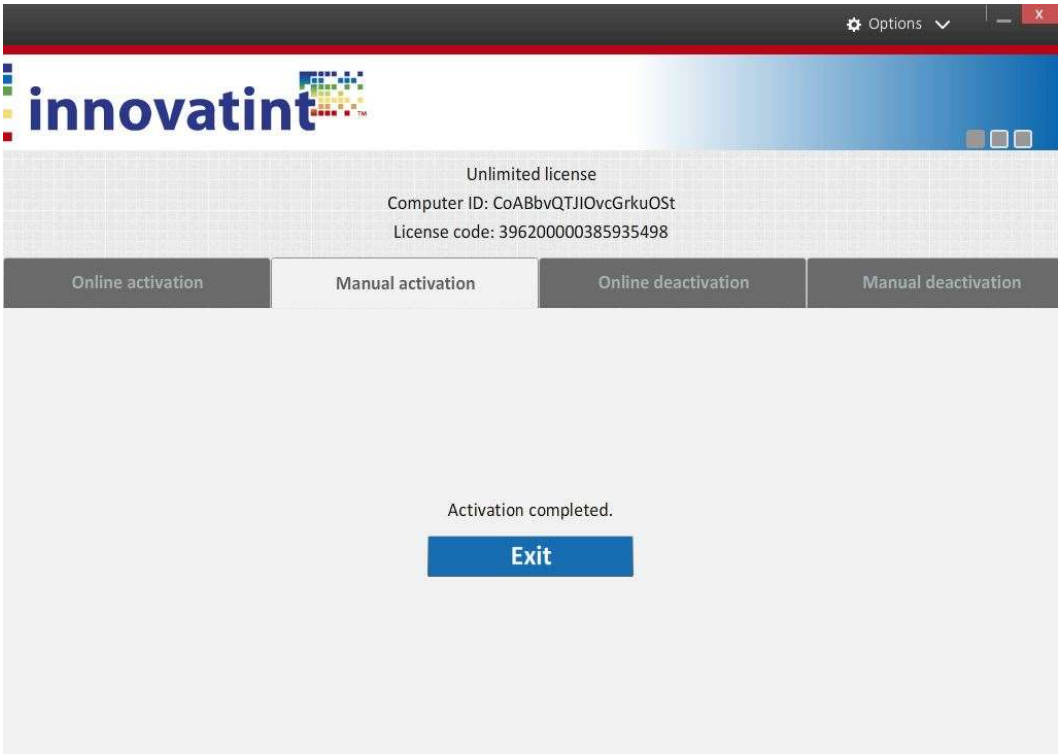
Fill in the license code, the certificate and at least site name, company name and city. After that click on “Send”.

A very long unlock number will appear.

Copy this number to the computer where Innovatint is installed on and paste it into the activation screen.



Click on “Activate now”. When everything is correct the software will be activated.



14.2 Deactivation

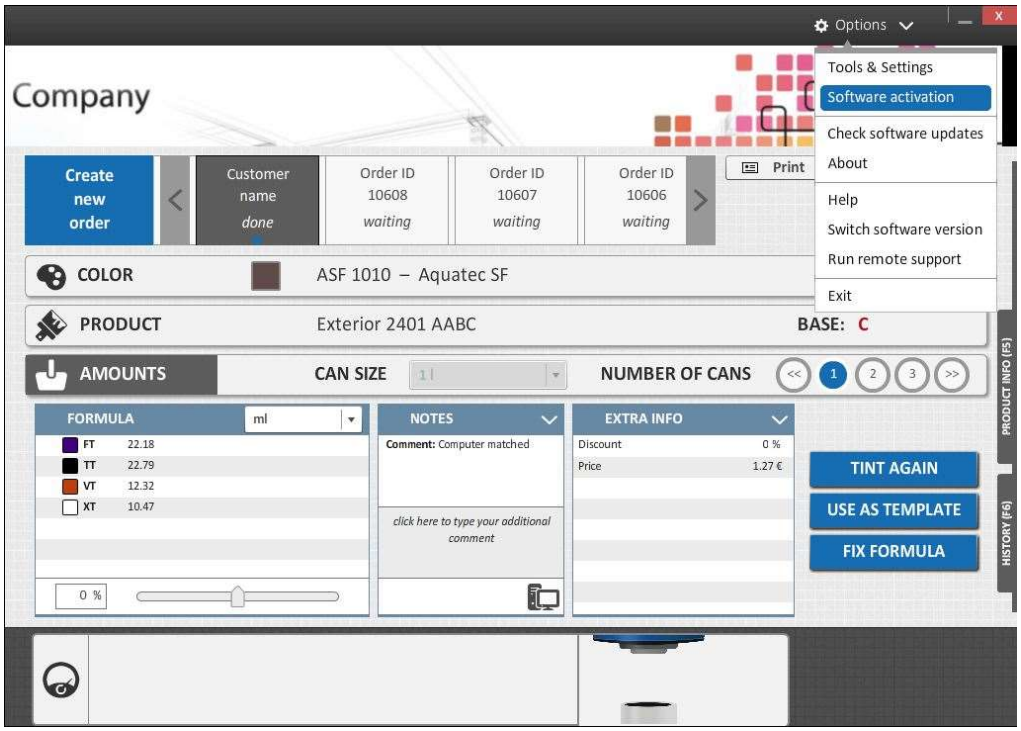
The Innovatint software can be deactivated, and the license can be retrieved. This is useful for when a computer must be replaced.

