
ColorCut SC7800Pro^{RS} XL

Unpack and Installation Manual



T09399A
19 March 2026

Warning:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

The product (System) which is connected to this machine will be class A

Note: The domestic environment is an environment where the use of broadcast radio and television receivers may be expected within a distance of 10 m of the apparatus concerned.

Introduction

This manual contains instructions on the operation and maintenance of this machine. To get the maximum versatility from this machine all operators should carefully read and follow the instructions in this manual. Keep this manual in a handy place near the machine.

Please read the Safety Information before using this machine. It contains information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

How to Read This Manual

Notation Conventions

Whenever necessary, the following points for attention are indicated in this manual.

Warning:

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

Caution:

Indicates a potentiality hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to machine or property.

Note: This refers to:

Remarks for making the operation much easier. You get practical hints or knowledge to assist you in the machine operation such as:

Preparations required before operating

How to prevent papers from being misfed or damaged

Precautions required or actions to take after misoperation

Limitations like numerical limits, functions that cannot be used together or conditions under which a particular function cannot be used or obtained.

Information.

Safety Information

When using this machine, the following safety precautions should always be followed.

Safety During Operation

Warning:

- Do not expose body parts, loose hanging hair or clothing to moving, rotating or cutting parts.
- If any adjustment or operation check has to be made with exterior covers off or open while the main switch is turned on, keep hands away from electrical or mechanically driven components.
- Note that components of the system and peripherals can be supplied with electric voltage even if the main power switch is turned off and the power cord is disconnected.
- Turn off the power and disconnect the power plug (by pulling the plug, not the cable) if any of the following conditions exists:
 - Objects are dropped into the equipment.
 - Liquids are spilled inside the equipment.
 - You suspect that your equipment needs service or repair.
 - Covers are damaged, loose or missing.
 - You notice unusual noises or odors when operating the equipment.
 - If the power cable or plug is worn out or otherwise damaged.
 - Before cleaning and care (unless otherwise specifically instructed).
- Do not remove covers or guards that are fastened with screws.
- Machines with open (non-covered) automatic sheet feeders pose a crush/pinch hazard. Keep away from these areas when the machines are operating.
- Machines with exposed cutting carriages and heads pose a crush/pinch hazard. Keep away from the moving carriages and ensure that these machines are inaccessible to children during operation. Never leave these units switched on without supervision.
- If an emergency stop button is on the machine – do not use the button for regular operation. It is designed for immediate stop solely for emergency situations to ensure the safety of all individuals involved.
- Electromagnetic compliance:
 - This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
 - The product (System) which is connected to this machine will be class A.

Caution:

- Always follow all warnings marked on, or supplied with, the product.
- When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).
- Disconnect the power cord before you move the machine. While moving the machine, always exercise care and make sure that the power cord will not be damaged under the machine.
- Do not move the machine while the machine is running.
- Do not open covers while the machine is running.
- Do not switch off the power while the machine is running. Make sure the machine cycle has ended.
- Lay the power cord in a way that nobody will stumble over it. Do not place things on the cord.
- Never attempt any maintenance function that is not specifically described in the product's documentation.
- Always keep magnets and all devices with strong magnetic fields away from the machine.
- If the place of installation is air-conditioned or heated, do not place the machine where it will be:
 - Subject to sudden temperature changes.
 - Directly exposed to cool air from an air-conditioner.
 - Directly exposed to heat from a heater.
- If the machine is not used over an extended period of time, it should be unplugged to prevent damage in case of overvoltage.
- Do not operate the equipment if you notice unusual noises or odors. Disconnect the power cord from the power source and call your authorized technician to correct the problem.

General Safety

Warning:

- This equipment is not suitable for use in locations where children are likely to be present.
- Only connect the machine to a mains power supply of the correct voltage with a good earth-connection; as advised by your service engineer at the time of installation. Improper Earthing of the equipment can result in electrical shock. The correct machine voltage is shown on the label at the mains power supply input on the rear of the machine. If the machine is connected to the wrong supply, the warranty is cancelled. This machine is destined for specific purpose only. Any use going beyond this specific purpose is regarded as beyond the determination. The manufacturer will not be liable for damages resulting from any use beyond the determination, unallowed operation, respectively. The user alone bears the risk.
- Do not make arbitrary changes or modifications to the machine. The manufacturer will not be liable for modifications made to the machine on your own and damages resulting thereof. The EU/UK Declaration of Conformity and the CE/UKCA mark will be invalidated if you make changes to the machine or to the individual components.
- Operators are never allowed to override or bypass electrical or mechanical interlock devices. Trained technicians are allowed to use interlock cheaters only when instructed to do so. Do not expose fingers or other parts of the body to moving, rotating, or cutting devices when running the machine with the interlock cheater installed. Do not wear ties, lanyards or other things that might get trapped into the rollers and cause injuries. Do not change, adjust, or tamper with the safety interlock devices fitted to the machine. Machine including UV-Light should never be bypassed by operator or trained technicians. Permanent eye damage could occur.
- The machine is to be used only by authorized and instructed persons. The responsibility on operating the machine must be strictly laid down and observed so that there are no unclear competences regarding safety aspects.
- Vent holes serve for air circulation to protect the machine from overheating. Make sure that the holes are not covered.
- Always locate the equipment on a solid support surface with adequate strength for the weight of the machine. Make sure the machine is located on a level floor and that there is enough work area around it.
- To protect against fire hazard, replace fuses with those of the same type and rating. Do not change fuses before the machine is disconnected

from the main power supply. Refer to the product's documentation for the correct procedure.

- Do not expose the equipment to sudden temperature variations that can cause condensation.
- Operators and technicians must be familiar with the safety information detailed in this safety pamphlet and in the product's documentation.
- To avoid hazardous situations, like for instance electric shock or danger while exposed to moving, rotating or cutting devices, do not remove any covers, guards or screws other than those specified in the product's documentation and before the machine is disconnected from the main power supply.
- Always use only the power cord intended for the machine.
- Never connect plugs unless instructed so. Never connect plugs that have a different shape / number of pins.

Note:

The indications like front and rear, left and right refer to the paper transport direction. The operator manual always has to be available at the place of use of the machine. In the interest of technical development the company reserves the right to make alterations to specifications without prior notice!

Warning:

Do not put fingers or other parts between moving parts.

1 Unpack and Installation Instructions

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1.1 Unpack Instructions



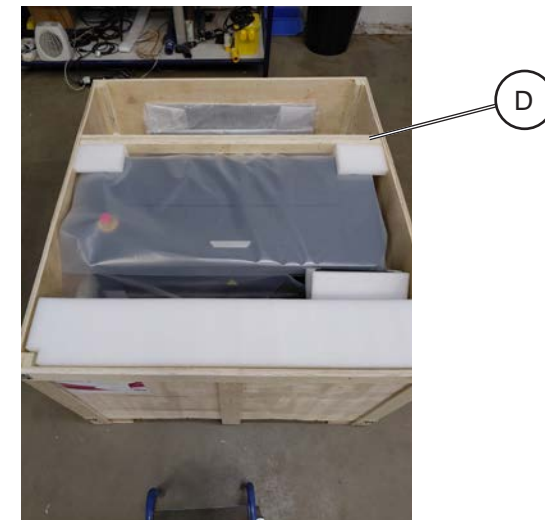
1. Remove the straps [A] and boxes [B] on top of the main crate.



2. Remove black screws on top of the lid and remove the lid [C].



3. Remove black screws along the bottom of the crate.



4. Remove the screws from the support beam and take out beam [D]



5. Remove the wrapped accessories located on sides of the machine.



6. Remove the loose protective foam blocks [E] and accessories [F] from the box.



7. Lift the crate [G] up to remove it.



8. Remove the accessories [H].

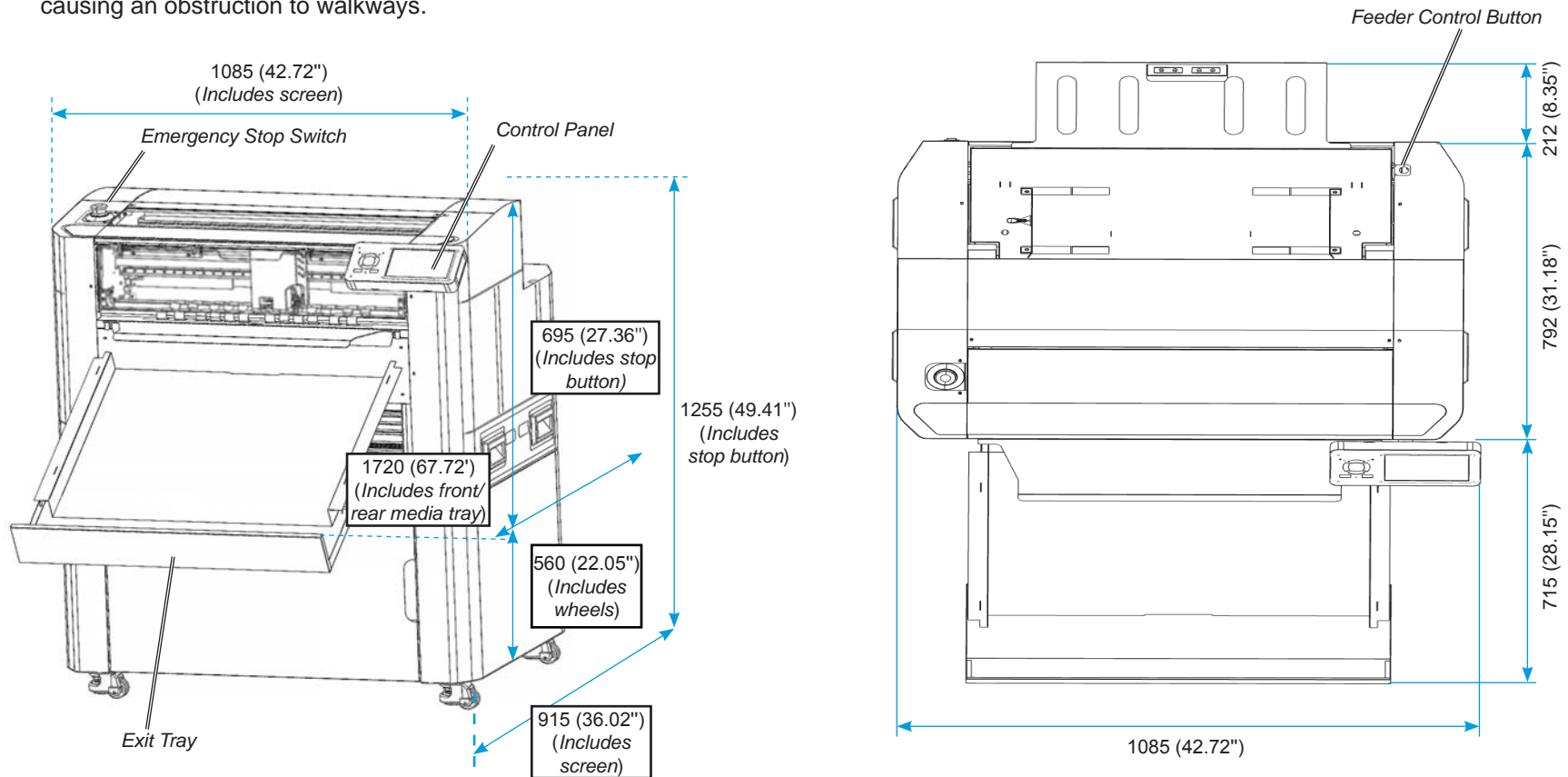
1.2 Installation Requirements

1.2.1 Minimum space requirements

1. Working space and Service area are different from machine dimensions
2. Ensure there is sufficient space at the rear of the SC7800Pro RSXL to easily load sheets and adjust the media side guides.
3. Ensure there is sufficient space above the SC7800Pro RSXL to easily press the Emergency Stop Switch in case of a problem.
4. Ensure there is space by the side of the machine to operate the control panel and the feeder control button.
5. Ensure there is space for the retractable exit tray to be opened, without causing an obstruction to walkways.

