

# Fitting Cutters and Peelers on Citizen Barcode and Label printers

## **Cutter and/or Peeler options – CL-S printers**

**Peeler and Cutter CL-S521/621/631**

**Peeler and Cutter CL-S400DT**

**Peeler and two Cutters CL-S700 series**

**Peeler and Cutter CL-S6621**

**Peeler CL-S300**

## Auto Cutter Specs – CL-S Desktops

- **Auto Cutter: Part Number 2000424 – Grey - 2000410 – White**
  - **Method: Guillotine**
  - **Suitable for Cards or Tickets, Adhesive labels** (note – cutter life may not be guaranteed when cutting through labels with backing adhesives)
  - **\*Should be tested on different types of textiles**
  - **Lifetime: 300,000 cuts on media thickness 0.06-0.15mm.**
    - Check cut count in printer config.
  - **100,000 cuts on media thickness 0.15-0.25mm**
    - Check cut count in printer config.
  - **Fanfold and Roll media – Suggest roll media core size be a minimum of 50mm internal dia.**
  - **Minimum cut 25.4mm**



\*Some very flexible or thin textiles may give intermittent cut failures

## Fitting Cutter and Peeler Options

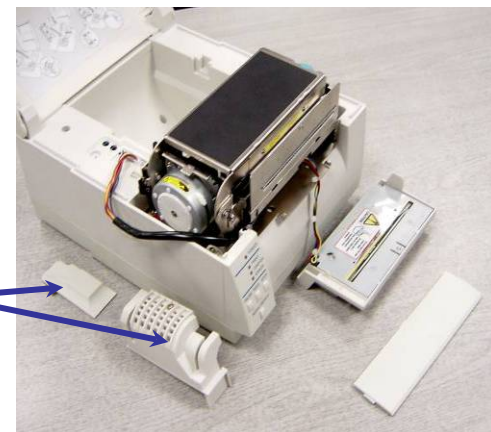
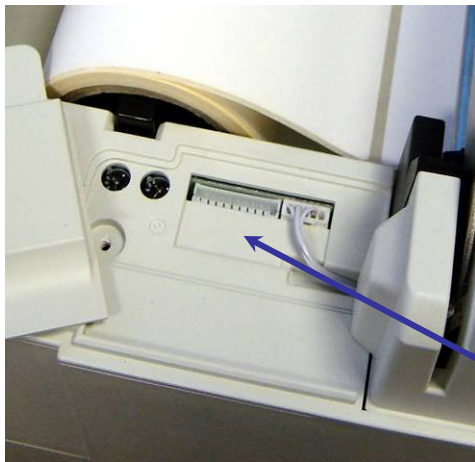
The cutter is supplied in two parts The mounting frame (right) and Cutter unit (arrowed).

Ordered as one part number: 2000410  
(or 2000424 - the Grey unit)

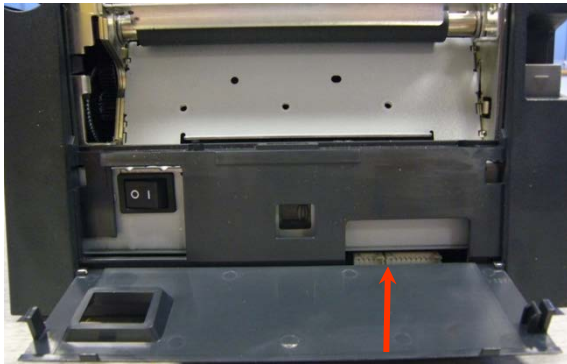
The Peeler “with label taken sensor”, arrowed below, orange silicone rollers reduce glue build up.

Citizen part number 2000411

There is no need to open the main case of the printer, just the connector and side covers.



## Fitting Cutter and Peeler Options

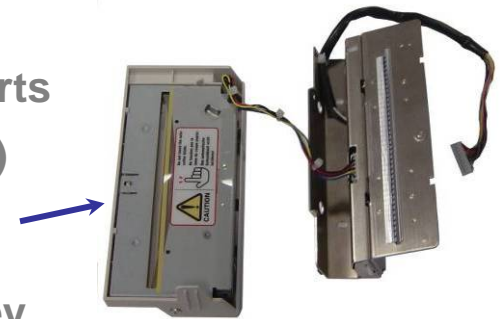


Remove upper front bezel.

Unclip and hinge down front lower cover. Run cable down left side and behind plastic housing before plugging into the relevant connector.

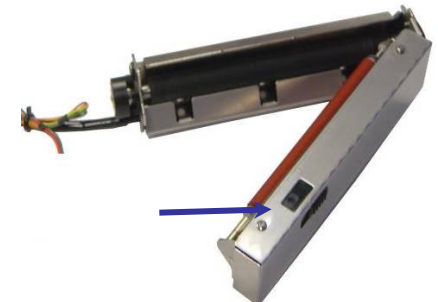
Cutter is supplied in two parts – the mounting frame (right) and cutter unit (arrowed).

