

USER MANUAL

S-Cut Feeder



AUTO SHEET FEEDER SYSTEM

Compatible with SummaCut D60



Please be sure to read this user manual before using this product.
Keep this manual for future use.

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FIRST EDITION

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Safety Instructions

Thank you for purchasing the **S-Cut Auto Sheet Feeder System**. Before using it, please read the safety instructions below carefully.

1. Follow the power requirement (voltage, frequency and amperage) as indicated.
2. Make sure the power outlet is grounded properly and has sufficient wattage for all the machines connected to the same power outlet.
3. Avoid sharing the power outlet with high-powered devices, especially motorised equipment like air compressor and air conditioner.
4. Make sure that the plug is fully inserted in the power outlet. Do not use a loose outlet.
5. Do not disassemble or modify the machine.
6. Disconnect the adapter and stop using the machine if you notice abnormal odour, heat, discolouration, deformation or anything unusual while using it.
7. When placing the machine, allow enough space and support, considering the vibrations during operation.
8. Do not use, store or expose the machine to direct sunlight, water, oil splashes, salty air & water, dust, humidity or flammable gas.
9. Do not touch the paper sheets during operation. They can leave serious injury to your skin.
10. Keep away from any moving mechanism off the machine.
11. Always keep the unit in a clean, cool and away from dust.
12. Hold the plug and not the cable when disconnecting the power supply from the socket.

Terms Of Usage

These are the restrictions you need to know before you can use the machine.

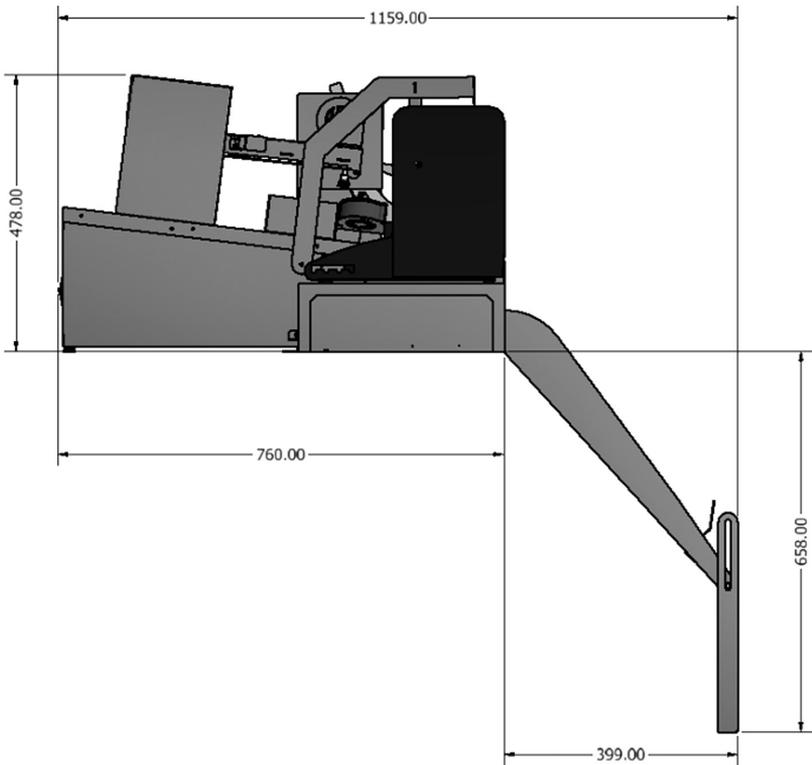
1. *S-Cut* is not compatible with other cutting plotter. It can only be used for *SummaCut D60*.
2. Curled media cannot be used with *S-Cut*. Make sure that any media inserted is flat.
3. Some thick media may not be usable as it interferes with the media separation flap.
4. Media with holes may not be usable too as there will be possibilities of *double-feeding*.
5. Maximum loadable media into the supply tray is 200 sheets or 35mm in height.
6. When a media under cutting interferes with the media in the exit tray, empty the tray immediately.
7. Minimum distance from front edge of media to cutting line is 20mm for adhesive cut & 25mm for die cut.
8. Minimum distance from rear end of media to cutting line is 5mm.
9. Minimum distance from top edge of media to cutting line is 5mm.

We advise you to use these recommended values for stable media feeding and cutting.