Note: Working space: The machine can be placed up against a wall or even two walls during normal operation to save space. However, it is recommended leaving enough space to be able to access the front of the machine (output / control panel) and the feeder control button.

Service access: It is recommended to have a clearance of at least 800 mm / 31.5" in each direction around the machine.



1.2.2 Power Requirements

1. Ensure that a power outlet is available nearby the system, fused to withstand the system's combined rated current.
2. The current consumption can be seen on the machine labels. For example: if the machine label says "100-240 V, 3.4-1.7 A" then the rated current is 3.4 A at 100 V and 1.7 A at 240 V.
3. Make sure to route power cords to avoid people from tripping on them.
4. Avoid using excessively long extension cords.
5. Make sure the machine is grounded.

1.2.3 Workstation Hardware Requirements

Compatible Vector Programs

| | Adobe Illustrator® * | Corel Draw® ** |
|------------|------------------------------|------------------------|
| PC Windows | CS6; CC CC 2014 - CC 2026 | X4 - X8 2017 - 2026 |
| Mac OS | CC 2020 - CC 2026 | |

*Does not support illegal copies of Adobe Illustrator

**Full version only. Does not support "Home and Student", "Essentials", "Technical Suite" edition or illegal copies of CorelDRAW

1. Multicore Intel processor with 64-bit support
2. Windows 10 Professional / Windows 11 Professional x64 bit
3. 4 GB of RAM (8 GB recommended (As supplied with ColorCut Pro Server Station))
4. Minimum display resolution: 1024x900
5. Recommended Display Resolution: 1280x960 or higher.
(Screens with resolutions such as: 1152x900, 1024x900, 1280x960, 1440x900, 1440x960, 1440x1024, 1440x1080, 1600x900, 1600x1080, 1600x1280, 1920x1080 or higher)
6. 2x available USB Ports (Note KB & Mouse often use a port each so factor this in)

Compatible OS Versions

PC Windows 10 Pro or 11 Pro – 64 bit

Mac OS version 10.11 (El Capitan) - Mac OS version 26 (Tahoe)

1.3 Installation Precautions

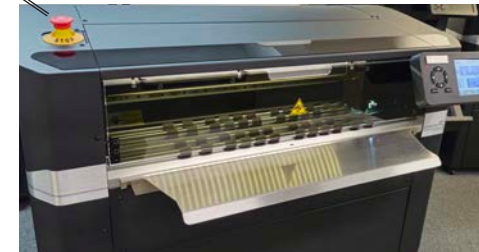
Safety measures

Please read the information and safety measures carefully prior to installation and initial operation of the unit.

- Do not place any magnetic objects in the vicinity of the cutting head; otherwise uniform contact pressure may not be ensured.
- Do not remove the connection cable to the computer while cutting is in progress.
- Relieve the pressure on the pressure rollers when not in use by moving the pressure lever up.
- Do not open or reach into the unit when it is connected to electricity supply.
- Never open the casing and do not make any modifications to the unit yourself.
- Ensure that neither liquids nor metal objects are put inside the SC7800Pro RSXL.
- Ensure that the wall socket used is grounded.
- Ensure that the connected voltage (100-240V) does not deviate by more than $\pm 10\%$. Otherwise install a voltage stabiliser.
- Remove the power plug from the unit if it will not be in use for a longer period of time.
- Never reach into the unit in the vicinity of the blade holder during the cutting operation.
- Stop any cutting jobs in progress before re-adjusting the blade holder.
- Always ensure that the Auto Sheet Cutter remains inaccessible to children during operation and never leave the unit or individual parts of it switched on without supervision.
- Do not touch the tip of the cutting blade to avoid injury.
- Always place the unit on a stable base or use the supplied stand to prevent it from falling down.
- Disconnect from the power supply during thunderstorms; it can be damaged or destroyed by electrical surges caused by lightning.
- Do not sit or step on the stacker tray. Stacker will break or machine will tilt over. The maximum load for the stacker tray is 15 kg.
- Do not open covers while the machine is running.
- Do not move machine while the machine is running.
- Be cautious when the top lid is open. Prior to accessing the interior, always ensure that the cutter is turned off and disconnected from power supply.

- This equipment is not suitable for use in locations where children are likely to be present.
- Do not use emergency stop button for regular operation of the Cutter. The emergency stop button is designed for immediate stop solely for emergency situations to ensure the safety of all individuals involved. To reset the emergency stop button rotate it clockwise direction and pull it back upwards to its original position. The emergency stop button should only be reset after addressing and resolving the emergency condition that triggered its activation.

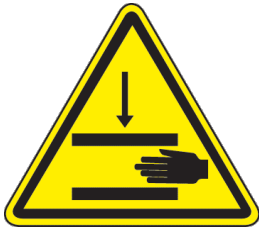
Emergency stop button



Safety measures, continued

Warning: PINCH / CRUSHING HAZARD!

There are “Pinch Hazard” stickers on the SC7800Pro RSXL to remind the user to pay extra caution when the machine is running:



- Do not ever put your hand under vacuum belt area while machine main switch is ON. Vacuum feed belt goes up and down. Hand or fingers can be crushed.
- Paper load table goes up and down. Do not load while machine is running.



- Keep fingers and hands away from the moving carriage. The carriage change direction quick and have lot of force.
- Keep the cover closed while running.
- Keep hair away from the outfeed area. Hair entanglement hazard.



- Keep fingers and hands away from moving parts underneath in top of the storage area.

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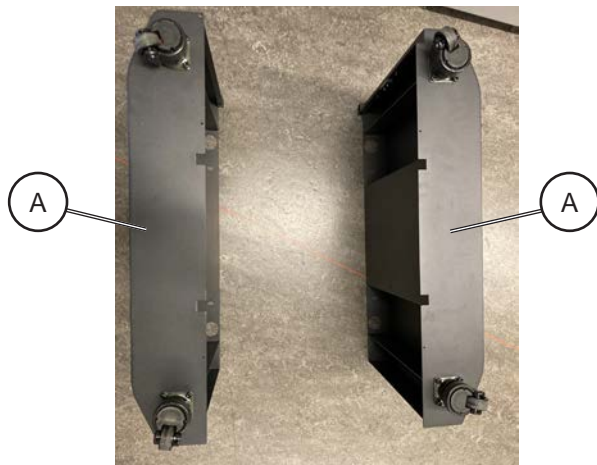
1.4 ColorCut Installation

1.4.1 Accessory check

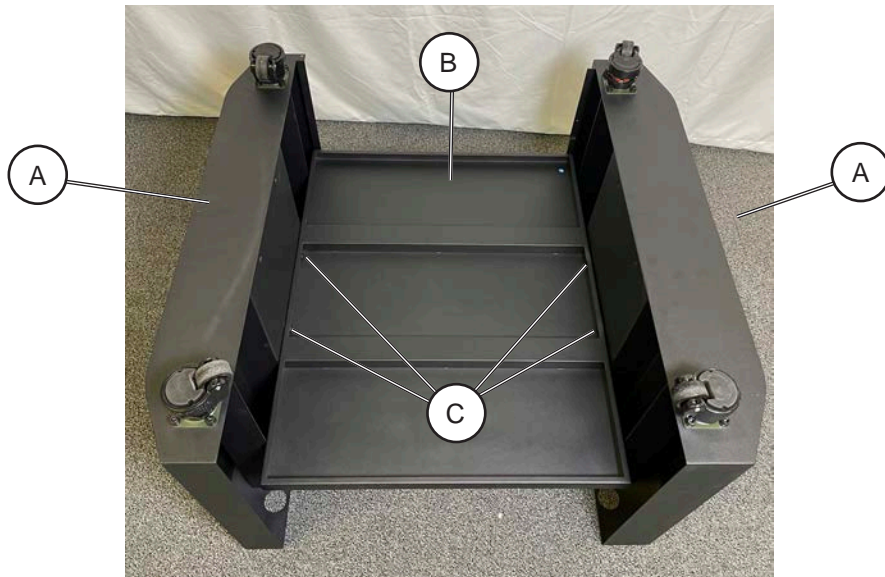
| Item | Qty | Description |
|------|-----|--|
| 1 | 1 | Left Side Frame |
| 2 | 1 | Right Side Frame |
| 3 | 1 | Front Filler Strip |
| 4 | 2 | Central Support Brace |
| 5 | 1 | Tag Reduction Plate |
| 6 | 1 | Front Door |
| 7 | 1 | Accessory box (incl. USB Cable, Ethernet Cable, Power Cable, Calibration Pen Tool, Blade Holder, Tangential Wheel Holder with Tangential Wheel & Blades), Side Guide locking foot, Allen key |
| 8 | 1 | Stand Assembly Box (incl. Allen key, Spring Washer, Washer, Bolts, Screws) |
| 9 | 1 | Back stop |
| 10 | 1 | Operating software |
| 11 | 1 | Safety instructions book |



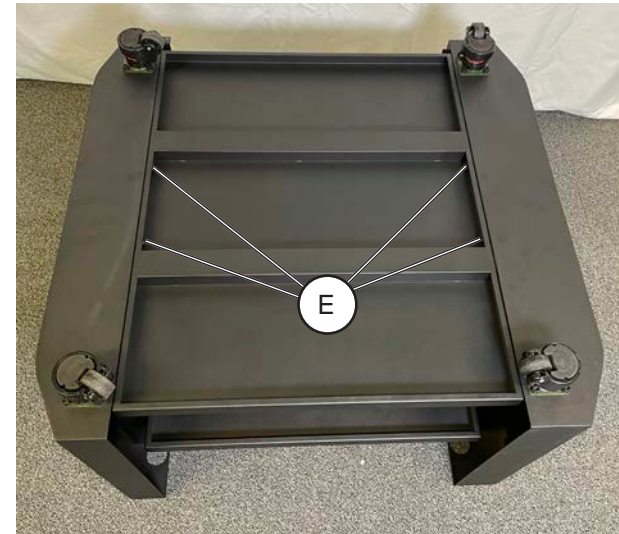
1.4.2 Cutter preparation



1. Take the side frame pieces [A] and place them with the casters upwards.



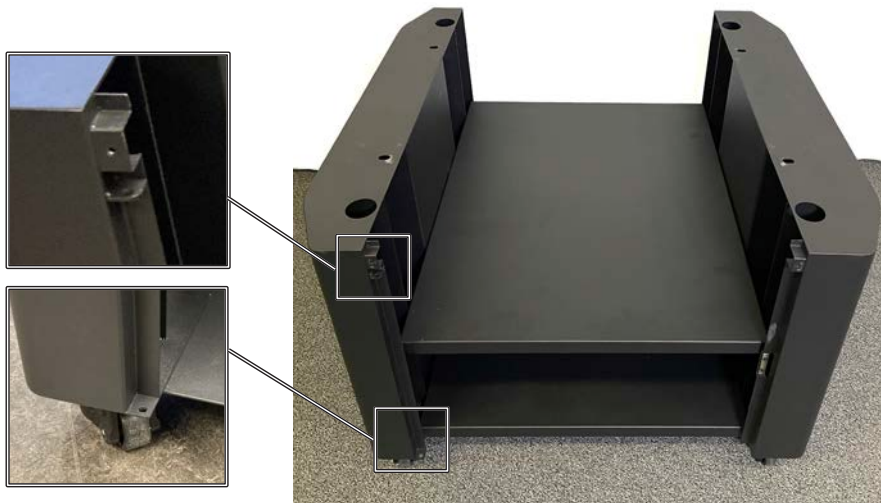
2. Place the Central Support Brace [B] in between the side frame pieces [A]. Using the bolts (4x) and spring washers (4x) hand tighten the support brace to the side frames [C], then fully tighten all fixings.



