Installment 1814-C

Adjusting Winder Speed & Rewinder Tension

Why do we do this?

Adjusting the speed on the Colordyne 1600C unwinder is imperative because if the media is not fed into the machine consistently it may result in paper jams or paper_path errors.

The tension level on the rewinder is necessary for several reasons. If you are printing in Roll-to-Roll mode and the tension on the rewinder is to tight the Colordyne 1600C Label Printer will not be able to retract the blank labels. You may also find that if you are printing labels that are less than three inches wide there maybe to much tension on the rewinder which can cause orientation issues with the printed artwork in addition to multiple blank labels as well. If you as an end user notice these situations occurring with your Printer and Rewinder setup, utilize the instructions in this document to assist in adjusting the tension in the Rewinder.

Steps to follow:

- Power off printer
- Power rewinder off

Directions for adjusting the speed on the unwinder:

Begin by making sure the unwinder is set to "**Auto**". Then after successfully loading the unwinder up with media and after successfully feeding media into the printer, assess the position of the dancing arm on the unwinder. Reference Figure 1 and confirm your dancing arm is in a similar position.

When end users experience problems with their unwinder it is often attributed to the speed at which they have the unwinder set to. If the unwinder is set to a speed to high or to low you will notice that the dancing arm does not stay steady as media is being fed into it.

There are two tall tell signs the speed of the unwinder is set inappropriately. The first sign is as the printer is printing a job the dancing arm of the unwinder begins to jump up and down the surface of the media in an unstable manner. Indicated by the arrows in Figure 2. The second sign is when the spindle of the media is loaded on does not turn uniformly as media is fed into the machine. Each turn is broken and or jittery.

If you notice the dancing arm is moving as depicted in Figure 2 you will want to utilize the speed gauge and increase the speed or decrease the speed to a point where the dancing arm is no longer jumping.

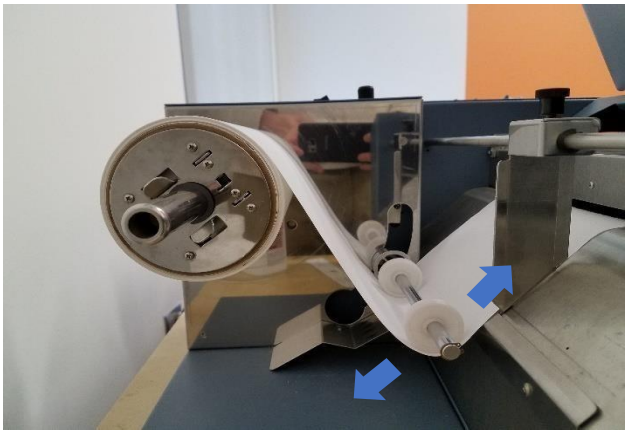

Figure 1.

Figure 2.

Directions for adjusting the speed and tension on the rewinder:

As printed media comes out of the machine and is taken up by the rewinder it is imperative the dancing arm of the rewinder stays uniform. Just as we previously discussed with the unwinder.

If the end user observes that the dancing arm is bouncing, just as directed above. Adjust the speed of the rewinder so that the dancing arm maintains a constant steady uniform state and is no longer jumping across the surface of the media.

Additional to adjusting the speed of the rewinder you also have the ability to adjust the tension of the rewinder as well.

The tension bar of the rewinder is dependent on the size of the label you are printing. If you are printing on media less than 3” in width. It is advised you utilize a tension value between 0 and 1.

If the end user is printing on labels greater than 3” in width. The tension value should be set between 2 and 4.

Each and every rewinder shipped out by Colordyne should have a tension cheat sheet on it similar to the one displayed in Figure 3 below.

Figure 3