What To Prepare

Firstly, prepare a stable and sturdy working table proportional to the size of the *S-Cut*.

The ideal space is more than 1100mm in width, more than 800mm in length and more than 660mm in height because the Paper Collector Tray hangs 658mm from the top of the working table.



Prepare at least three (3) sockets of electrical outlets for:

1. *S-Cut* Auto Feeder
2. *SummaCut* D60 Cutting Plotter
3. PC or Computer Operation

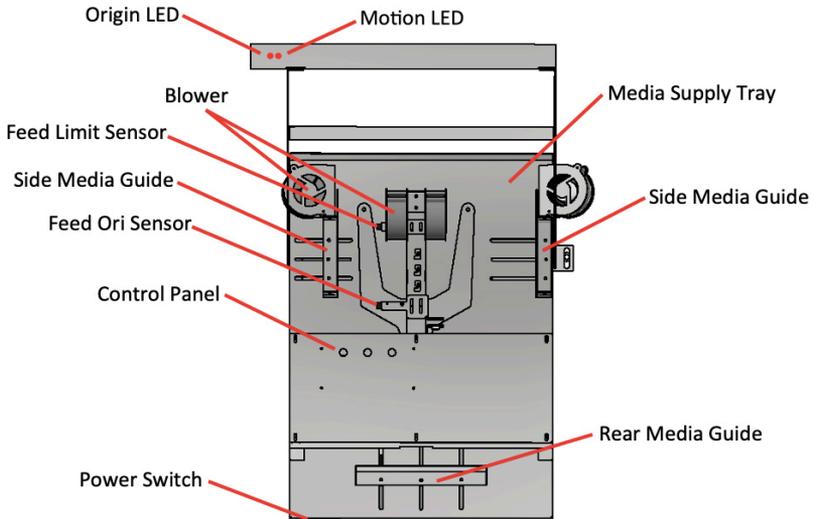
Main Specifications

The *S-Cut* Auto Sheet Feeder System is purposely designed for *SummaCut* D60 Cutting Plotter. It allows manual and automatic operations for contour cutting on printed adhesive sheets or cardboard.

The system is composed by an automatic feeder, a cutting plotter and paper collector tray. A mobile lever equipped with vacuum suction cups lifts the sheets from the paper tray and insert them into the plotter without requiring external air connection.

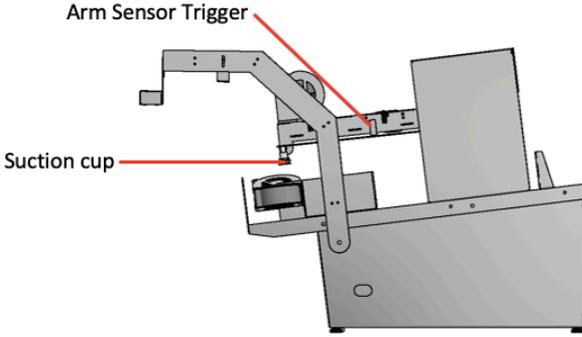
Media Size	Width: 210 to 350mm
	Length: 297 to 530mm
	Up to A4, A3 & Extended A3
Model	S-Cut Feeder V1
Sheet Capacity	280 sheets max, 50mm height (depending on thickness and type or media)
Power Source	AC 200V to 240V
Power Consumption	350 Watt
Weight	37 kg / 87 lbs
Compatible OS	Windows 7/ 8/ 8.1/ 10 (32 bit/ 64 bit)
Interface	USB
Dimensions (mm)	Feeder: 760 (L) x 935 (W) x 478 (H)
	Feeder System: 1159 (L) x 1006 (W) x 1136 (H)
Feeding System	Internal Vacuum Pump
Media Separation	Air Blowers