3. Place the base panel [D] onto the bottom of the stand, align all fixing holes and screw it loosely in place using bolts and spring washers (4x) [E], then fully tighten all fixings.



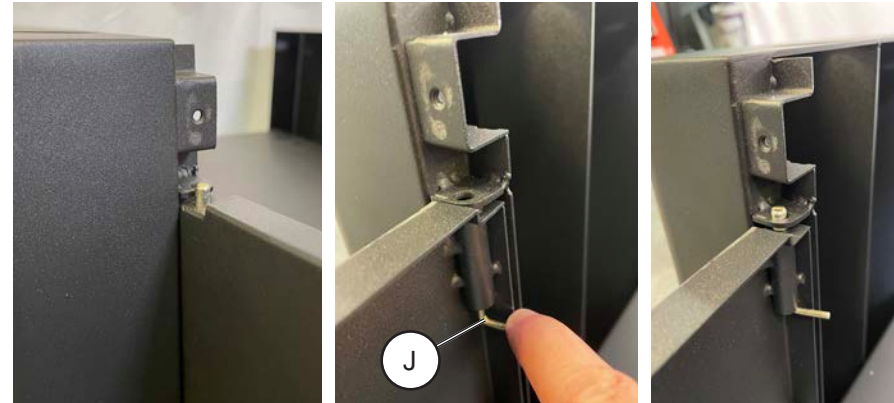
4. Turn the assembly over with casters on the ground.



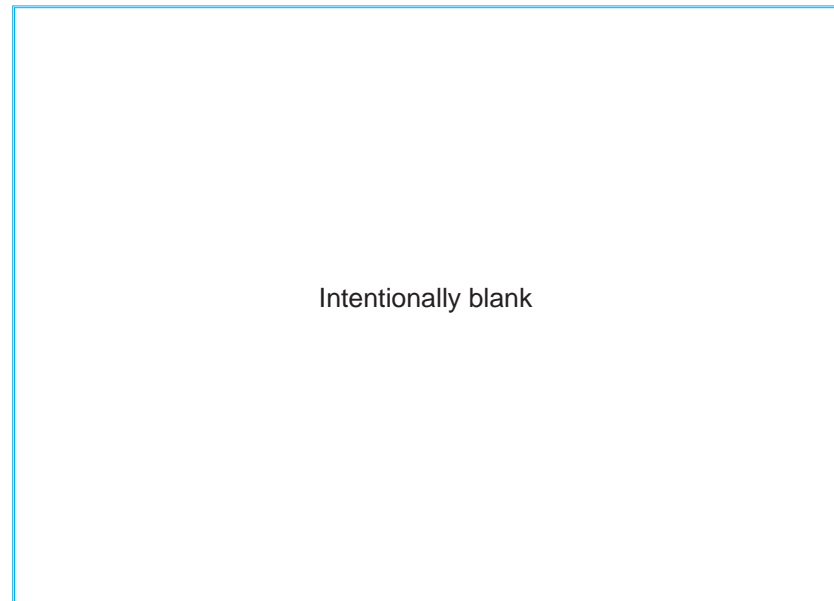
5. On the left side of the unit locate two holes for door piece. Locate bottom pin and top sprung pin on the door piece.



6. Place the bottom pin [H] of the door into the bottom slot [I].



7. Push down the sprung loaded pin [J] on the door, slide the hinge into the frame. Once positioned, release so the pin locates in the hole.



Caution:

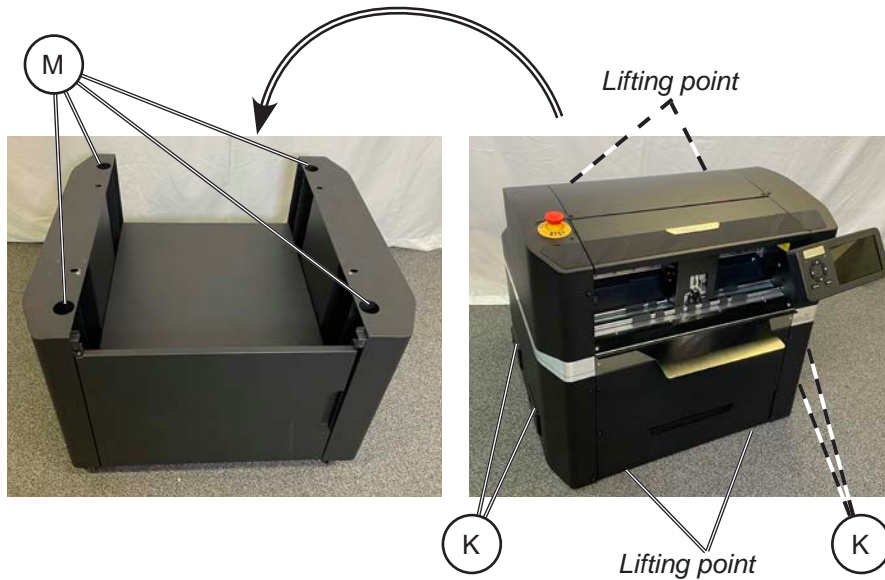
It is recommended that minimum of four people carry out this task.

Warning:

Do not lift the unit from the bottom, please use the handles (K) on the sides!

Pinch risk:

Keep fingers away from base of the cutter when being lowered!



8. The main unit has rubber feet (4x) [L] that match with holes (4x) [M] on the support unit; these serve as guides to ensure that the main unit is properly placed on top. Carefully lift the main unit by handles [K] with one person on each side and one at front and back and place it onto the support unit.

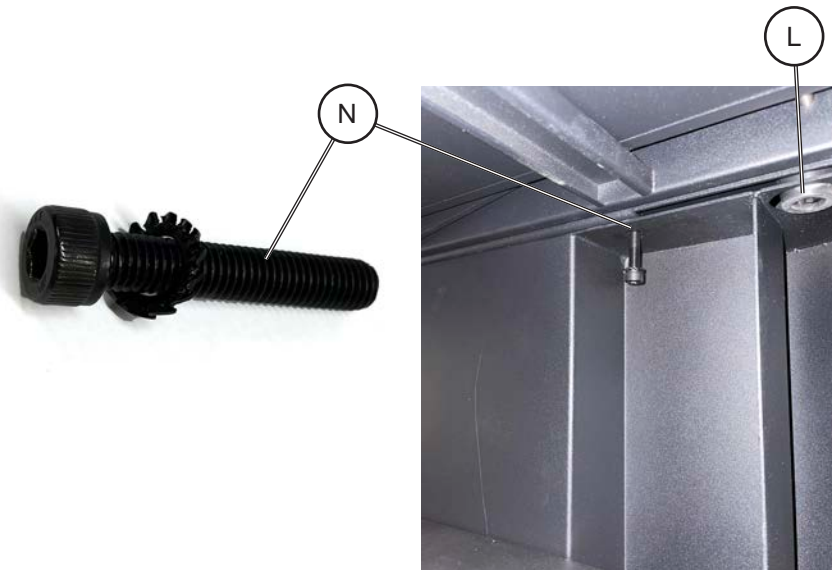


9. Once the top half of the cutter is on the stand, secure the top to the stand. To do so open the door and reach inside the machine.

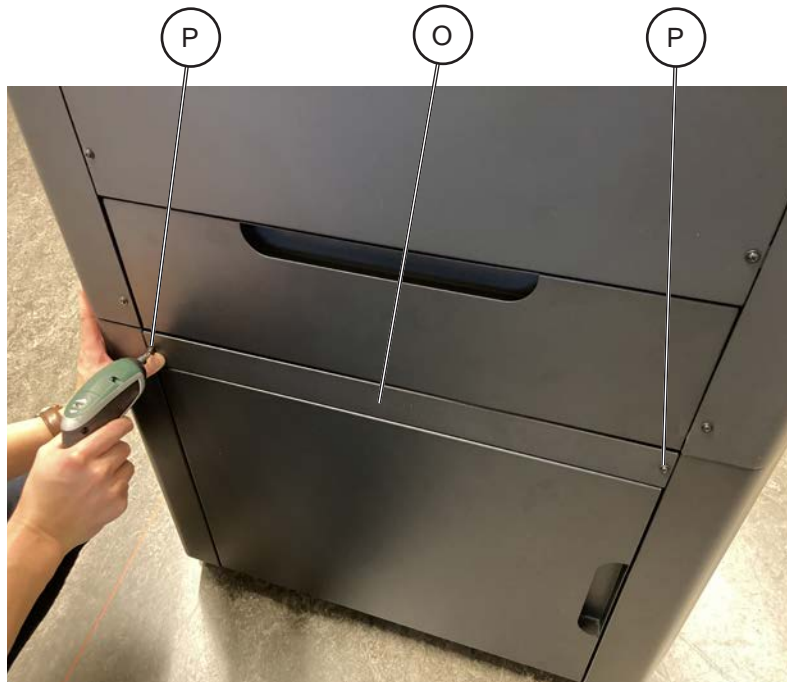
Caution:

Avoid topple risk!

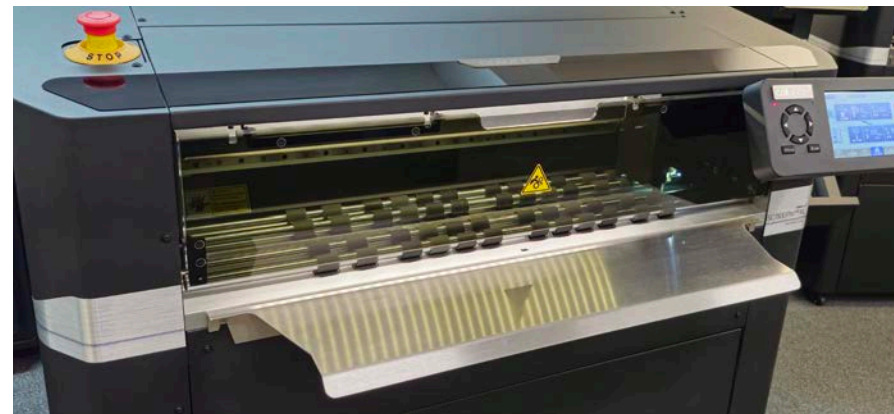
Cutter must be bolted securely to the cabinet stand.