The software can be deactivated in 2 different ways:

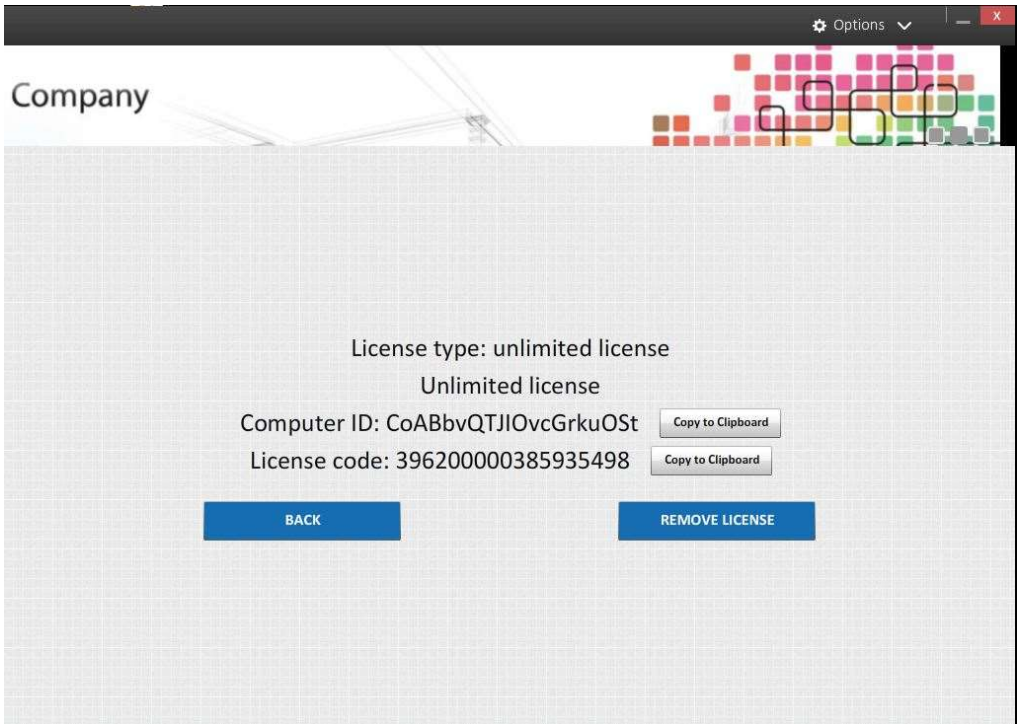
- Online deactivation
- Manual deactivation