Part number: 2000424 – Grey

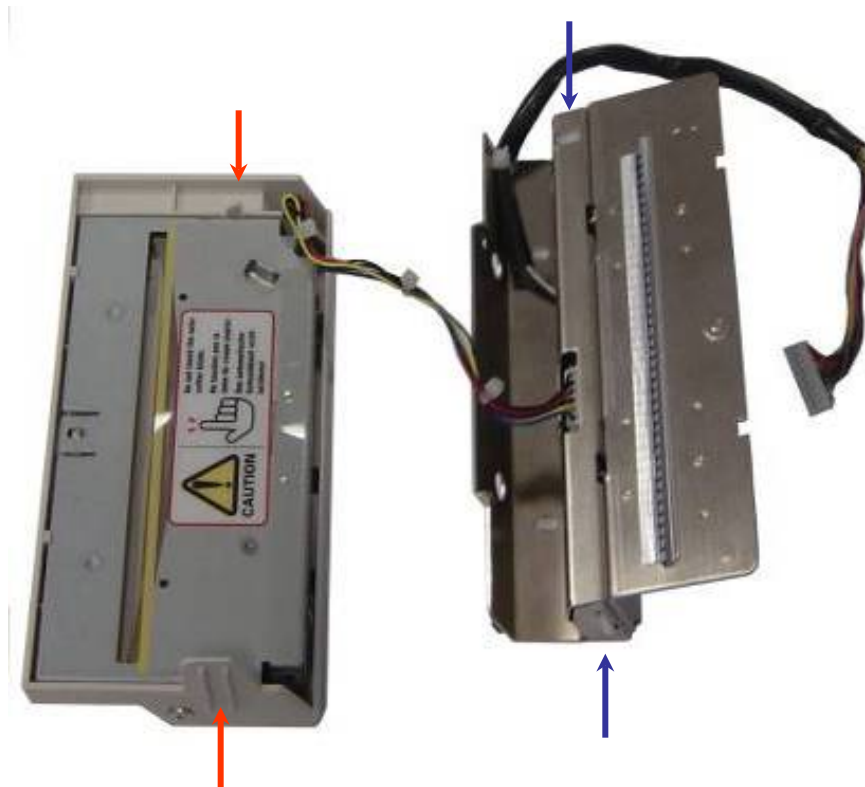


The Peeler “with label taken sensor”, arrowed below, orange silicone rollers reduce glue build up.

Citizen part number 2000411



## Cutter – Safety lock-out – CL-S Desktop printers



To ensure user safety  
Blue arrows point to lock out  
switches. Red to the plastic  
operating points.

When fitting ensure these  
plastic sections (red arrows)  
are not damaged/broken or  
the cutter unit will not work

Cutter is supplied in two parts – the mounting frame (above right) and  
cutter unit (above left).

Part number: 2000424 – Grey (most recent printers) [2000410 – White unit shown]

Above applies to CL-S 521, 621, 631 (CLP equivalents) and 400DT

## Auto Cutter Specs – CL-S700 Series

- **Auto Cutter: Standard Cutter** (Part Number 2000425)
  - Method: Running blade (circular cutter or ‘pizza’ cutter)
  - Very fast speed: 0.3 seconds per cut
  - Suitable for labels and card tags
  - Not suitable for textiles or ‘flexible’ media like PET
  - Lifetime: 300,000 cuts, media thickness 0.06-0.15mm.
  - 100,000 cuts, media thickness 0.15-0.25mm
- **Auto Cutter: Heavy Duty** (Part Number 2000429)
  - Method: Rotary cut Cut speed: 0.8 seconds per cut
  - Suitable for all materials, especially textiles, thick card, PET.
  - More than 3x price of standard cutter
  - Lifetime: 500,000 cuts , media thickness 0.06-0.15mm. 200,000 cuts , media thickness 0.15-0.25mm
- For warranty on all cutters: check cut count via printer configuration print
- Cutter life may not be guaranteed when cutting through labels with backing adhesives



## CL-S700: Peeler details

- Same style as desktops
- Different part number (locating pins are different). Supplied with blanking cover, CL-S700/700DT/703 models only
- Maximum label length – depends if label can hang over table/desk edge!
- Does not fit on “R” versions, they include a full liner rewinder and integral peeler unit
- Recommended minimum label length 25mm.
- Fitting instructions supplied but fitting process shown during training





## Fitting Process - Front cover removal

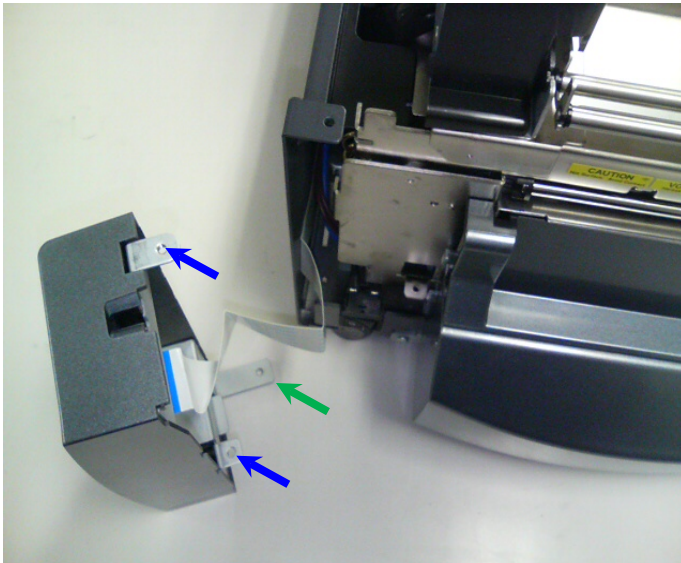
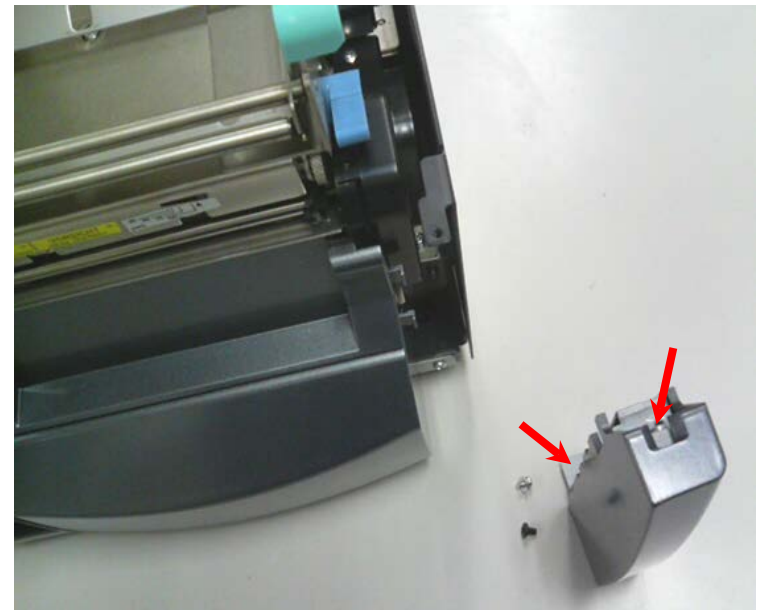


Photo left is an early version printer which had three fixing screws.