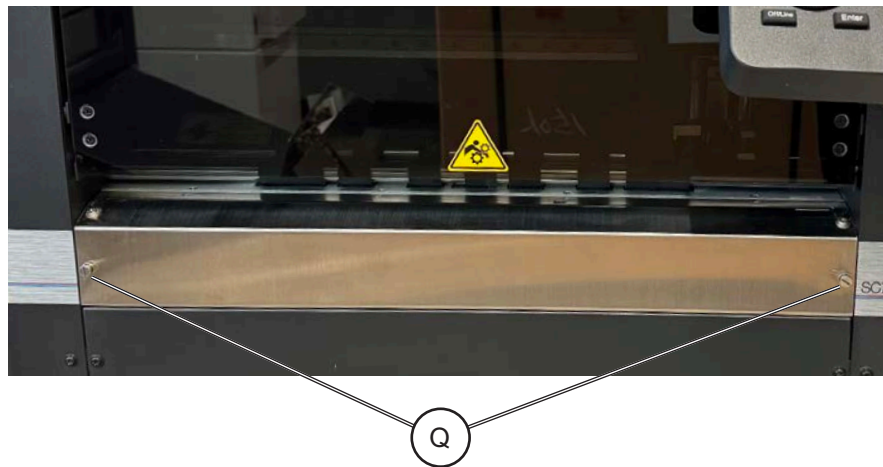
10. Locate screw holes on the sides and install bolts and washers (4x) [N].



11. Retrieve Front Filler Strip [O] and install it above the door with screws (2x) [P].

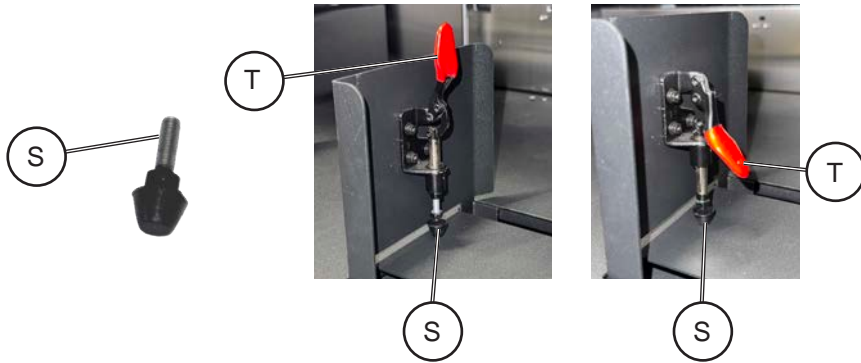


13. Retrieve Tag Reduction Plate [R] from accessory box and slide it on to the screws (2x) [Q].

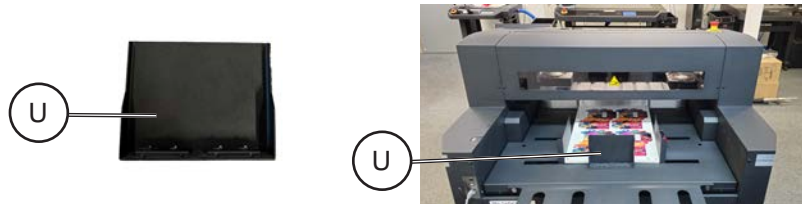


12. On the outfeed side locate screws (2x) [Q].

Note: Tag Reduction Plate is a removable extension that provides more support to the sheet being moved back and forth. This means the sheet stays flatter and sections of the cutout are less likely to pop out of the sheet. This allows for less tabs or in some cases, no tabs will be required at all, hence increasing productivity of the machine. See operator manual for more details.



14. Install the side guide locking foot (S) by inserting it into the designated threaded hole at the base of the side guide. Rotate clockwise to secure firmly. Once the side guide is positioned at the required width, disengage the clamping mechanism (T) and verify that both side guides are locked in place.



15. Install the magnetic Back stop (U) onto the rear panel of the machine. Ensure that it aligns properly and attaches securely via the magnetic base.



Note: The back stop can alternatively be mounted onto the auxiliary table. To deploy, extend it by pulling it outward from the rear panel.

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1.4.3 Fuse replacement (if required)

Warning:

Make sure the power cord is unplugged before replacing the fuse!

The SC7800Pro RSXL is shipped with a F 7.5 A fuse installed.

This fuse works in 100-240 Vac environments.



Procedure:



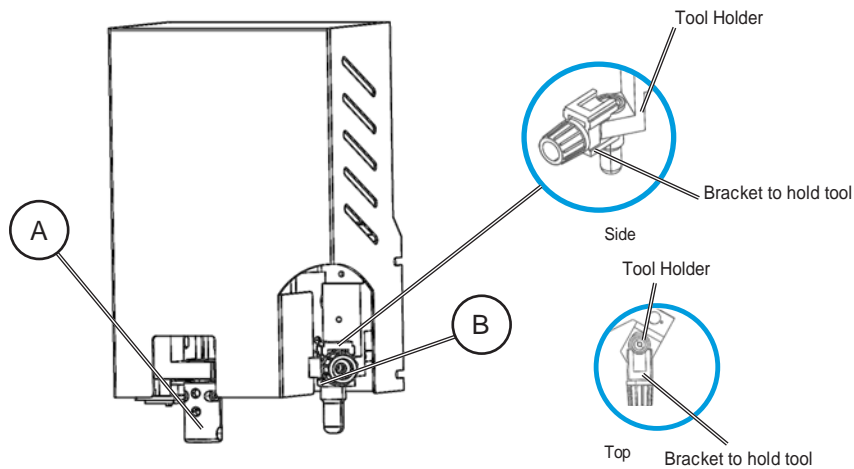
1. Open the inlet filter fuse holder cover.



2. Replace the fuses [A] (2x).

1.4.4 Tool Carriage and Tools installation

The tool carriage is mounted on a bar, located at the front of your SC7800Pro RSXL cutter that spans across the cutting area. The Tool carriage contains two tool holders, each independently controllable. Each Tool holder enables you to install or switch easily and efficiently between a range of tools.



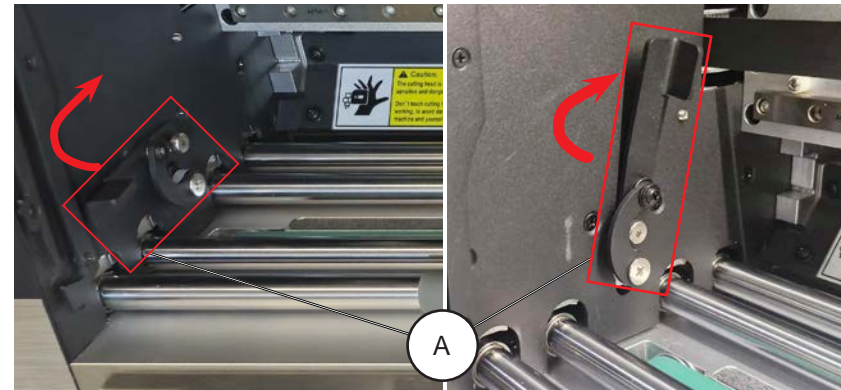
Tools may include a blade holder, or multiple blade holders if required, a creasing wheel and a pen for calibration.

Tool Holder Position 1 [A] is position for the Active Tangential creasing wheel.

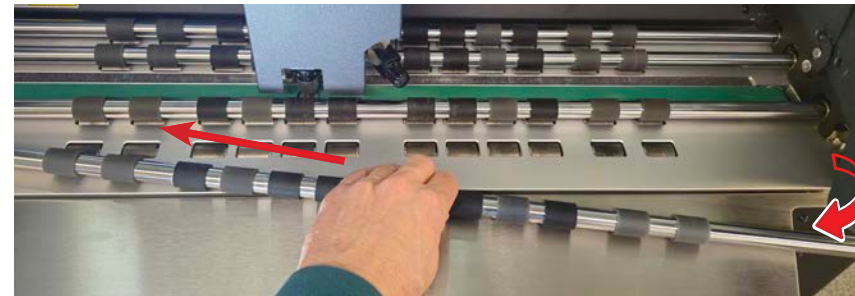
Tool Holder Position 2 [B] is position for blade holder and cutting blade.

Tools installation

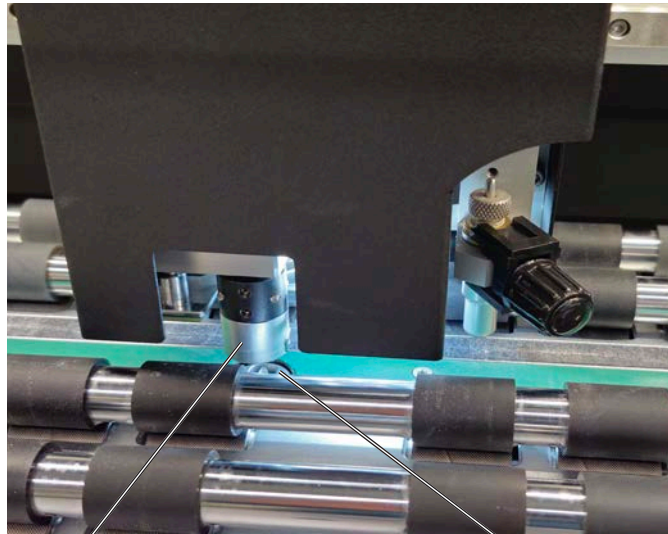
Tool position 1 - Tangential Creasing Wheel



1. Release lever clamps [A] on both sides



2. Move the Front Grip Roller left (in to the SC7800Pro RSXL chassis) 5 - 10 mm then diagonally move the opposing (right) end of the Grip bar out from the Right side (of the SC7800Pro RSXL chassis) and then diagonally up and out of the cutter.



Tangential creasing wheel [A].

Creasing Wheel (Upper Groove Assembly) (B).

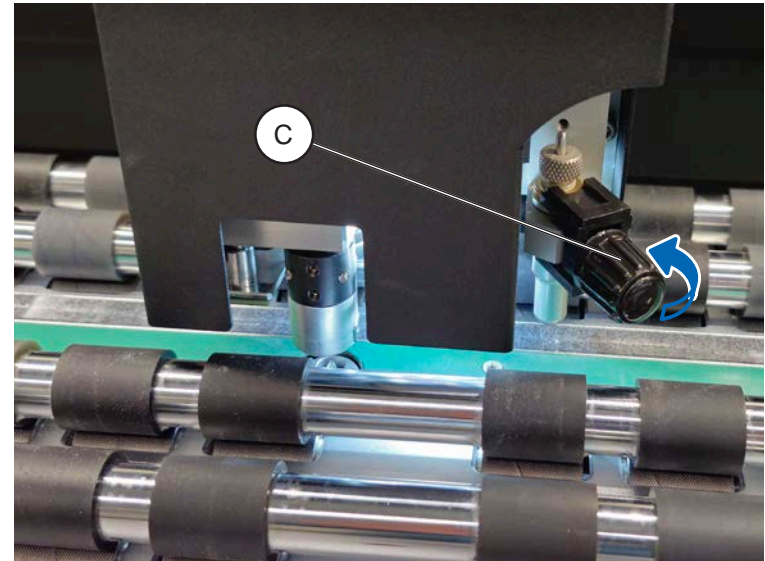
B

A

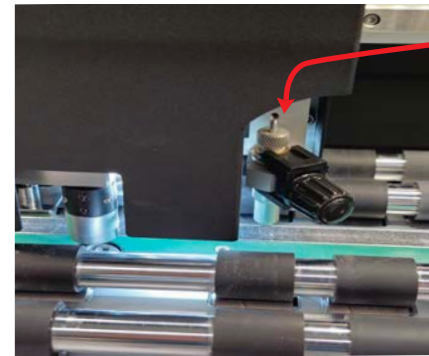


Note: The SC7800Pro RSXL comes with pre-fitted 0.95 lower position creasing wheel (A) and a upper position female creasing groove (B).