14.2.1 Online deactivation

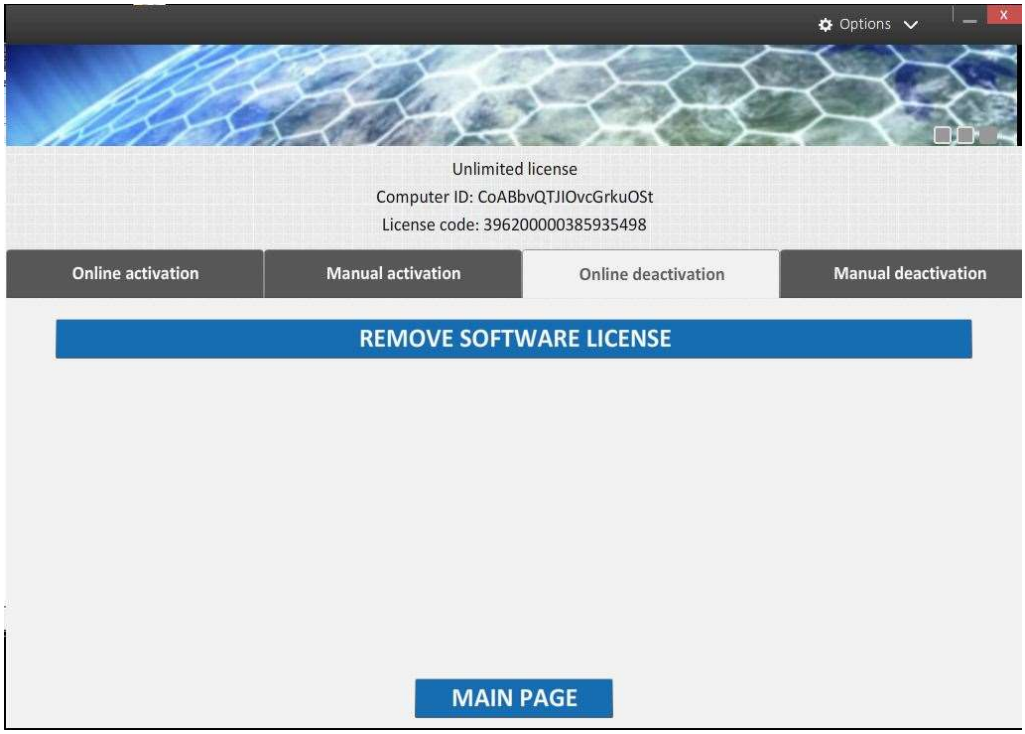
Open Innovatint and select the activation option as seen on the screenshot. Select “Software activation”.



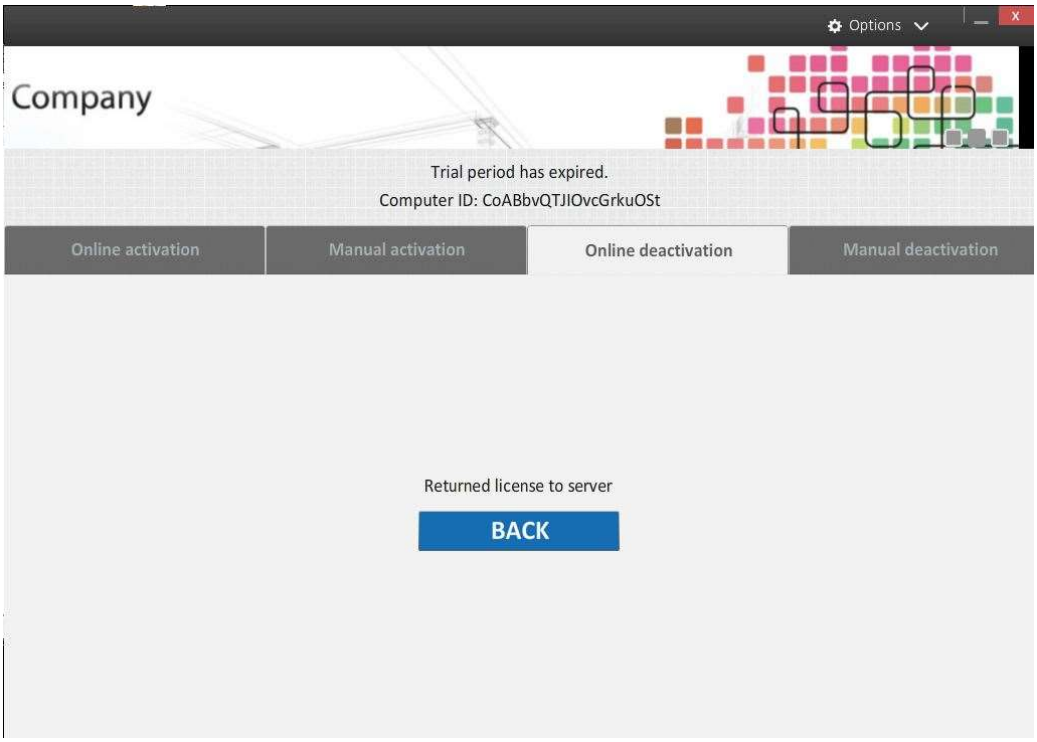
The activation window comes up giving information about the type of license. Select the option “Remove license”.