Machine Interface



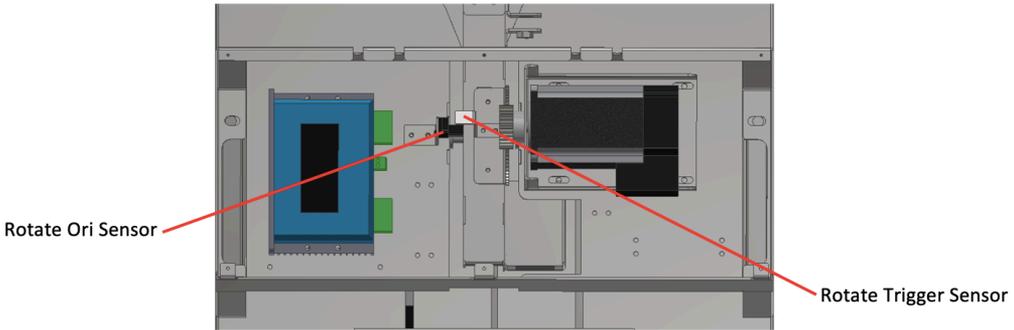
TOP VIEW

Origin LED	Detect carriage at home position
Motion LED	Blinks when carriage is moving
Blower	Separate & prevent media from sticking together
Media Supply Tray	Storing media to be cut
Side Media Guide	Adjust media's width in media supply tray
Rear Media Guide	Adjust media's rear edge in media supply tray
Feed Limit Sensor	Limit the movement of movable arm
Feed Ori Sensor	Make sure arm sensor trigger is at home position
Control Panel	To start the operation in manual or auto mode and initializing the <i>S-Cut</i> by pressing RESET twice
Power Switch	To turn the <i>S-Cut</i> ON and OFF



SIDE VIEW

Arm Sensor Trigger	Making sure movable arm in home position before machine initialization
Suction Cup	Picking up media by suction and inserting the media into <i>SummaCut</i>



INSIDE CONTROL PANEL

Rotate Ori Sensor	Making sure Rotate Trigger Sensor is at home position for initialization
Rotate Trigger Sensor	Giving signal to Rotate Ori Sensor

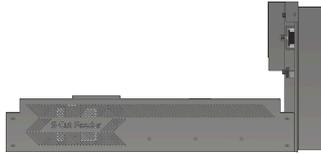
What's Included

ITEM	QUANTITY
 <p>S-Cut Body</p>	1 Unit
 <p>Media Storage</p>	1 Unit
 <p>Tray Collector</p>	1 Unit
 <p>Paper Stopper</p>	1 Unit
 <p>Tray Stand</p>	1 Unit
 <p>Clamp Gear</p>	1 Unit
 <p>Clamp Trigger Sensor</p>	1 Unit
 <p>Clamp Holder</p>	1 Unit
 <p>Screws M3 x 25</p>	4 Units

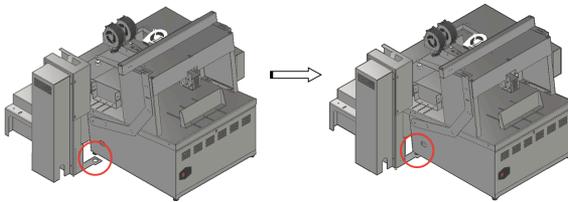
 <p>Screws M3 x 5</p>	3 Units
 <p>Aluminium Encoder</p>	1 Unit
 <p>Allen Screw M5 x 12</p>	4 Units
 <p>Power Cord</p>	1 Unit
 <p>M3 Brass Stand Off</p>	3 Units
 <p>Encoder L Bracket</p>	1 Unit

How To Install

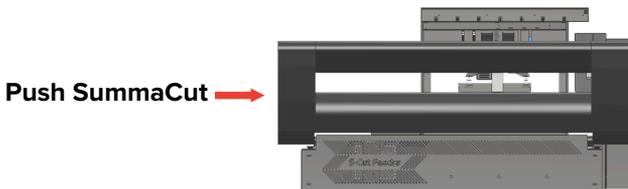
1. Place the *S-Cut* body on a flat and sturdy table.



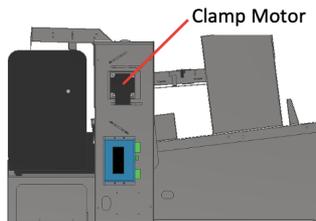
2. Place the *S-Cut* Media Storage at the back of *S-Cut* body. Make sure one of the front foot of Media Storage is placed inside the round hole. This is to make sure the gap between the *S-Cut* body and media storage is met.