Tool position 2



1. To install a tool into SC7800Pro RSXL loosen the tool holder's thumb screw [C] sufficiently to enable a blade holder to be inserted in Tool position 2 up to its flange.

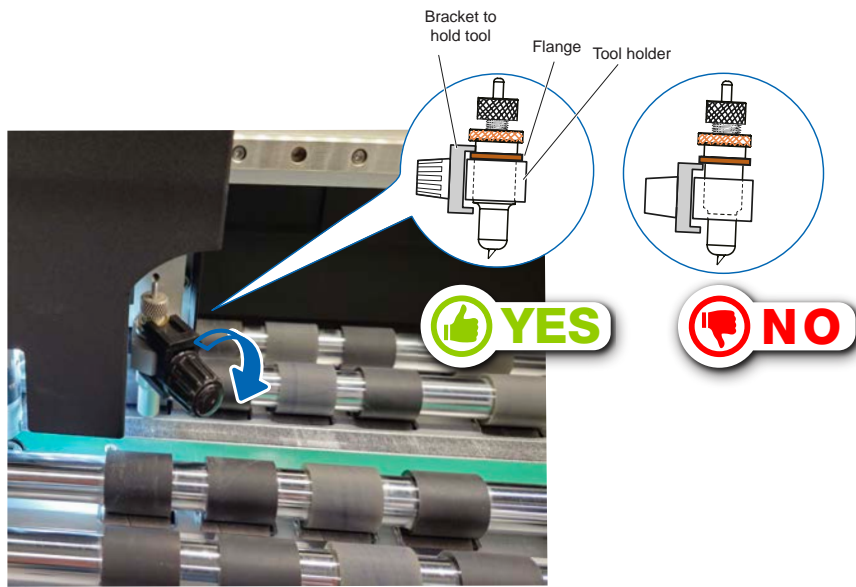


Cutting tool (blade holder)



Calibration pen

2. Push the Blade Holder or Calibration Pen all the way into the tool holder position 2 until the tools' flange completely touches the upper part of the holder.



3. Make sure that the tool bracket is engaged on top of the tool's flange, and then tighten the screw.
It is important, the Bracket to hold the Tool, is over the Flange as this will hold the tool down. (If the Flange is above the bracket that holds the tool, the tool height will be incorrect and the tool may gradually move up during operation).

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1.5 Software installation

The ColorCut Pro software is a professional cutting package that creates cutting files directly from Illustrator or CorelDRAW using the vector lines you have drawn. ColorCut Pro communicates directly with your cutter and ultimately cuts your jobs.

There are two installation versions of ColorCut Pro, a plug-in (which requires Adobe Illustrator® (MAC or PC) or CorelDRAW® (PC)) which creates the cutting jobs directly from your vector lines and can either send your jobs directly to the cutter (PC only) or create a cut file that can be retrieved at any time using a QR code (automatically added to the sheet) (MAC & PC clients) then users can cut a different computer (acting as a production server).

ColorCut Pro Software for your ColorCut Cutter is supplied on the included CD, however it may also be downloaded from Plockmatic Customer Center or scan the QR code provided to access MyFinisher website.



Note: ColorCut Pro requires a Minimum display resolution: 1280 x 960.

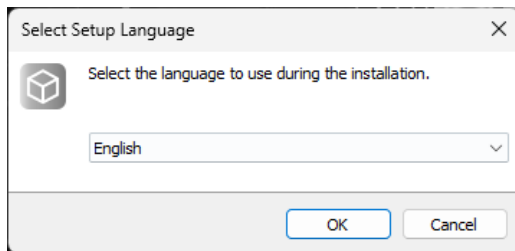
Note: If a Server Station is purchased, all Software will already be installed. Skip to Section 1.6.

1.5.1 ColorCut Pro Installation

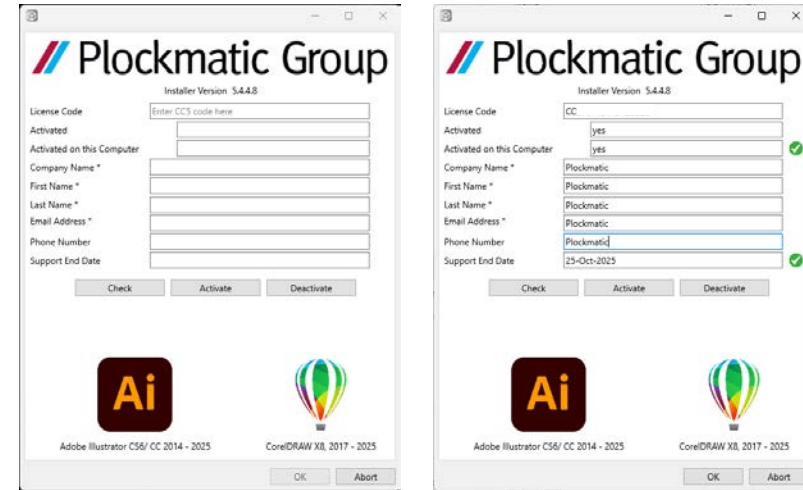
1. Run the installation program: SetupColorCutPro.exe

The setup program requires various confirmations for the installation of the program.

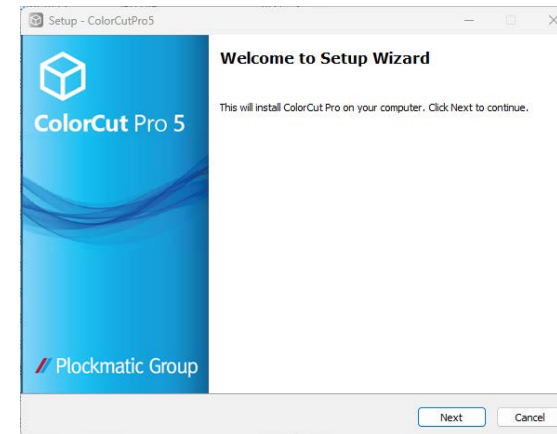
On some computers you could be asked the system administrator's password to execute the installation, in the case you do not have this information; contact the technician who administrates your system.



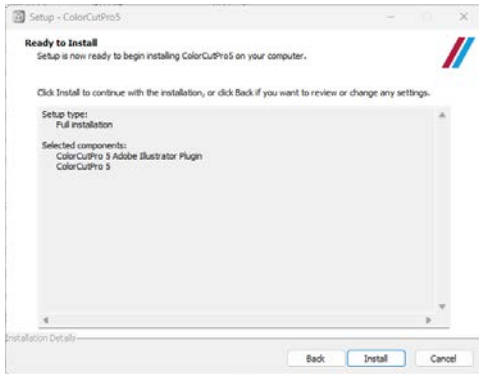
2. Select preferred language and click [OK] to proceed with installation.



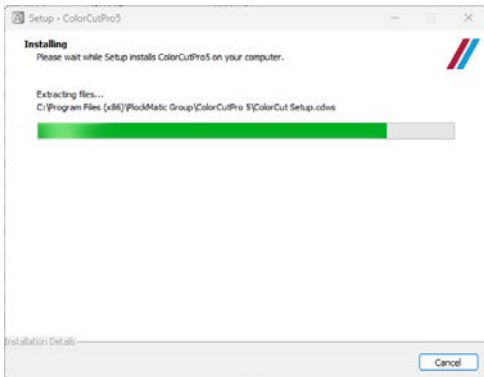
3. Enter the License code from the card supplied with your ColorCut Pro software and fill out your details. Click [Activate].



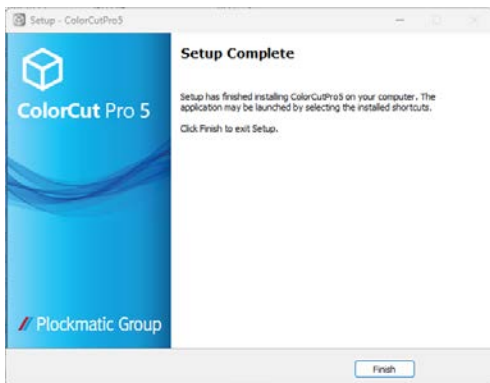
4. Click [Next] to proceed with ColorCut Pro installation.



1. Click [Install] to continue with the installation.



2. Wait until the installation is complete.



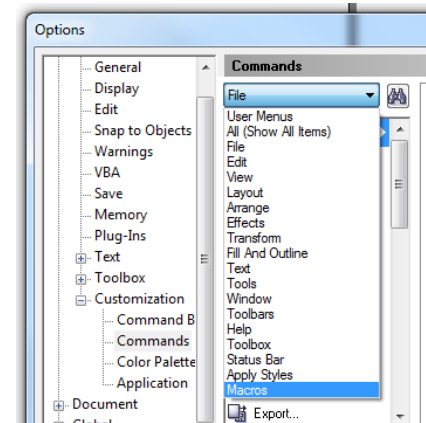
3. Click [Finish] to finalize installation.

ColorCut Pro installation for CorelDraw

Skip this section if you have installed ColorCut Pro for Adobe Illustrator.

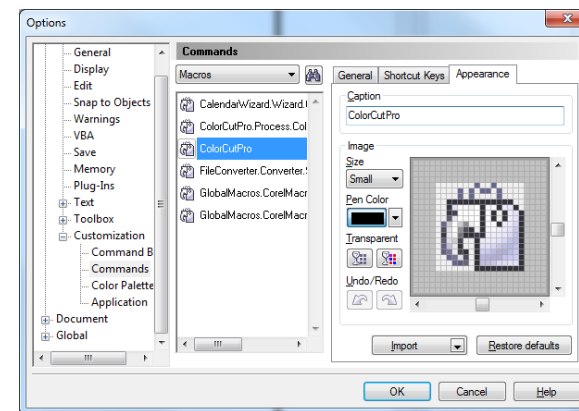
As part of the ColorCut Pro installation, the plug-in's to CorelDRAW are installed, however you need to add a shortcut into CorelDRAW.

1. Open CorelDRAW then click on the Tools menu, and select Options.
2. From the Options dialogue box, select: Customization and under this, click Commands
3. In the panel on the right, select macros from the drop down menu.
4. Select either:
 - colorcutpro.process.
 - colorcutproall
 - colorcutpro.process.colorcutpro

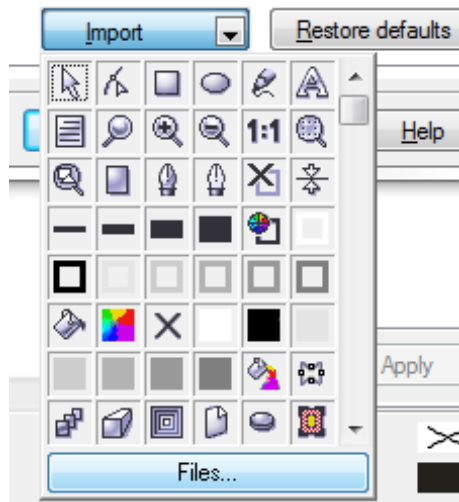


The 'colorcutpro.process.colorcutproall' version exports the entire drawing however the desired way to work is with layers

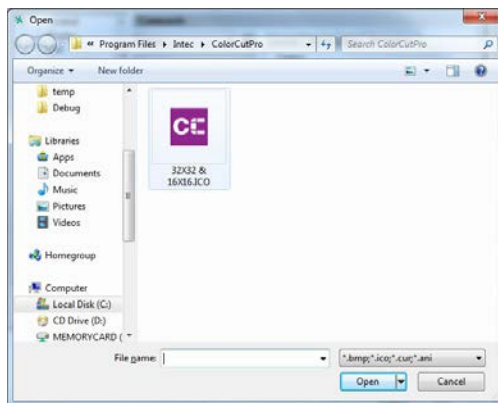
The 'colorcutpro.process.colorcutpro' version only exports the currently selected layer. Unless you want to export the entire drawing. If you are unsure, we recommend using the 'colorcutpro.process.colorcutpro' version.



