

Avery Dennison®

TrafficJet™ Splice Pass Procedure

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Splices

Reflective sheeting and overlay films are produced in a continuous manufacturing process using master rolls of various lengths. Occasional changeovers may result in production rolls shorter than the standard length, and when this happens, an splice is created (overlap or butt splice) to reach the required roll length. The splice is reinforced with tape and marked with a paper tab so that the splice and location is visible to customers. Screen printed or computer cut signs may or may not be produced with a splice depending on customer preference, but when digitally printing, splices are typically not used on the sign.

Splices and the TrafficJet Printer

While the thickness of the splice and the paper tab is less than the print head gap on the TrafficJet printer, we have found in practice that the splices may cause printhead strikes, as seen in the photos below.



Recommendation TrafficJet, TrafficJet Plus and TrafficJet Xpert

Inspect the roll before placing loading it on the printer, noting the presence of splices and their location within the roll. When a splice feeds into the printer, pause the printer, raise the printhead, advance the splice through the printer past the printheads, then restart the print job.

Carefully monitor the upcoming splice. As the splice approaches the printheads, increase the printhead height from **medium** to **high** as the splice passes through.

1. Carefully monitor the upcoming splice.
2. When the splice enters the back of the printer, pause the print job by pressing the Pause/Cancel button. The screen display will switch from "Printing" to "PrintRestart->Enter". The printheads will move to the right side of the printer and lock themselves in the capping stations. When the printheads lock, you will hear a distinctive "click" sound. **Caution: Do not open the front cover until the printheads lock into the capping stations!**
3. After the printheads are locked, open the printer cover and manually adjust the printhead height from medium to high by moving the lever to the left as shown below.



4. Press the Pause/Cancel button to restart the print job and allow the splice to pass through both printheads completely.
5. Press the Pause/Cancel button to pause the print job and allow the printheads to lock in the capping stations. **Caution: Do not open the front cover until the printheads lock into the capping stations!**
6. After the "click" is heard, manually adjust the printhead height from high to medium by moving the lever to the right as shown below. Close the cover and press the Pause/Cancel button to resume the print job.



Recommendation TrafficJet Pro

Inspect the roll before placing loading it on the printer, noting the presence of splices and their location within the roll.

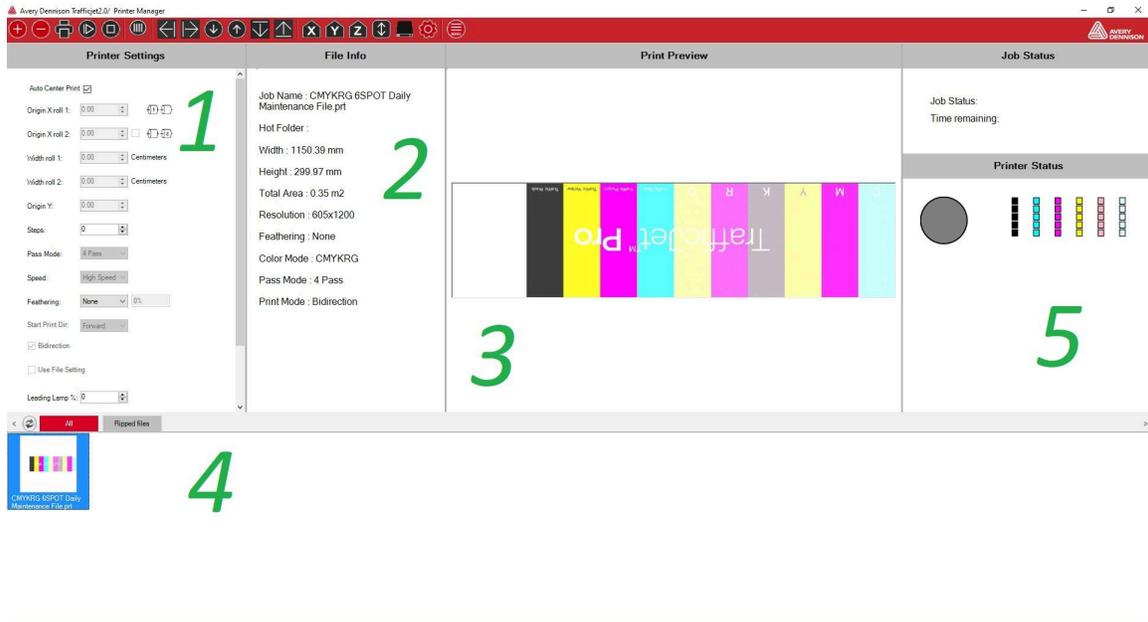
When a splice feeds into the printer, before entering the vacuum table, look at the GUI software and specifically the Print Preview area (3). Note the exact position of the printed progress and cancel the job.