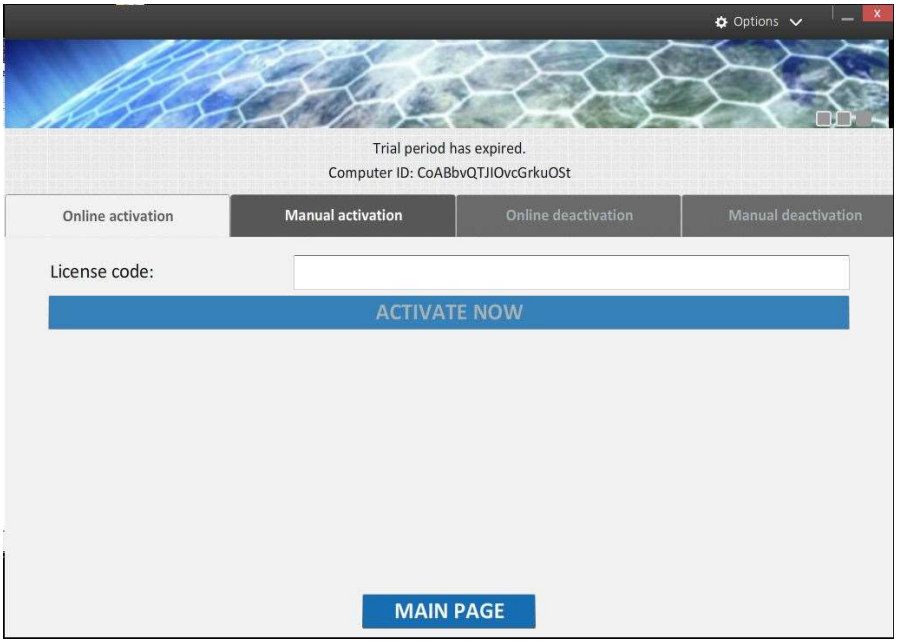


Select the option “Remove software license”.



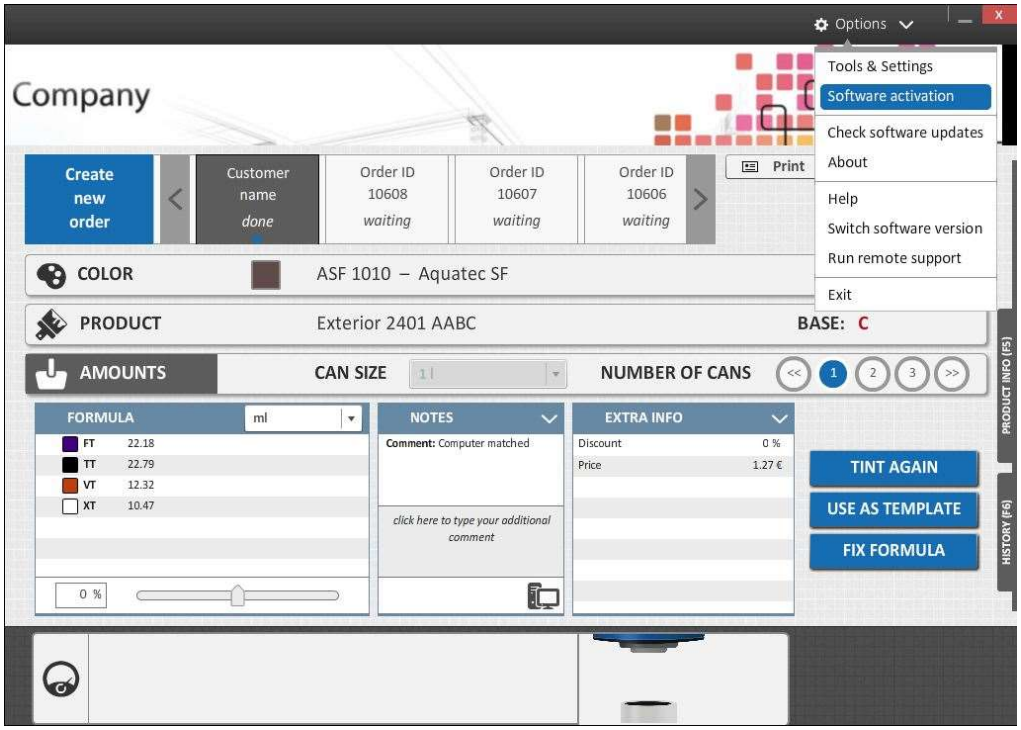
Now the license will be returned to the server.