5. On the appearance tab menu (Under caption), change the name to ColorCutPro. This is the name that will appear on the menu.



6. On Appearance tab, click [Import].
7. From the [Import] drop down, select [Files] at the bottom.

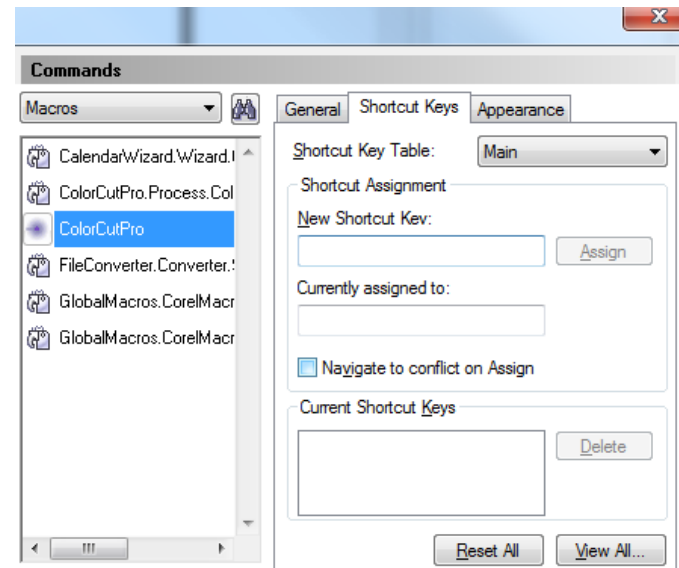


8. Navigate to:

| | |
|------------------------------|---|
| For 32bit users of CorelDRAW | C:\Program Files (x86)\PlockMatic Group\ColorCutPro 5 |
| For 64bit users of CorelDRAW | C:\Program Files\PlockMatic Group\ColorCutPro |

and select the icon as shown.

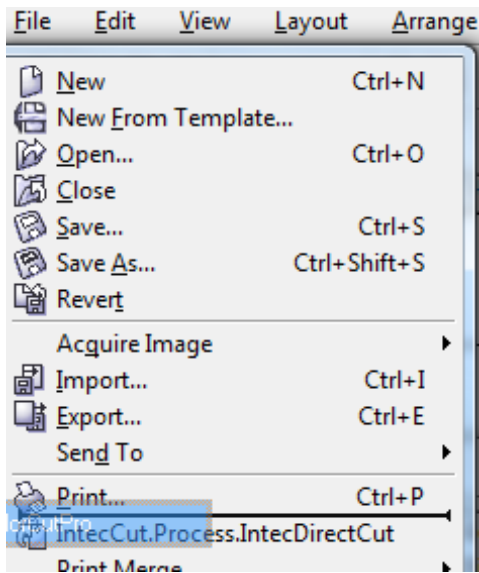
The file path may alter.



9. Open Shortcut Keys Tab. Place the mouse cursor at New Shortcut Key input field and click then hold down the Alt key and type C.



10. To add ColorCutPro icon to your tool bar click on the ColorCutPro Command from the Macro list, press and hold the left mouse button and drag the icon next to the printer icon on the tool bar and release.



11. To add the ColorCut Pro plug-in to your File Menu next to the Print item, press and hold on the Command name again at point, Click and hold the left mouse button and drag the icon until you position the mouse over File Menu, which will pop open the file drop-down menu.
12. Then move the mouse to next to the print button without releasing it and let go of the mouse button. You should now see the ColorCut Pro menu option appear.

Installation of CoreIDRAW is now complete, continue on to the next section.

Intentionally blank

1.6 Connecting and powering on the cutter

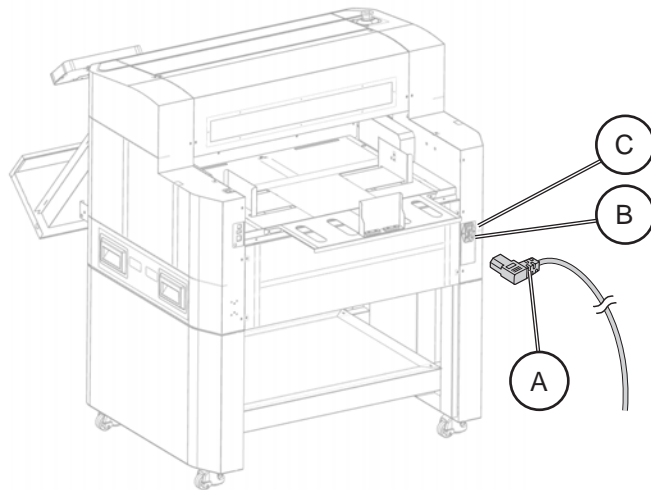
1.6.1 Turning on the cutter

Warning:

Before connecting the machines to the power supply, make sure that each cover on each module has been reinstalled and that any part of the machine that was disassembled during installation was put back in place. Do not connect the machines to the power supply if covers are off or if any module is (even partially) disassembled. Make sure you use a proper grounded plug in the wall outlet. Never plug in the module to a non-grounded plug.

Warning:

Before turning on the machines, make sure that each cover on each module has been replaced and that any part of the machine that was disassembled during installation was put back in place. Do not turn the machines on if covers are off or if any module is (even partially) disassembled.



1. Securely plug the power cord [A] into the mains socket [B] on the rear panel and connect to an electrical outlet of the specified voltage.
2. Turn on the power using the mains switch [C].
3. After the Warning screen appears on the LCD panel, press the Enter key. This action will prompt the cutter head to automatically return to its Home position. Once it reaches the Home position, the cutter will be in an Online state, fully prepared and ready for use.

1.6.2 Connecting to computer

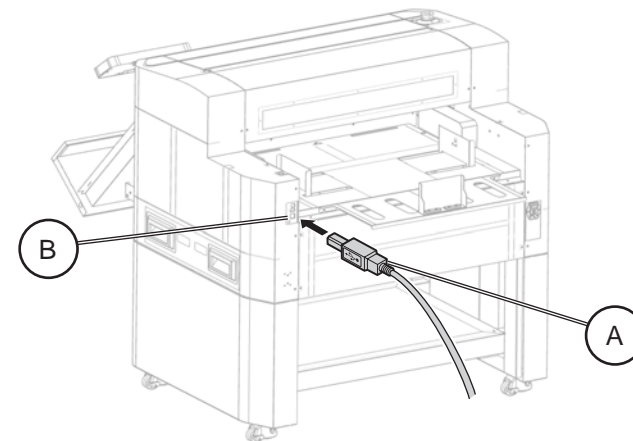
The ColorCut Pro software includes the USB and Ethernet drivers built into the software. There is no need to install any additional drivers.

Note: Operation can not be guaranteed in the following circumstances:

- 1) When connection is made through a USB hub or an add-on USB board.
- 2) When you are using a custom-built computer that has been modified.

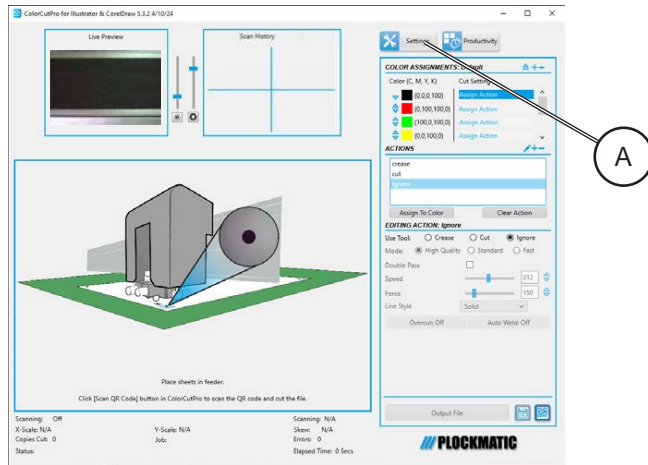
For optimal results, please ensure the following:

- Do not connect or disconnect the USB/Ethernet cable while you are installing the Color Cut Pro software.
- Do not connect or disconnect the USB/Ethernet cable while starting up the computer.
- Do not connect or disconnect the USB/Ethernet cable while switching on the cutter.
- Do not disconnect the USB/Ethernet cable within a 5 second period of connecting it. (It does not always recognise the fact it was subsequently disconnected and won't reconnect again until you power-cycle both devices)
- Do not disconnect or connect the USB/Ethernet cable while you are cutting a job, or while data is being transferred.

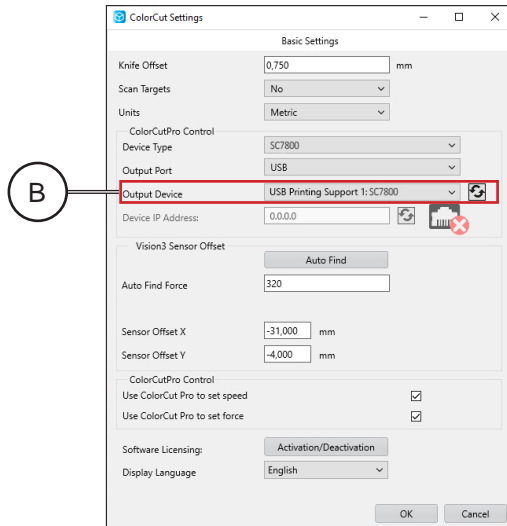


- Plug the USB cable [A] into the USB socket [B] on the rear panel and connect to your Windows PC; or plug the Ethernet cable into the socket on the rear panel and connect to your Ethernet socket.

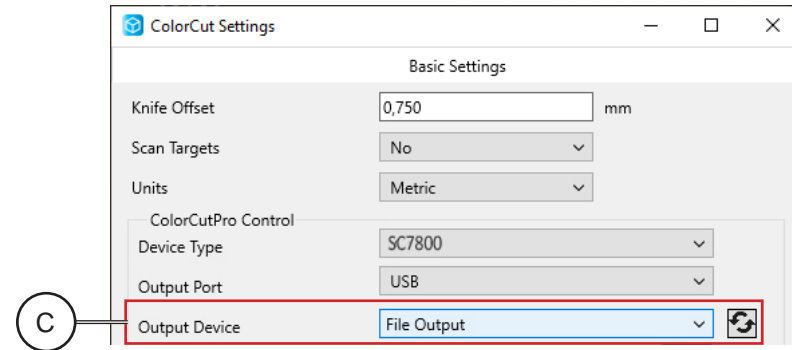
1.6.3 USB or Ethernet Connection confirmation



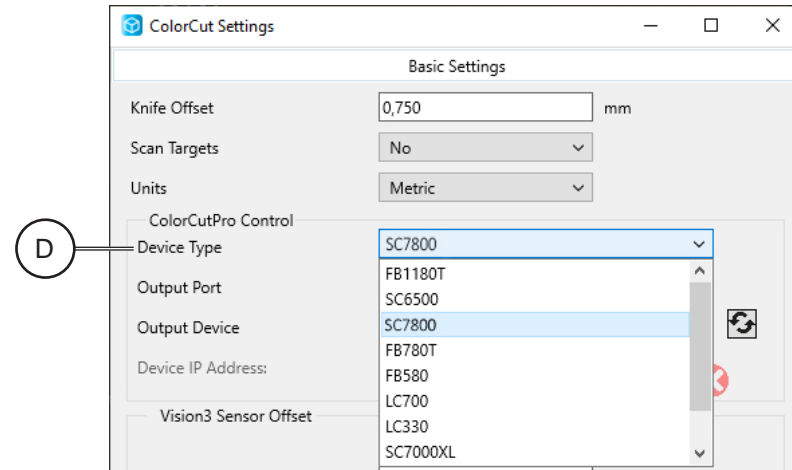
1. Launch ColorCut Pro.
2. When the ColorCut Pro application launches, click on the Settings button [A].