Green arrow shows the third screw. Later units this is a clip

Right side – remove the **two fixing screws** holding the panel in place; lower one not easy to see.

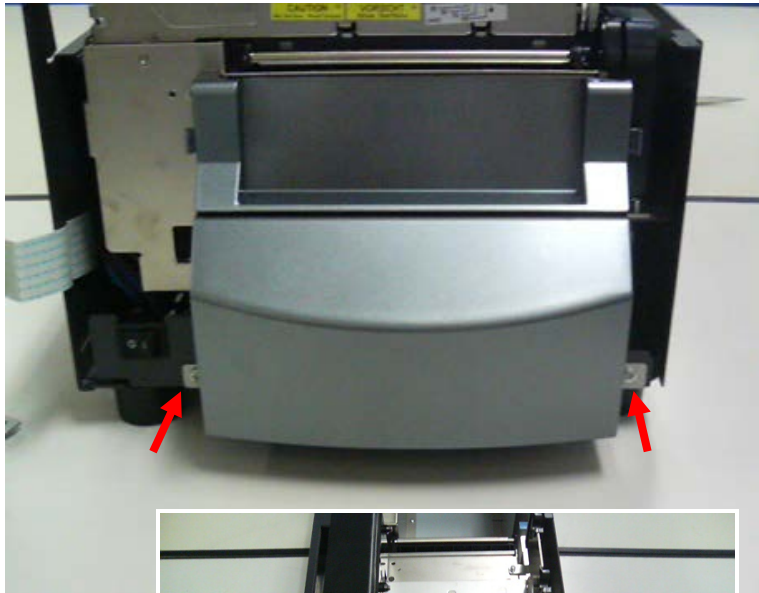


Left side - remove **two screws**. Only top one visible (with black plastic moulding). Other locations not easy to see. May need strong lighting

Require “long” magnetised screw driver to reach the lower screws indicated, on both side panel pods.

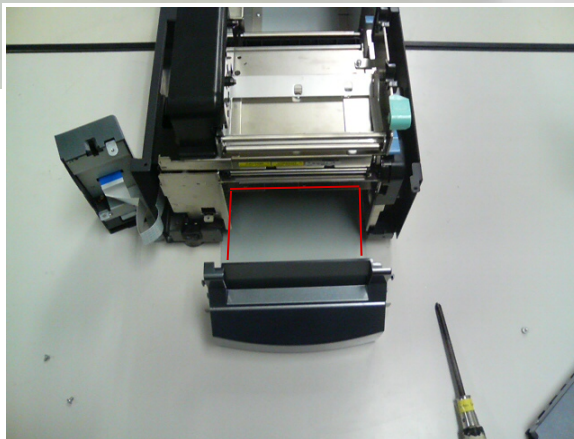
All Covers shown must be removed to fit either the Peeler or Cutters

## Front Centre Cover – Removal

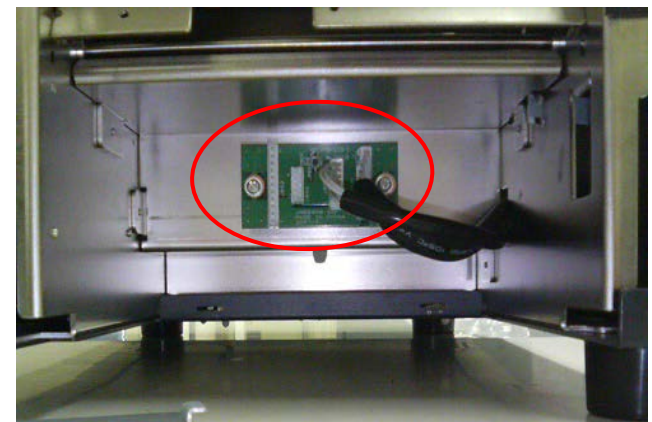


Remove **two screws** arrowed left.

Panel is attached to an L shaped plate recessed into the printer. The base, boarded by the **red lines** (lower left) is about 160mm long. The unit must be removed to fit either the cutter or peeler units.

