Placing the plate alignment labels on the VLF Trendsetter

Context

☑ VLF Trendsetter

Background

Plate alignment on the 5880 and the 5080 Trendsetter is accomplished by manually locating the plate edge at a label on the loading table.

Tools and parts

- Labels (74-3114A)

  Eight labels are included with the VLF Trendsetter Operator Manual when the units are shipped.

Steps

1. Determine what sizes of media are going to be run through the Trendsetter.

   The current imageable range of width is from 15 ½ to 80 inches (393.7 to 2032 mm).

2. Decide which plate edge to use.

   Each label can be placed so that either the left or the right edge of the plate lines up with it. The right edge is a better choice because there are four pins on the drum cylinder that are used to register the plate. Plates wider than 30 inches use the outside pins, while plates narrower then and equal to 30 inches use the left pin and one of the middle pins. Therefore, the left edges of the plates will be located at about the same spot, while the right edges will be quite far apart.

3. Calculate the values of X1 (if using the right plate edge) or X2 (if using the left plate edge) for each media width using the equations in the table below.

   These values ensure that the middle of the plate will be half way between the corresponding registration pins. Work in either mm or inches.

   A is the distance from the outer edge of the engine clamp plate to the edge of the table on the non counterweight side (X2 side) and is measured in the factory. Use a value of 1.18" (30 mm) for A.

Metric (mm)

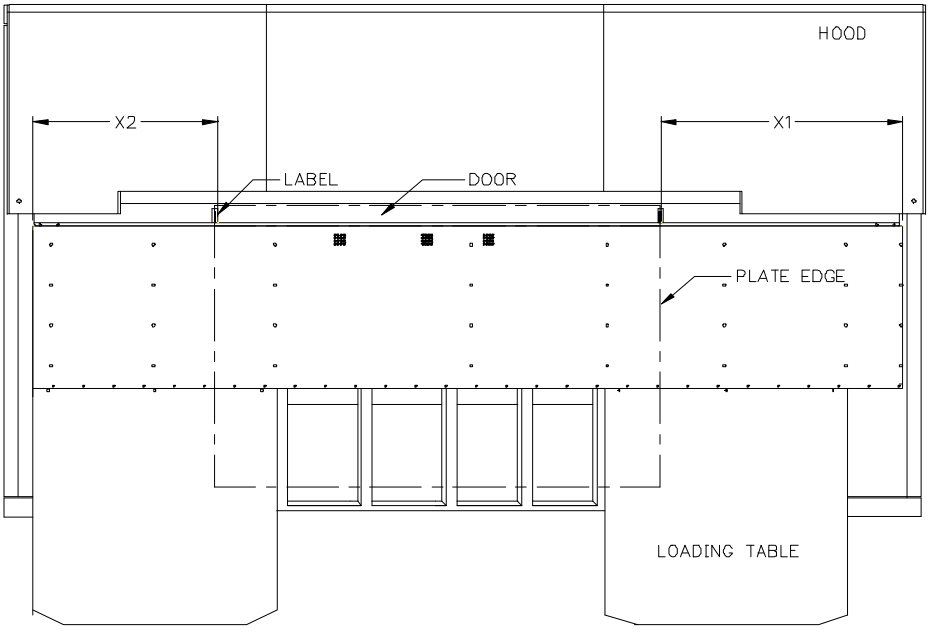
Plate width (*w*)	X1 (right edge)	X2 (left edge)
762 ≤ w ≤ 2032	X1 = 1542.6 + A - (w/2)	X2 = 1369.5 - A - (w/2)
558.8 ≤ w < 762	X1 = 1639.1 + A - (w/2)	X2 = 1273 - A - (w/2)
330.2 ≤ w < 558.8	X1 = 1751 + A - (w/2)	X2 = 1161 - A - (w/2)

Imperial (in)

Plate width (*w*)	X1 (right edge)	X2 (left edge)
30 ≤ w ≤ 80	X1 = 60.7 + A - (w/2)	X2 = 53.9 - A - (w/2)
22 ≤ w < 30	X1 = 64.5 + A - (w/2)	X2 = 50.1 - A - (w/2)
13 ≤ w < 22	X1 = 68.9 + A - (w/2)	X2 = 45.7 - A - (w/2)

5. Place the label, on the door as shown below, so that the center line on the sticker is located either at the *X1* or the *X2* measurement (measured from the edge of the table) for the media sizes you are using.

   The thin blue line on the label indicates the theoretically correct location of the plate edge. The thick blue line indicates the acceptable range of plate edge locations.



Notes

This information is also contained in Appendix E of the Trendsetter/VLF Trendsetter installation procedure (78-3180AA).