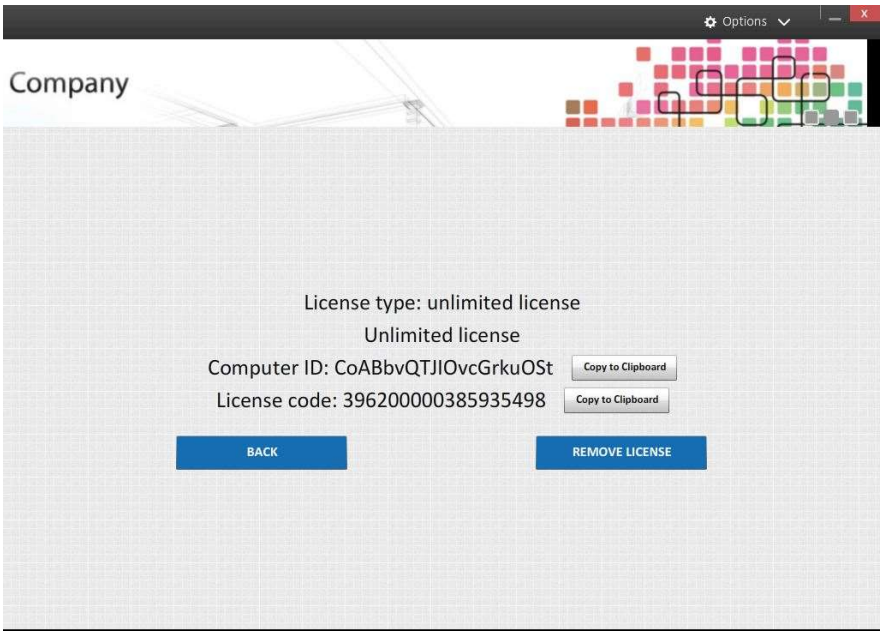


14.2.2 Manual deactivation

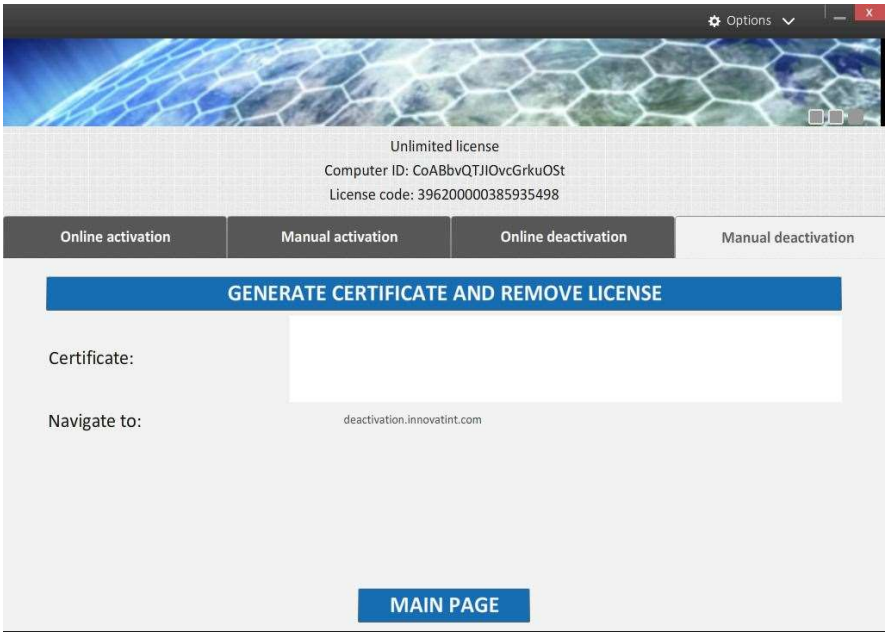
Open Innovatint and select the activation option as seen on the screenshot. Select “Software activation”.