3. The ColorCut Pro Settings dialogue box will appear.
4. If the connection to your cutter is successful then under the Output Device option you will see the term 'USB Printing Support: x', where 'x' is your cutter type, or 'Ethernet Direct connect'[B].



5. If the Output Device shows, [File Output] then switch off the cutter and wait 10 sec. Unplug the USB cable from your computer, and try a different port, then switch back on the ColorCut engine. Wait until the Home screen is displayed on the SC7800Pro RSXL LCD panel. Repeat steps 1 to 4.



6. After confirming successful connection, select Device Type SC7800Pro RSXL from drop-down menu [D].
7. Click [OK] to confirm and close the settings dialogue box.

1.7 Checking the installation

1.7.1 Test Cut

The Test Cut function allows you to check your blade depth/force settings on your ColorCut SC7800Pro RSXL cutter and perform calibration of Align Tool2 to Tool1.

Warning:

Do not press [TEST CUT] until you have loaded a sheet of media and moved the tool carriage into a clear area on the media, away from the far right side of the cutter (see following steps). The Test Cut function will draw a Diagonal (Diamond shape) using Tool 1 and a Square using Tool 2, at the tools' current location. If you press [TEST CUT] without moving the Tool Carriage away from right side, then the display will show an error message (due to the fact the Test Cut function would require the tool carriage move right into the side of the cutter to perform a Test cut and this is not permitted). If you see this error message press [Enter] on the control panel and move the carriage away from the right side. Please follow the steps below to perform a Test Cut.

Note: The Test screen is very useful for checking your blade depth and the pressure/force used during cutting, prior to starting a job.

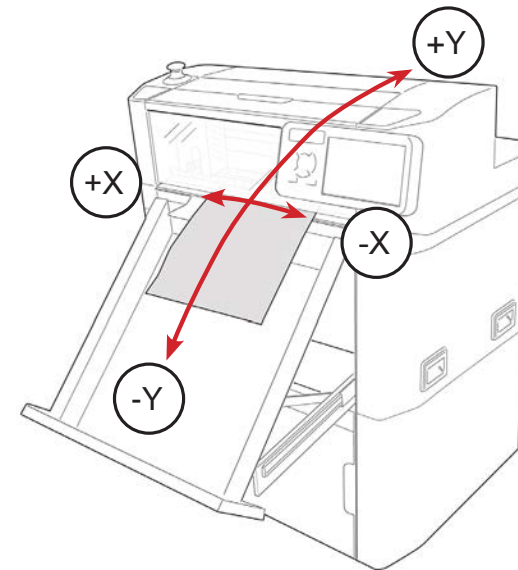
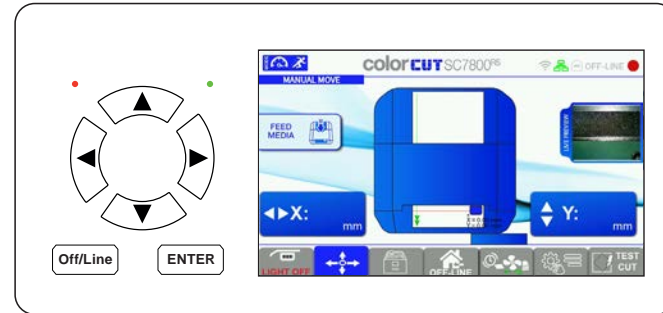
After the Blade tool has been loaded and you have manually adjusted the blade depth to a level you believe is correct. Load a sheet of your media, and perform a test cut, following the instructions below. Then adjust the blade and pressure accordingly. Checking and adjusting the settings for

Performing a Test Cut to check depth/force:



your specific media prior to a production saves time and eliminates waste.

1. Place a blank sheet of paper in the feeder.

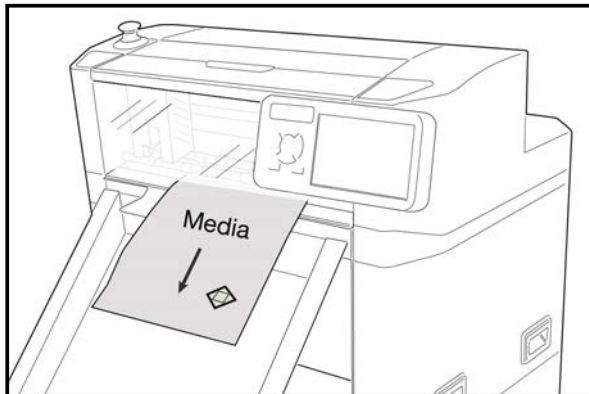


2. On the main screen press [Feed Media] button, that will feed the media to the rollers and move the carriage over the sheet.
3. Make sure the carriage is positioned in clear area with approximately 25 mm of space (1") available in either direction around the Blade Tool's position.
4. If there is not enough clear space then, press the [MOVE] tab button on the display:
 - Press the Up/Down arrow buttons on the key pad to move the media feed rollers (Which will move media backwards (+Y) / forwards (-Y)).



- Press the Left/Right arrow buttons on the key pad to move the tool carriage across the media in +X or -X directions.

5. Press [TEST CUT] button. The SC7800Pro RSXL will now draw a Diamond



Shape using Tool1 (The creasing tool) and cut a Square around the Diamond shape using Tool2 (The blade).

6. The SC7800Pro RSXL will then eject the media forwards so you can check the cut quality/depth and pressure. If you are cutting Through the media (Die-Cutting), then please remember the least amount of blade possible will provide the best result.

Note: The minimum level of exposed blade will provide the best quality on sharp inverted turns and extend your cutting strip life. Too much Blade, will

result in the Blade cutting through your media and cutting into the cutting strip. This will reduce your blade life, create poor quality cutting on sharp inverted turns and damage the cutting strip reducing the cutting strip life.

7. Check the test cut on the ejected sheet. If the cut depth is not sufficient or it is too excessive, select the appropriate tool (e.g., Tool2) and adjust the force using the Left and Right arrow keys on the panel until the material cuts correctly.

| Result | Action |
|---|---|
| Cuts through card with pressure < 220 g | Too much blade exposed. Remove blade holder, reduce blade exposure, and test again. |
| Cannot cut through card with pressure > 450 g | Not enough blade exposed. Increase blade exposure and test again. |

Note: cutting pressures higher than 450 g may be used for metallic materials, PET and vinyl's.

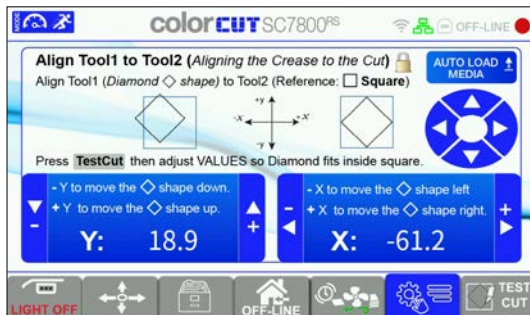
- Use the following guidelines to adjust blade exposure based on the cut results:
- When new settings are applied, repeat the test cut until the desired cut is achieved. There is no need to move the carriage while performing a new test cut since the carriage will shift to the left side each time a new test cut is performed.

Test cut using pen tool in position 2 to calibrate Tool2 to Tool1:

Note: The machine comes from the factory with TS2 and TS1 already calibrated. However, it is important to know how to do this and confirm the calibration.

Note: Prior Tool2 to Tool1 calibration the Calibration of the Vision3 sensor offset to the Cutting Blade (Section 1.7.2) must be done.

1. Retrieve the calibration pen tool from the accessory kit and install it in Tool Holder 2;
2. Repeat steps 1 to 4 from 'Performing a Test Cut to check depth/force';
3. Press [Test Cut]. The SC7800Pro RSXL will make crease shaped as a Diamond using Tool1 and a Square around the Diamond shape using Tool2;
4. The SC7800Pro RSXL will then eject the media forwards so you can check the alignment of the drawn shapes. Evaluate if the Diamond is in the middle of the square;



5. If the shapes does not align, on LCD panel enter Settings and Options menu and open 'Align Too2 to Tool1' calibration screen.
6. To unlock and adjust the values, press and hold the Padlock icon until it unlocks.
7. Using arrow buttons on key pad adjust the coordinates of the Diamond shape:
 - Press the Up/Down arrow buttons on the key pad to move the diamond shape up (+Y) or down (-Y).
 - Press the Left/Right arrow buttons on the key pad to move the diamond shape right (+X) or left (-X).
8. To apply new settings, press [ENTER] on key pad, repeat the test cut and evaluate the alignment of both shapes. Repeat procedure until the desired alignment is achieved (Diamond fits inside the square).

1.7.2 Calibration of the Vision3 sensor offset to the Cutting Blade

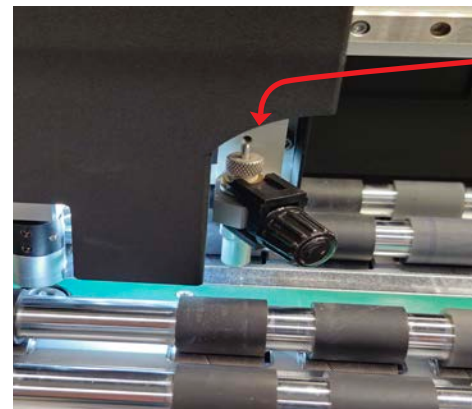
The ColorCut SC7800Pro RSXL engine includes a Vision3 sensor which is an 8th Generation ARMS system (Automatic Registration Mark Sensor). The Vision3 sensor uses a CCD camera to automatically detect registration marks, the position of the registration marks on your sheet allows ColorCut Pro to compensate for any scale or skew errors and adapt cutting lines enabling highly accurate cutting to elements printed on the media.

The Vision3 sensor is mounted offset to the cutting blade holder, so your ColorCut Pro application must be calibrated to compensate for the offset (distance) from the Sensor to the cutting blade.

Note: The sensor offset value is stored within the software application, so if you plan to use multiple machines, you must set the sensor offset on each computer therefore, if you are using ColorCut Pro Job server, on a different computer as a production machine, you will need to set it on that machine also in order to cut accurately.