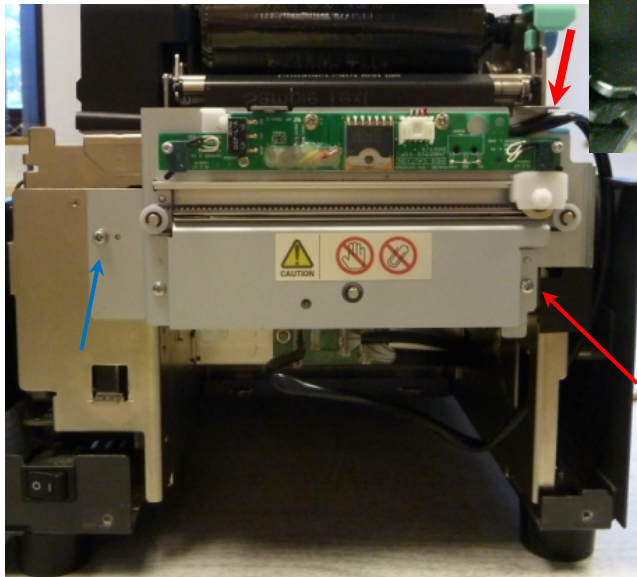


The option board (ringed) to connect the cutter or peeler to the printer



All Covers shown must be removed to fit either the Peeler or Cutters

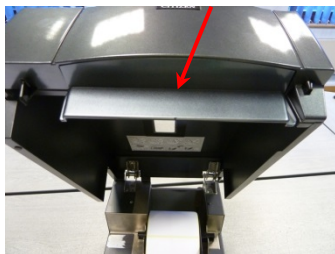
# Fitting Cutters



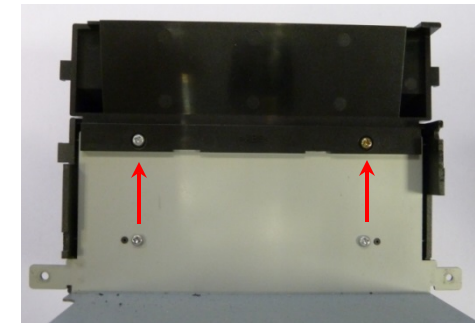
Remove “knockout” shown arrowed above and still intact. Cutter will not seat correctly if left in place.

Mount Cutter on printer chassis. Small clip on cutter mounting bracket slots into chassis.

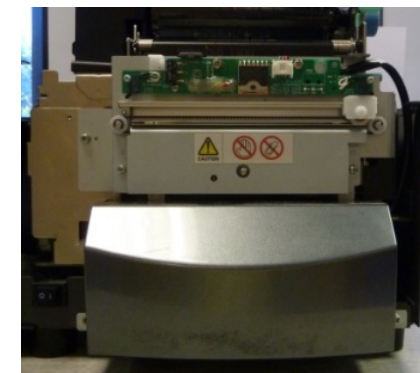
One **screw**, left side fixes cutter in place



Remove front plastic section of top cover, allows the lid to close, two screws, see install instructions



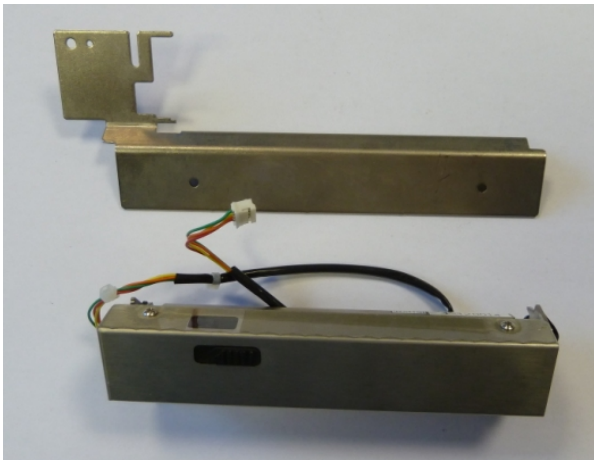
Rear view of lower front cover. Remove screws holding upper portion.



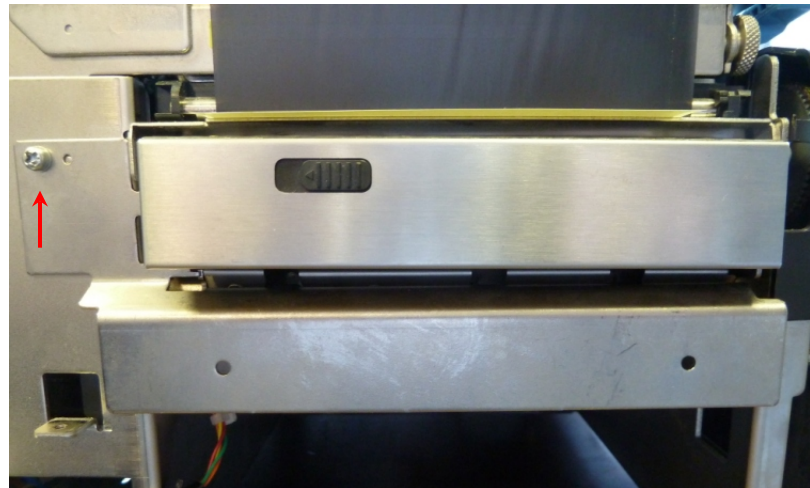
Above – lower front cover refitted prior to fitting left and right covers.

Above shows the Standard cutter, Heavy Duty cutter, fitting process is very similar

## Fitting Peeler



Peeler and blanking plate/bracket as supplied;  
Part number 2000427

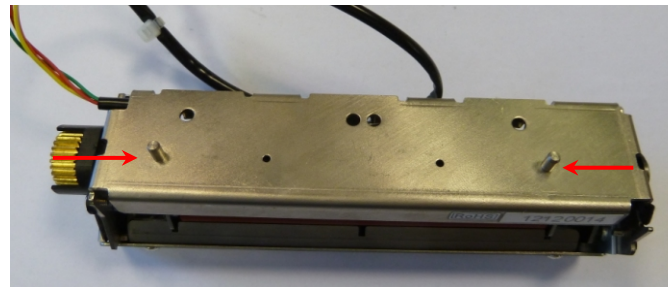


Peeler and blanking plate fitted prior to refitting the covers.

Peeler fitted to the printer using two screws provided.