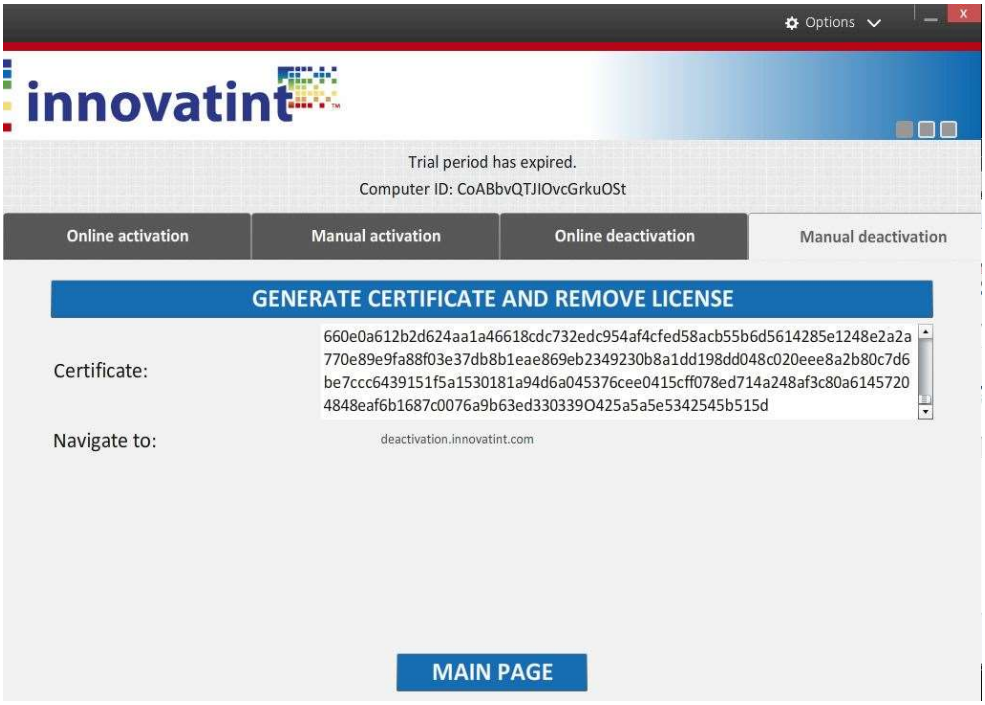
The activation window comes up giving information about the type of license. Select the option “Remove license”.



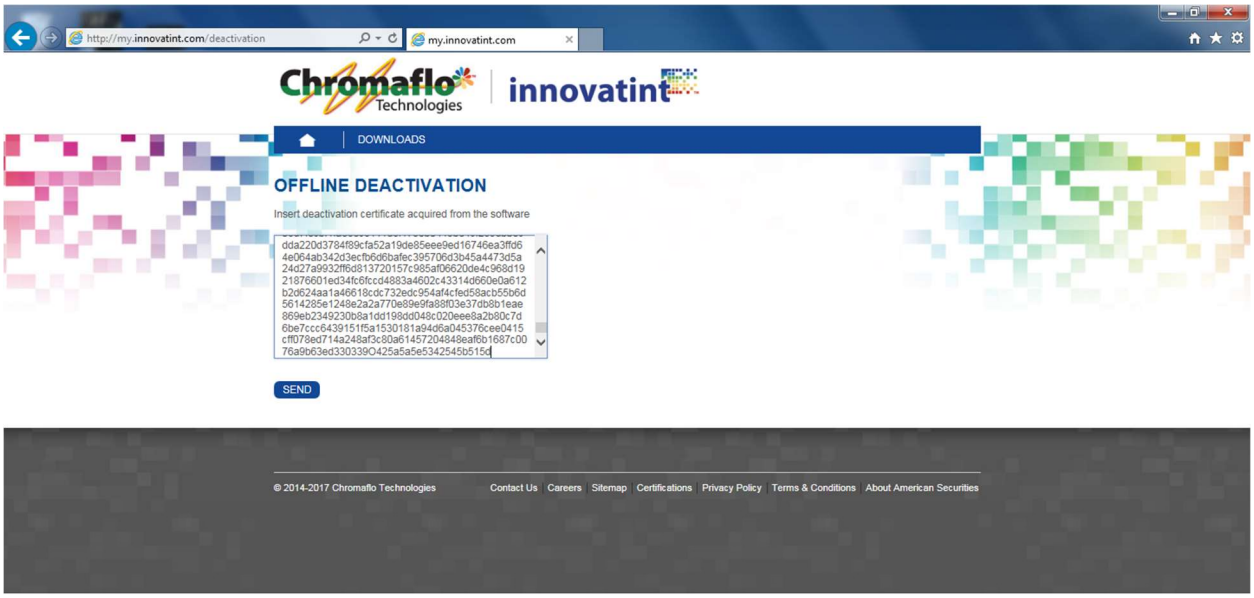
Click on “Generate certificate and remove license”. Keep in mind that when you click this button the software is instantly de-activated.