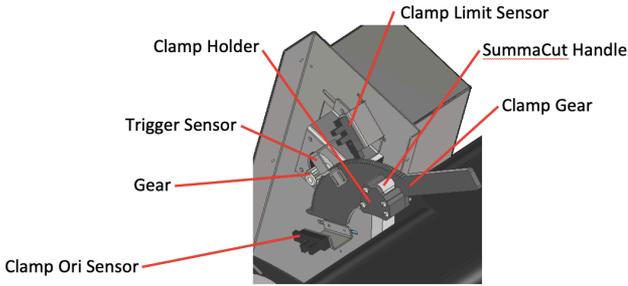
3. Place *SummaCut* on top of the *S-Cut* body and push towards the right until maximum limit. Align the *SummaCut* and *S-Cut* body holes and tighten them with screws.



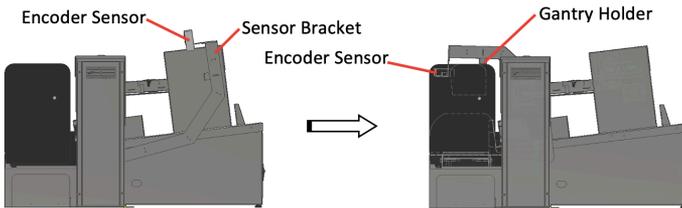
4. Open the tower cover and loosen the Clamp Motor before installing the Clamp Holder and Clamp Gear to *SummaCut* handle.



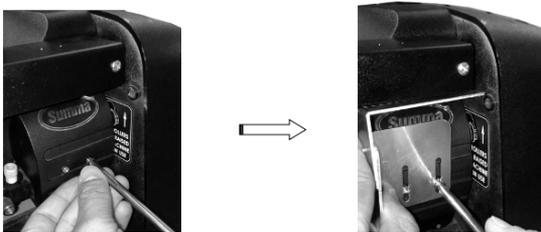
5. Take the Clamp Holder and place it to the *SummaCut*'s handle and push downward to fix the position and tighten together with the Clamp Gear. Then, push back the Clamp Motor to make sure the motor gear and clamp gear are touching. After that, fix the motor position by tightening the screws. Align the Trigger Sensor to pass through Clamp Ori Sensor and Clamp Limit Sensor.



6. Install Gantry Holder into the Sensor Bracket. And then, move the encoder sensor and the brackets to the front.



7. Remove carriage screw and replace it with Brass Nut before installing the Aluminium Encoder to the SummaCut carriage.

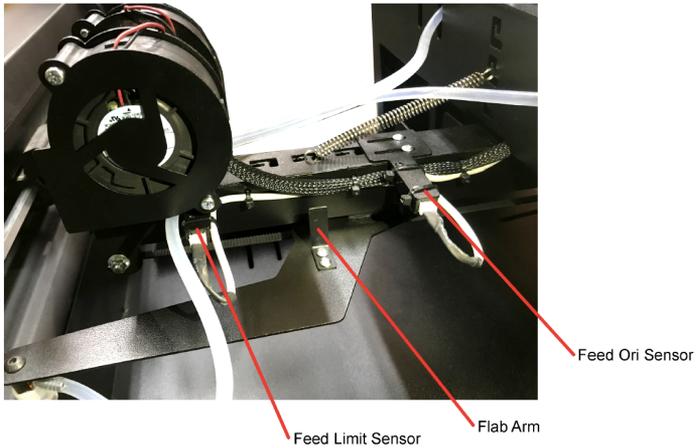


8. Finally, test run the machine and align the Media Storage by rotating it left and right to get the straight edge when feeding media into the *SummaCut*. Secure the screws tightly to avoid Media Storage from moving.

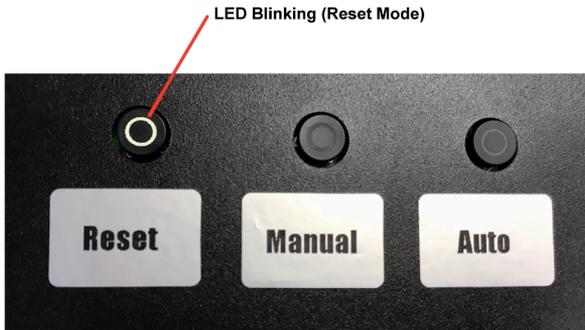
How To Operate

INITIALIZATION

1. Make sure the power cord is connected to the machine.
2. Switch ON the machine.
3. Make sure the flab arm is placed in between the Feed Ori Sensor and Feed Limit Sensor.