Blanking plate held with one screw (red arrow)

Cable in to the option board

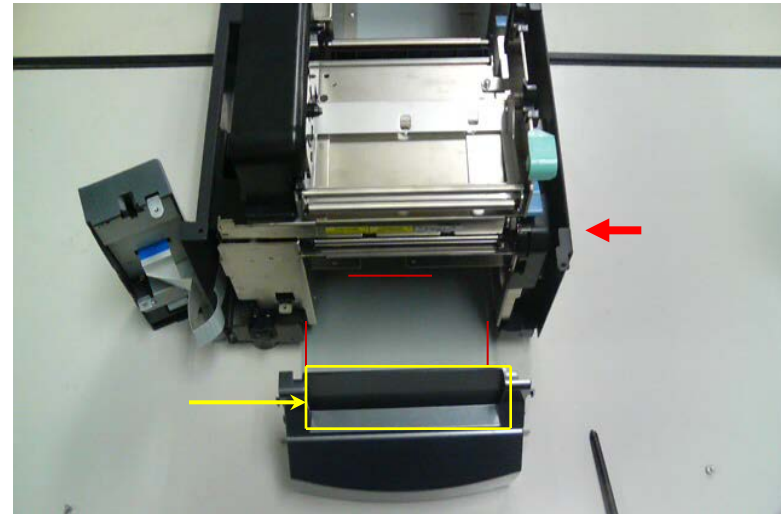
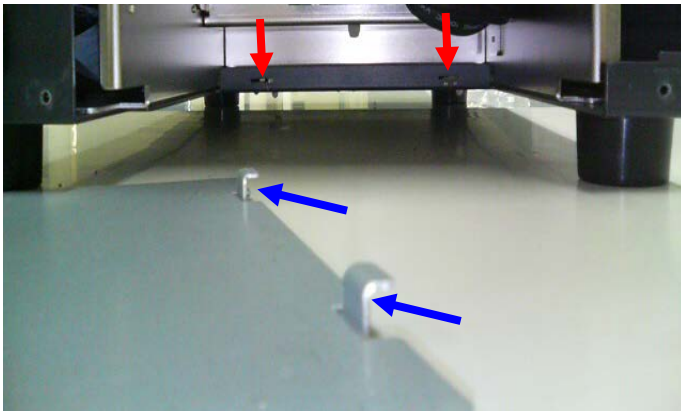


Rear of peeler unit, the locating pins on the CL-S700 peeler are farther apart than those on the Desktop peeler, other than that they look the same.

## Centre Cover – Refitting

Not possible to see locating slots when refitting front panel.

Slide base unit into open mouth of printer, placing **locating hooks** as close to **their slots** as possible.



Shown here with blanking cover still attached, yellow arrow.

Slide a hand under the right or left side (**see arrow above right**). There is room to gently guide the base plate **hooks** upwards into their locating slots in the chassis. Re-fix with the screws

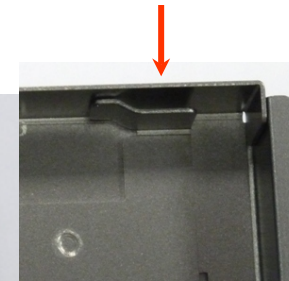
Refit the two side pods (operation panel and right side pod).

# CL-S700: Cutter – Safety lock-outs

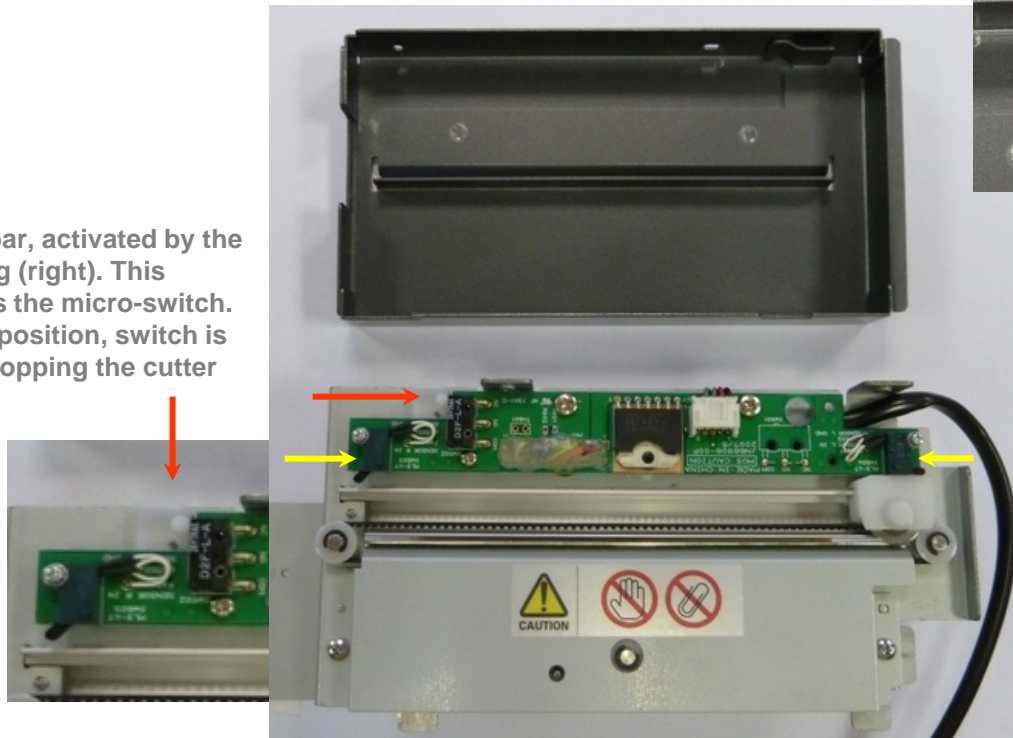
## Standard Cutter (Part Number 2000425)

To ensure user safety

Plastic bar, activated by the cover tag (right). This activates the micro-switch. Current position, switch is OPEN stopping the cutter



Small tag inside the cutter cover activates lock-out switch. Held in place by two screws through top of cover



This is the only cutter unit that can be repaired.

Use part number : 2000428, replaces the roller blade and edging bar.

Note the home position switches left and right (yellow arrow), detecting the position of the rolling blade cutter.