Feed the splice until it passes the vacuum table.

Double click the job in the GUI and use the clipping functionality to clip the part that was already printed.

In the queue of the GUI, select the clipped, remaining part of the artwork and hit the print button.

Repeat this procedure for every splice in the roll.



Recommendation TrafficJet Xpress

- Check the material roll for splices before loading it on the printer.
 - If your roll has a splice, take note of where it is located.
- Keep a close eye on the print once you can see the splice come around the roll. As soon as the splice approaches the pinch rollers (~4-6 inches), pause the print by selecting “**LOCAL**” using the **FUNC3** button (Fig 1).
 - **Note:** Please be sure to only press **FUNC3** when the carriage moves to the leftmost edge of the platen so it can cure the last bit of ink on its way back to the capping station (Fig 2).

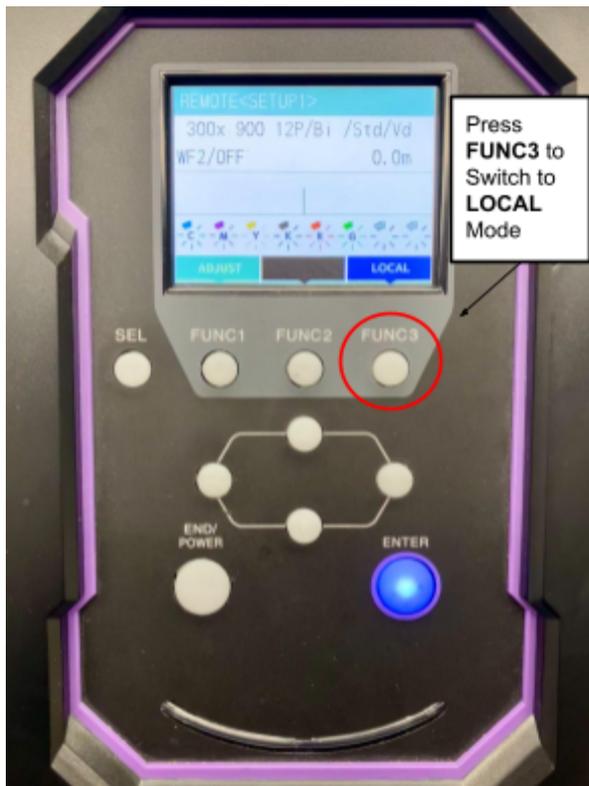


Fig 1. Screen shown while printing.



Fig 2. Printer carriage

- The carriage will move to the capping station and take a few moments to reset itself. Once it is done, it will return to the **LOCAL** mode menu.
- Once you return to **LOCAL** mode, the main menu screen will say **!DATA REMAIN**. You cannot feed media, perform a nozzle check or cleaning while the printer is like this.
- To remove the **!DATA REMAIN** message, press the SEL button to find the **DATA CLEAR** menu (Fig 4).
- Press FUNC3 to access the **DATA CLEAR** function
 - **Note:** To properly clear the data, go to the RIP computer and make sure the job has been canceled