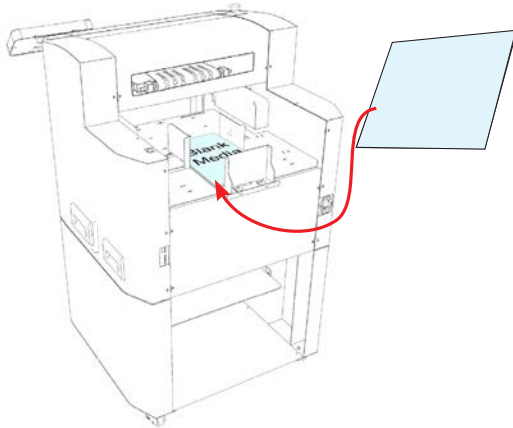
Calibrating the Vision3 camera offset is done by the software automatically. (It can be done manually if you want to).

To use the AutoFind feature to set the Vision3 sensor offset, use the Pen Calibration Tool [A]. The pen tool is used to draw a circle, the centre of which is used to define to point of the cutter blade, then the Vision3 ARMS sensor reads the location of the circle and the software calculates the offset automatically.

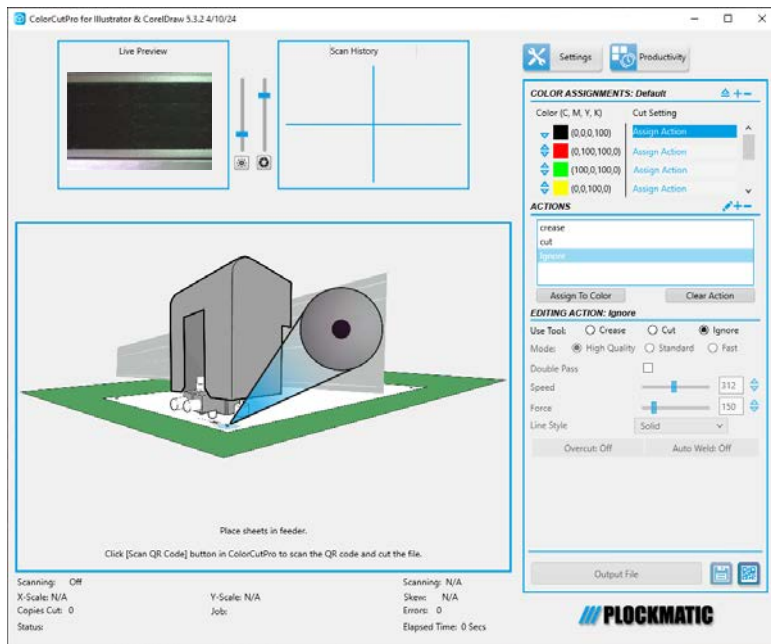


Calibration pen

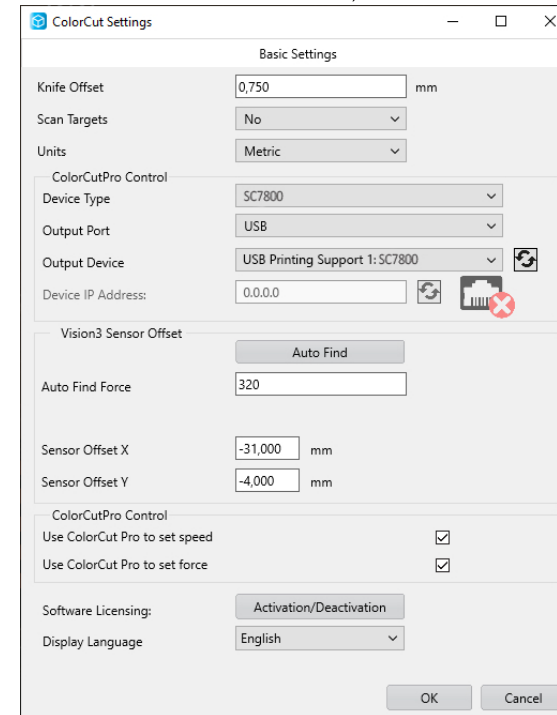
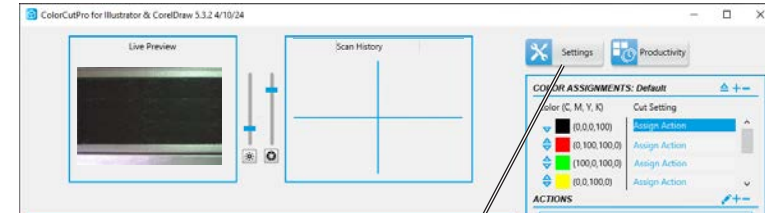
1. Place the Calibration Pen Tool [A] in to Tool Holder 2 [B].



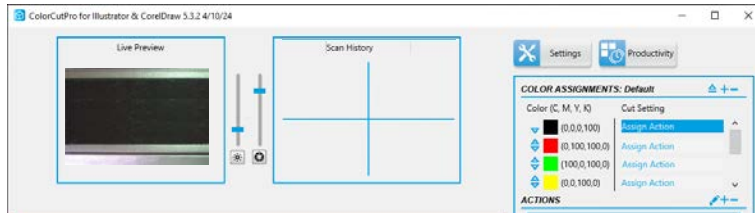
2. Load blank paper sheet(s) into the media tray. Adjust the self centering side guides to the edges of the media. Ensure they are not too tight against the side of the media.
3. Make sure the Cutter is connected to computer via USB or Ethernet (Section 1.6.2)



4. Launch the ColorCut Pro application from your computer.

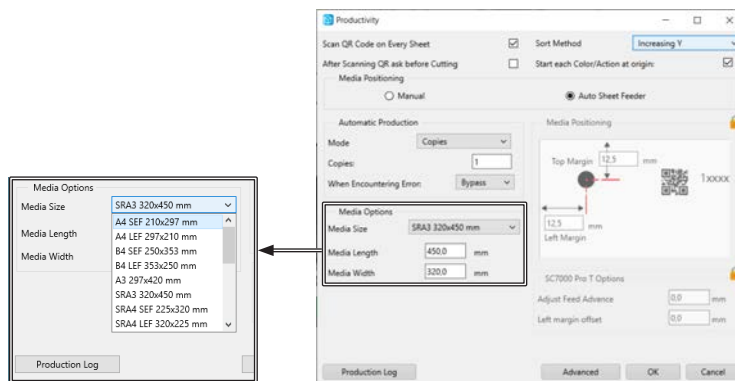


Note: If the SC7800Pro RSXL is connected in the Settings (Section 1.6.3) you should see a preview of the Vison3's CCD camera in the 'Live Preview'



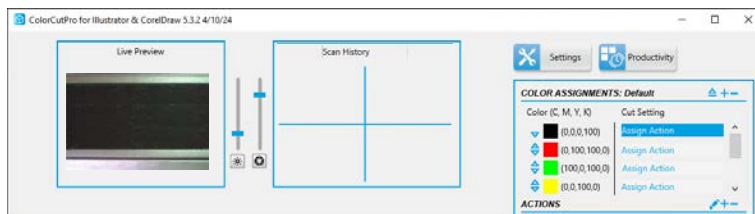
window.

5. At the top right of the ColorCut Pro window, click on the [Productivity]

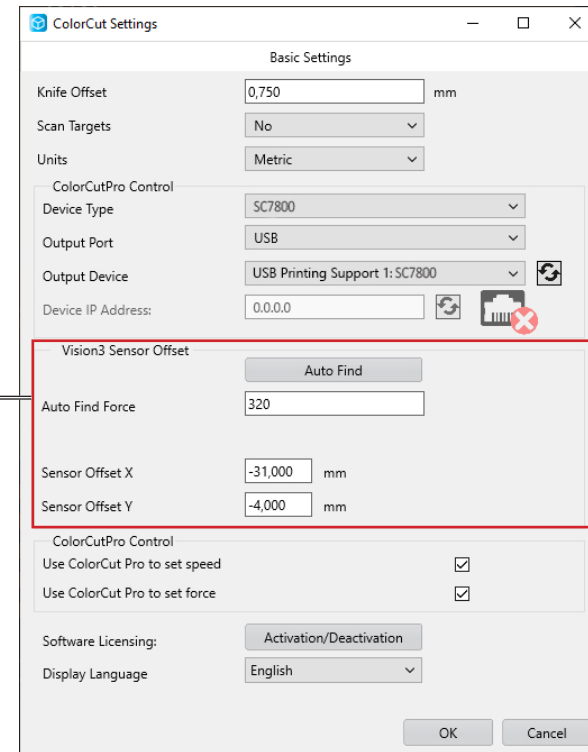


button to display the productivity window.

6. From the Media Options click on the media size to match the paper size you placed in the feeder.



7. If selecting A4 or US Letter, ensure you set SEF (Short Edge Feed) orientation. Then click [OK].



8. In the main ColorCut Pro application screen, click on the [Settings] button.

9. The ColorCut Settings dialogue box will appear. Here you can manually enter the Sensor Offset [C] or automatically set it by clicking the [Auto Find] button. (The force used, can be manually set in Auto Find Force field, by default for you. If value is set >200 <320 g it doesn't need to be changed)

10. Click the [Auto Find] button, a message will appear asking you to place a sheet of media in the cutter, and click [OK], then the ColorCut SC7800Pro RSXL, will load the sheet automatically from the feeder and use the Pen Calibration Tool, to repeatedly draw a spiral pattern to simulate a registration mark. It will then move the Vision3 sensor over to find the mark and automatically enter the values into your Sensor Offset X and Y settings. Once completed you will see a confirmation message.

11. You can now close this window, the calibration for ColorCut Pro is now complete.

1.7.3 Tangential Tool Calibration

The Tangential Tool Calibration allows you to check rotation of Tangential Tool and perform calibration of the tool after replacement to compensate for alignment issues.

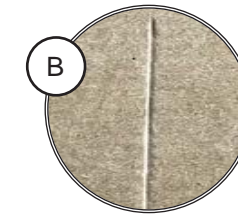
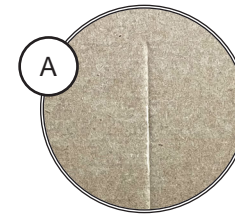
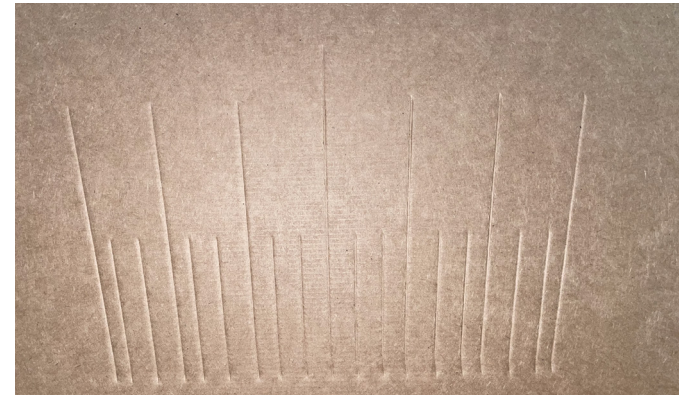
1. Place a blank sheet of paper in the feeder.



2. On the main screen press [Feed Media] button, that will feed the media to the rollers and move the carriage over the sheet.



3. Enter the settings menu and navigate to Tangential Tool Calibration.
4. Press the [RUN] button.



5. The cutter will draw lines using the tangential tool.
6. Look for the line with least deformities [A] among the drawn ones.
7. If the middle line appears without any tearings [B], the wheel is calibrated correctly.
8. If tearings are visible on the middle line, search for the line with the least deformities among all drawn lines.
9. Adjust the value using the keypad's left and right arrows so it is according to the line with least deformities.
10. Press [Apply Calibration] and rerun the test by pressing [RUN].
11. Perform steps 5 to 10 until satisfied with the performance.