For speed the blade cuts in one direction, pauses for next cut command, then moves back to the other side, currently parked on the right in this picture

# CL-S700: Cutter – Safety lock-outs

To ensure user safety

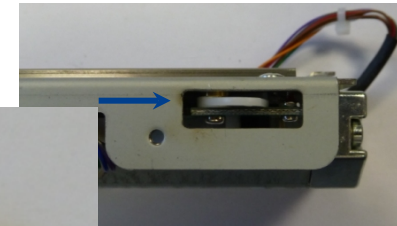
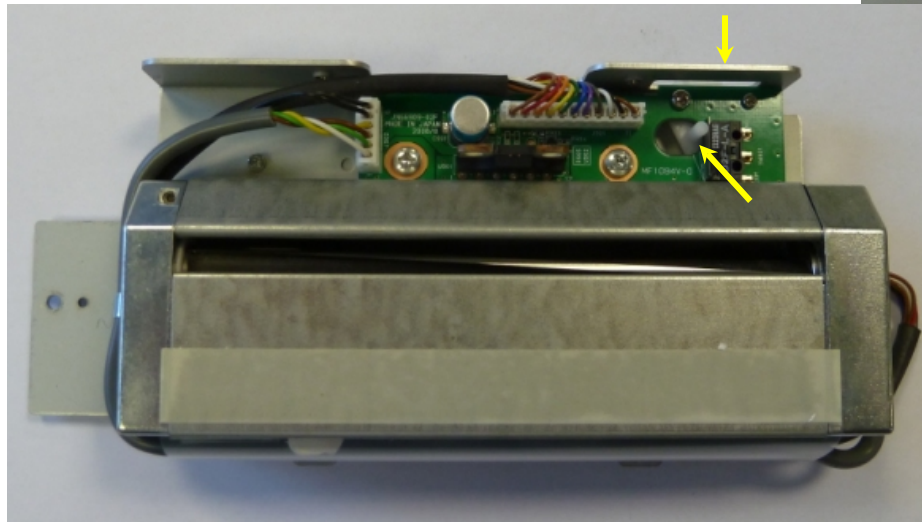
## Heavy Duty Cutter (Part Number 2000429)

Plastic activation bar (yellow arrows).

In this case the cutter cover sits directly over the activation bracket (right).

This activates the micro-switch.

Switch position shown OPEN stopping the cutter



Small bracket as seen from the top of the cutter (blue arrow).

Cover holds this arm down and closes the switch.

Cover held in place by two screws through top (one hole is visible)

This cutter unit is nearly 3 times slower (0.8sec/cut) than the Standard unit (0.3 sec/cut) because it must reset the blade back to its home position after every cut. Blade does a full 360 deg. rotation with every cut

## CL-S 6621: Auto Cutter

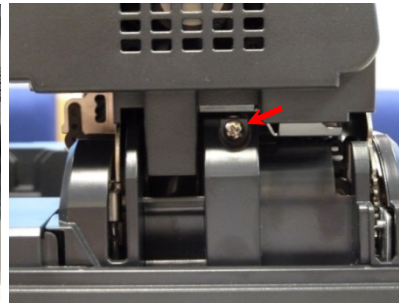
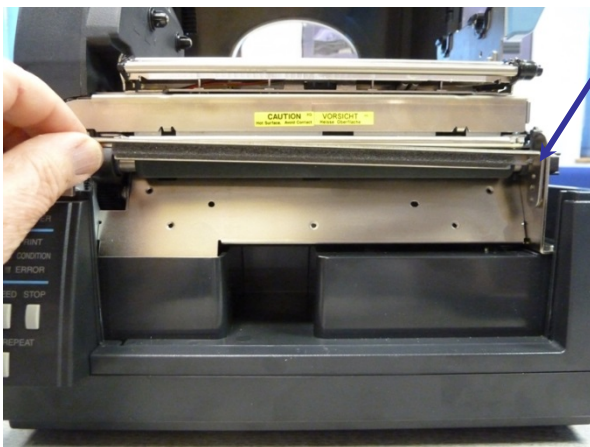
- **Auto Cutter specification:**
  - **Method: Upwards moving guillotine blade**
  - **Suitable for labels and card tags**
  - **Min Cut 25.4mm**
    - Card or Ticket, adhesive labels (note – cutter life may not be guaranteed when cutting through labels with backing adhesives)
    - Fanfold or Roll media, (note – Roll media should be on a minimum of 50mm core)
  - **Lifetime: 300,000 cuts, on media thickness 0.06-0.15mm.**
    - OR 100,000 cuts on media thickness 0.15-0.25mm
  - **Available in:**
    - **Grey (Part Number 2000449)**





## Fitting the Cutter OR Peeler – CL-S6621

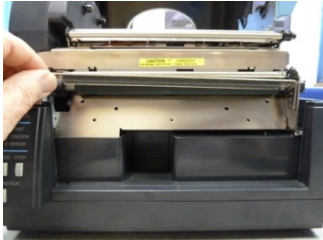
In order to fit the Cutter OR Peeler it is necessary to remove the Tear bar and Front Bezel



The front cover or bezel is held in place by two small clips, one each side (see insert picture). Using a flat screw driver gently ease up one side as shown for easy removal.