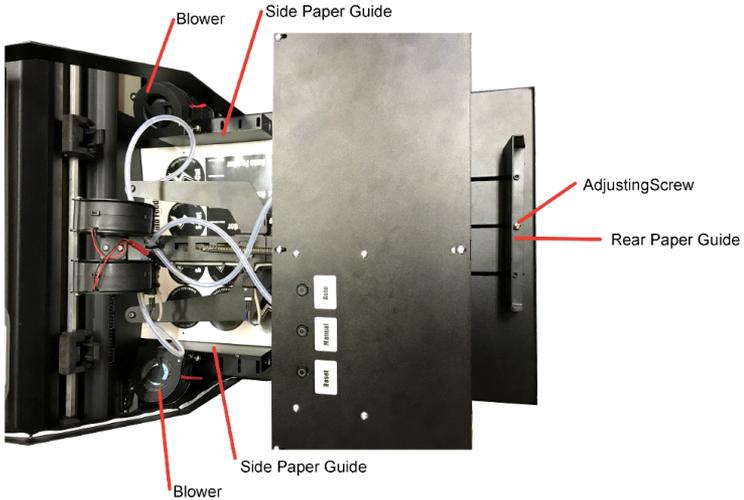


4. Press the RESET button to reset the machine (LED blink).
5. Press again the RESET button to initialize or to put on STANDBY mode (LED off).



LOADING MEDIA

1. Fan and align the edges of papers before loading.
2. If the papers are curled, flatten or curl them slightly in the opposite direction before loading as curled papers may cause paper jam or machine failure.
3. Adjust the width of Side Paper Guide depending on media size.
4. When adjusting, make sure the Side Paper Guide slightly touches the side of paper.



5. Load the paper into the Paper Tray and adjust the position of Rear Paper Guide.
6. When adjusting the Rear Paper Guide, make sure the front edge of papers slightly presses to touch the front of Paper Tray.
7. Push the front edge of paper into the Paper Tray.
8. From the *S-Cut* Control Panel, press the Manual button for single paper loading OR Auto button for continuous paper loading.

ADJUST PAPER STOPPER

1. Adjust the Paper Stopper at the Paper Collector Tray depending on media size.
2. Loose the screw to adjust the paper stopper in desired position.

Troubleshooting

Symptom	What To Check	Solution
When the <i>S-Cut</i> power is ON after clicking the RESET button, the reset LED light is still OFF	Check if the red light for the power switch is ON	Check if the connection of AC power adapter and power cord is connected properly
		Check if the power cord is damaged. If damaged, stop using and replace it
When the LED light of reset button blinks but no response when pressing AUTO or MANUAL button	Check the ribbon cable 34 pins	Check if the ribbon cable is connected properly by pushing the cable connector
	Check if the Rotate Ori Sensor is triggered or not	Make sure the sensor is in place and can detect the Rotate Trigger Sensor
The machine can't initialize	Check the Arm Sensor Trigger's position	Arm Sensor Trigger must be placed between Feed Ori Sensor and Feed Limit Sensor
When manual button is pressed, the arm and feet are not moving	If rotate cover is rotating	Move <i>SummaCut</i> carriage to home position by hand
	Check if origin LED is triggered by <i>SummaCut</i> (make sure <i>Summa</i> Carriage is at home position)	If <i>SummaCut</i> carriage is already at home position, adjust and calibrate Encoder Sensor gap 3 - 5mm above the aluminium plate until origin LED is on (bright red)
	If Rotate Cover is not rotating	Check for the connection Ribbon Cable 16 pins is connected properly or contact dealer
	If the arms are not moving down to suck papers	Check if the Ribbon Cable 6 pins inside the Control Panel is connected properly

Symptom	What To Check	Solution
When the paper gets jammed (Buzzer Trigger)	Check media condition if there are wrinkles at suction cup contact points	Use new media
	Check vacuum pump if it's running	Change vacuum pump
	Check if there is suction at both suction cups	Tighten all tubing joints especially at the Pressure Sensor or Main Board
		If still not working, change tubing set
	Check the suction cup's condition if there is any leakage	Change to new suction cups
<i>SummaCut</i> media clamp is loose	Check if Firmware V2 is installed	Install Firmware V2 or above
	Check if <i>SummaCut</i> is parallel to S-Cut Feeder (the gap between <i>SummaCut</i> 's body and S-Cut Feeder's back tray)	Align <i>SummaCut</i> 's body properly to <i>S-Cut Feeder</i>