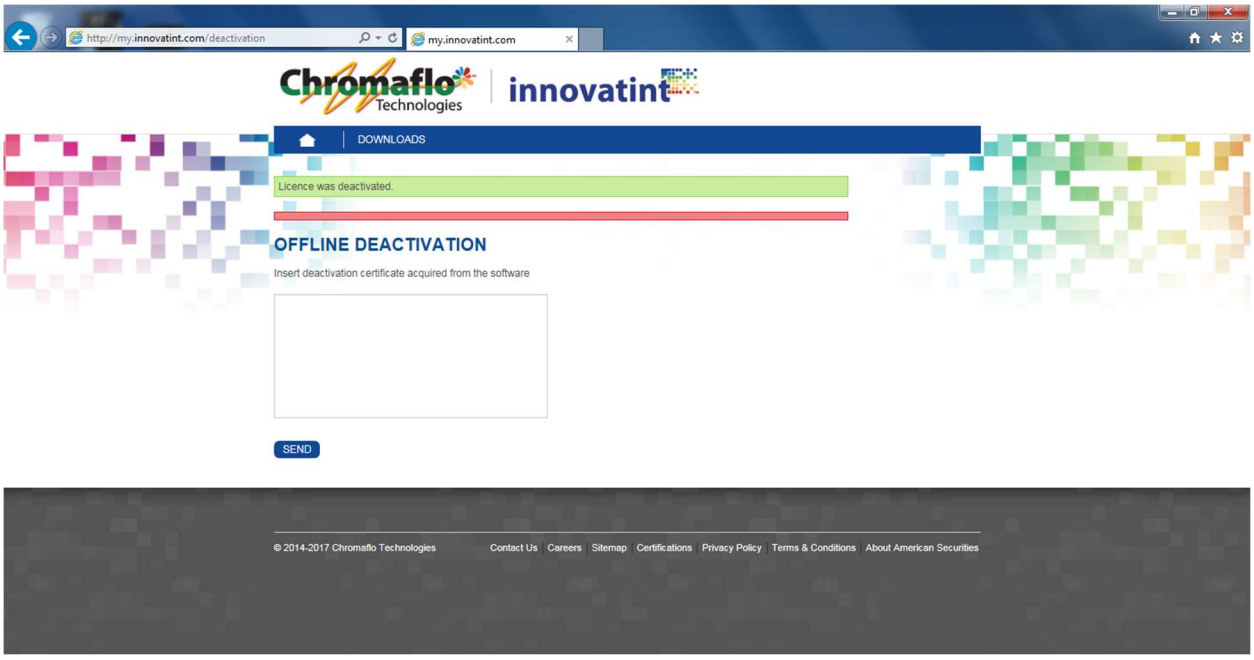
You will receive a de-activation code.



Go to the website deactivation.innovatint.com where you can fill in this code.



Click on “Send” to make the code available again for re-use. When these steps are not followed the code will not be freed and cannot be used again!



14.3 Demo mode

When installing a Innovatint P.O.S. package, the Innovatint Ultimate w/matching version is automatically unlocked for 45 days, but only when there is an internet connection available. Without an internet connection the demo mode will not work automatically, and an offline activation needs to be performed. This can be done by generating a certificate in the offline activation section without giving in a license code (leave it empty) and follow the instructions on the screen to get an unlock certificate. Also, on the activation portal no license code should be filled in, only the generated certificate should be filled in and an unlock certificate should be generated. For more information how to do this read 13.1.2. The only difference is that no license code will be given in.