Lastly remove motor cover and the connector cover, one screw on each.  
Peeler and Cutter connectors under the connector cover (only fit one unit at a time)

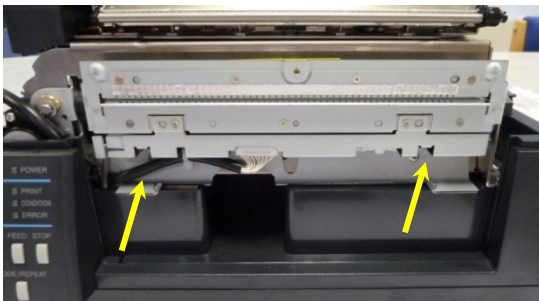
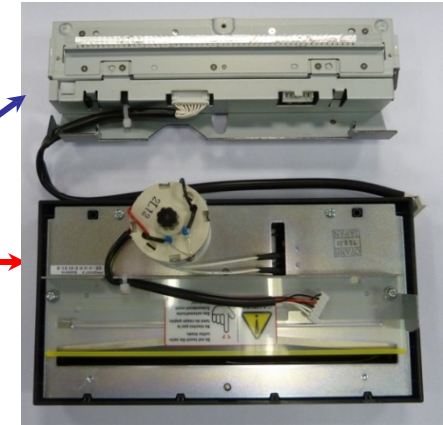
## Fitting the options – Cutter – CL-S6621



Remove the front cover or Bezel and Tear Bar

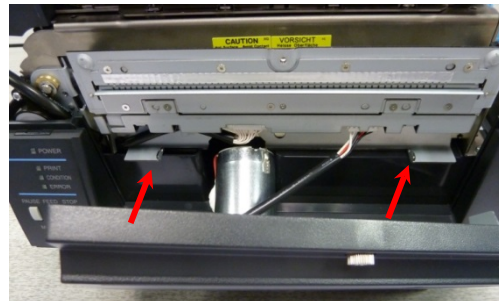
The Cutter is supplied as two parts – the **Cutter Stand Unit** and **Cutter Unit**. Shown right

Citizen Part number is: 2000448



Locate two pins on the back of the Cutter stand. Fit into matching holes on the printer.

Fix with TWO screws.



Slide the motor unit into the recess in printer case, hook base of cutter unit to **Cutter Stand** and connect cable.



Push two units together and tighten locking screw.

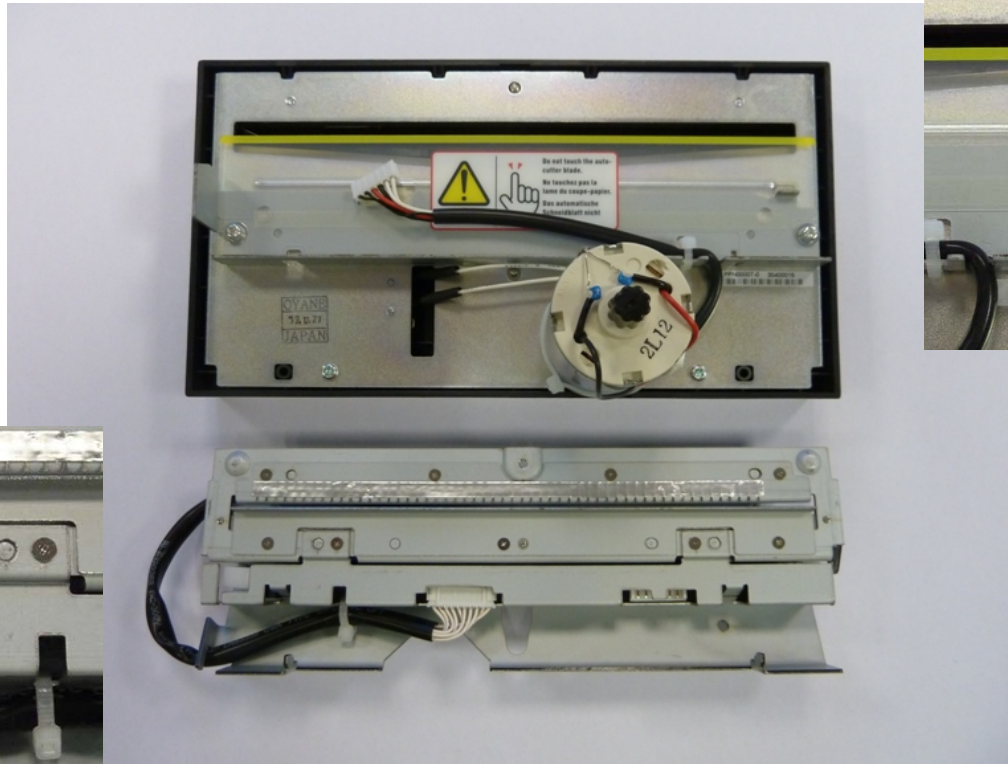
Cutter is ready to use.

Ensure option is ON in the Printer Driver

# Cutter safety lock-out – CL-S6621

To ensure user safety

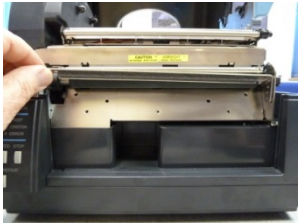
Mounting bracket, insert shows the small cutter lock-out switch activated by the metal tag (right)



Insert shows the metal tag which activates the cutter lock-out switch

Front cover, cutter and motor as supplied along with the mounting bracket.

## Fitting the options – Peeler – CL-S6621



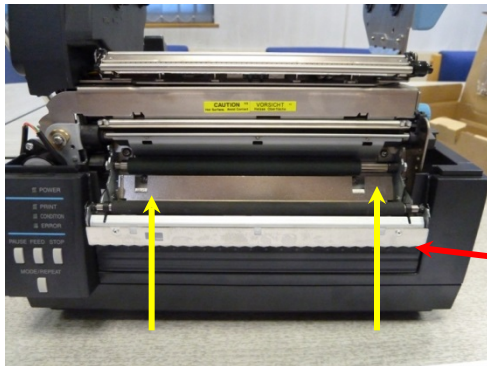
Remove the tear bar and front cover or bezel.