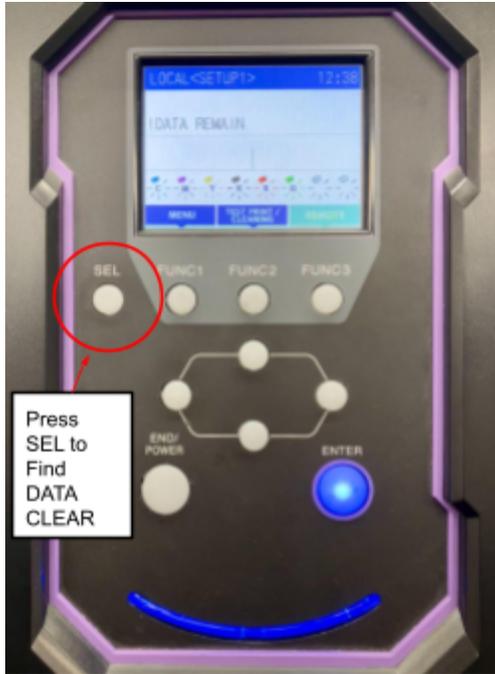


Fig 4. Finding DATA CLEAR

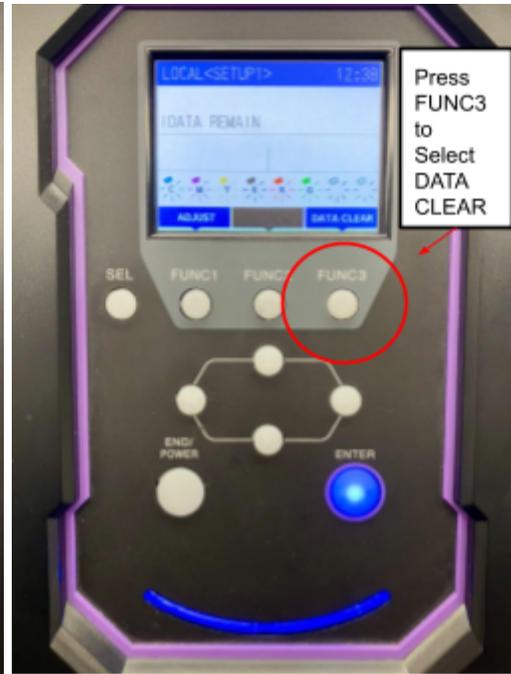


Fig 5. Selecting DATA CLEAR

- To execute a **DATA CLEAR**, press the ENTER button (Fig 5). Return to the main menu by pressing SEL 2 times (Fig 6).

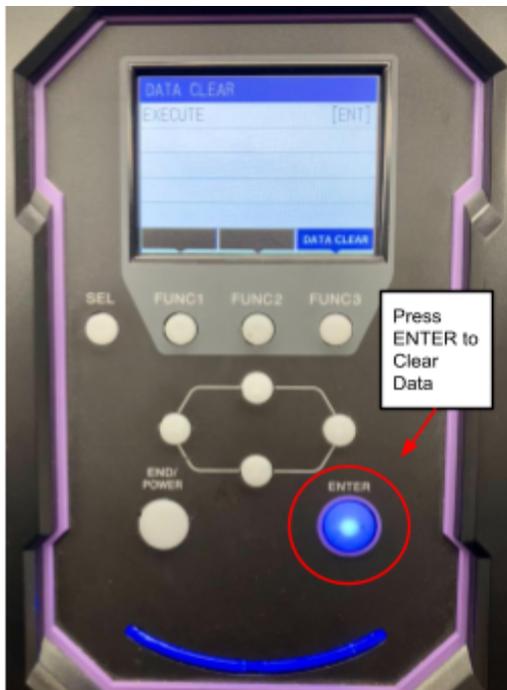


Fig 5. Execute Data Clear

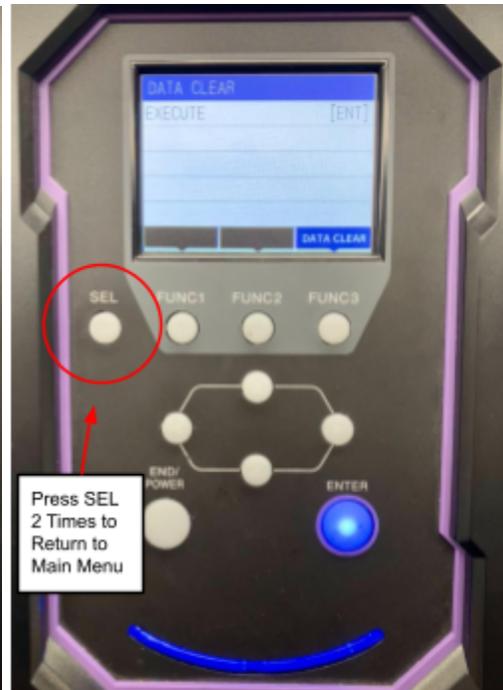


Fig 6. Navigate Back to Main Menu

- Advance the media forward until the splice passes the print area.

- Put the printer on **REMOTE** mode and start printing the remainder of your print jobs. Make sure to reprint anything that was cut off due to the splice as well as any jobs after it.

The above Avery Dennison literature provides information to the user for proper application, storage and other requirements. Please refer to Product Data Bulletins or your local Avery Dennison Representative for warranty information. Find the latest information on the Avery Dennison website, www.reflectives.averydennison.com. We encourage you to check our website periodically for updates.

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