The Peeler is supplied as two parts – A replacement front cover or bezel and the Peeler unit which mounts above it. Shown right



Citizen Part number is: 2000449

Fit the front bezel,



To open, use the latch arrowed.

The Peeler unit rolls forward, it is not the door style used in other peelers



Fit Peeler unit – held in place

with **FOUR** screws. 2 each side, yellow arrows.

Ensure option is ON in the Printer Driver

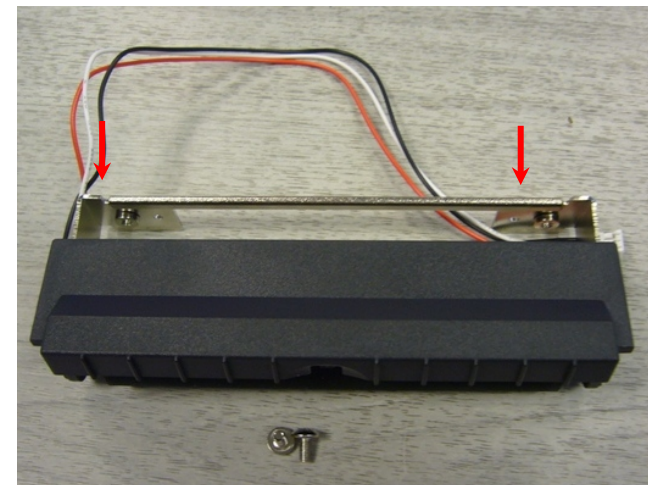
## CL-S 300 Fitting Peeler Option



Peeler unit comes with instructions but because the work involves taking the printer apart “to main board level” we recommend this is a Distributor/Dealer fit ONLY.

With the printer lid open, gently remove the front bezel. It is held in place by plastic tabs on each side.

Above it is just possible to see the paper guide built into the case to assist media loading when peeler is fitted.

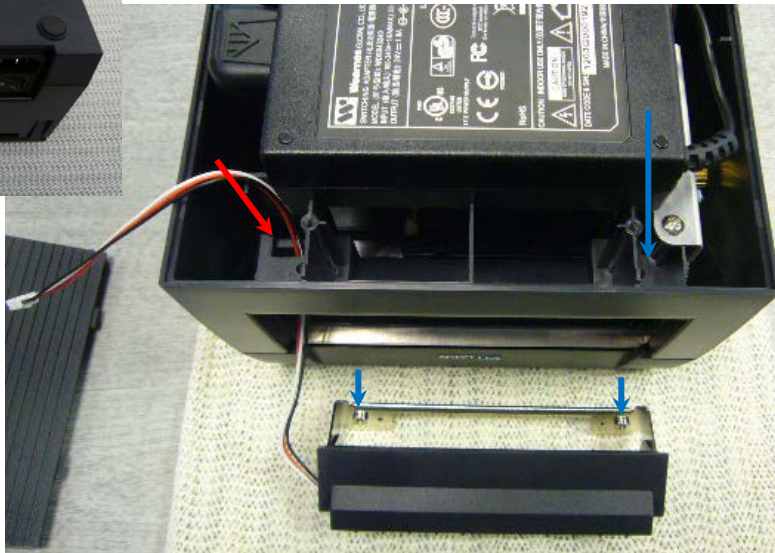


The very simple Peeler unit. Red arrows point to the two threaded fixings mentioned on the next page, in front the two screws supplied.

## CL-S 300 Fitting Peeler Option

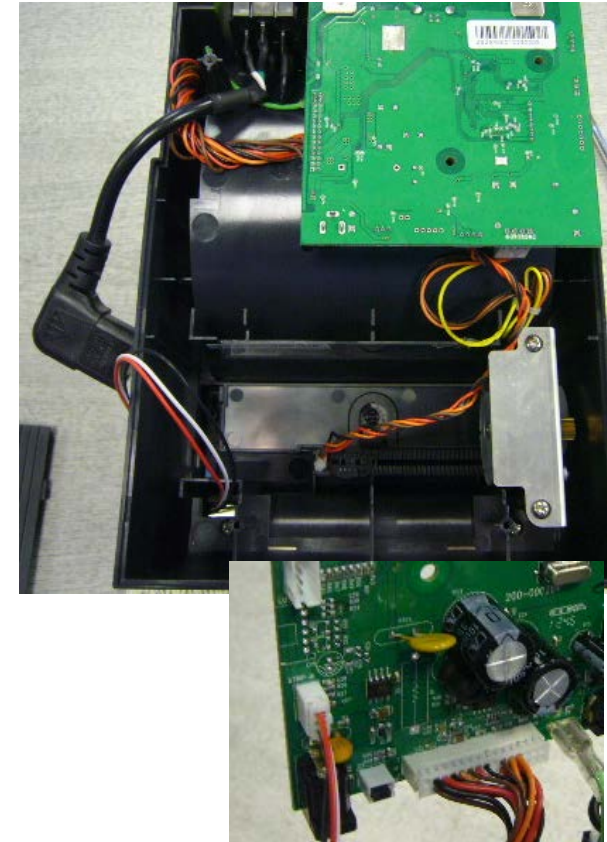


Using the padded material to protect the printer lid, remove the base of the printer



Position the Peeler unit as shown and feed the cable through a hole in the case.

Two tapped screws provided with the peeler, go through the case from inside (**Blue Arrow shows one side**) into the treaded section on Peeler frame once it is positioned, smaller **blue arrows**.



Cable from Peeler attached to main board; Connector description is "Stripper"

## CL-S 300 Options

With the peeler fitted, turn printer back up-right.

Tilt the top section of the peeler outwards, releasing the pressure roller. This allows the backing paper to be feed through manually.

Once there is enough, push the peeler unit back into position and it is ready to go

Peeler unit – Part Number 2000450



[www.citizen-europe.com/support](http://www.citizen-europe.com/support)