



Address Label Location

Where the label is applied to the newspaper is affected by three things:

- Type of inserter and gripper (top-grab vs bottom-grab)
- Where printer is located (on gripper conveyor or on belts leading into stacker).
- Printhead direction (printing up or printing down).
When printing on the gripper conveyor, the printer can only print up (a.k.a. towards the gripper)

This document provides three diagrams showing possible locations for address labels on the newspaper.

General Rules

- The actual label requires 1.5 inches high by 4 inches in length. Another inch in height ($\frac{1}{2}$ inch above and $\frac{1}{2}$ inch below, yielding a height of 2 inches) is reserved to accommodate fluctuating location of the paper in the grippers. 2" x 4"
- When printing on the gripper conveyor, the label can only appear on the dragged edge and side of the paper facing forward in the direction of travel, or away from the grippers when being dragged.
- If the label is to be applied on a belt conveyor (this includes on systems with grippers, but the printhead is located between the gripper conveyor and before the stacker) and the printhead can be mounted either on top or below, then the label can appear as shown in diagram (C) below. This is the most flexible but introduces a few rules:
 - Between the gripper system and stacker there must be a belt conveyor capable of supporting a printer. This is exceptionally rare, requires the room for this extra conveyor, and is an expensive modification to add this conveyor if it does not already exist.
 - If the belt conveyor is comprised of wire bands separated by enough space to fit the printhead in between the bands, the printer can be mounted below the paper and print in between the bands. If the belt conveyor is of the more common belt type, the printer must be mounted on top, because you cannot print through the fabric of a belt conveyor.
 - When printing on the belt, production must run at a significantly reduced speed in order to separate the papers from each other on the belt.

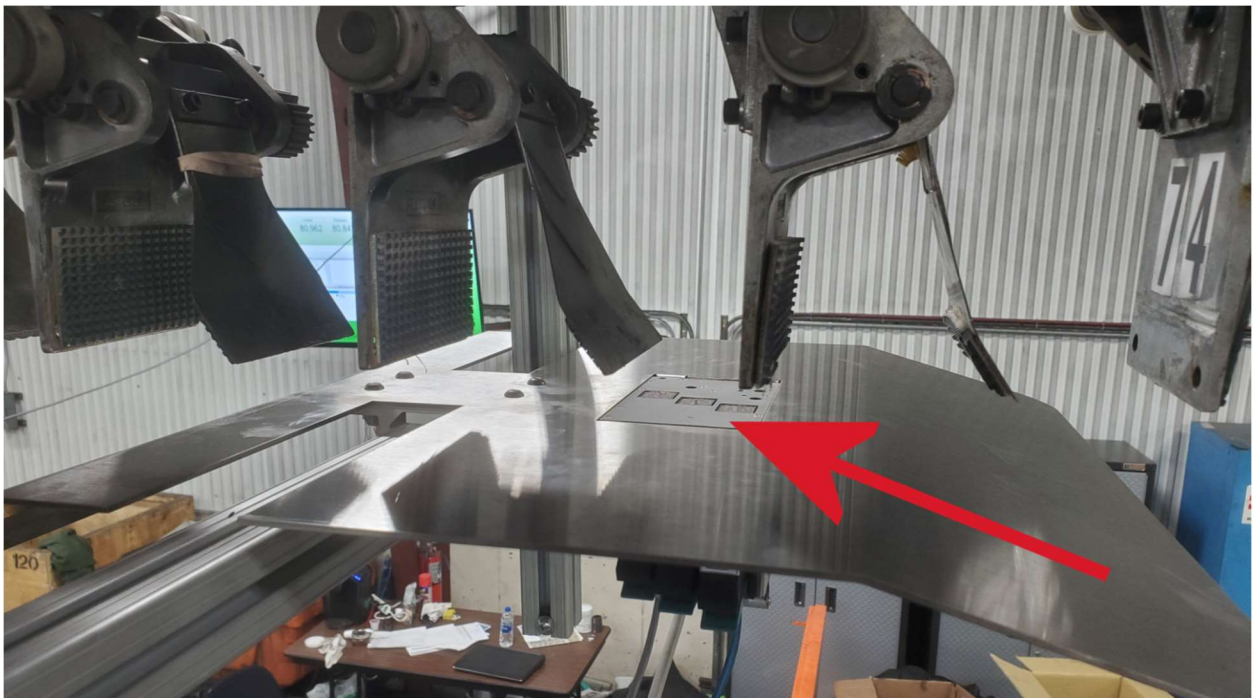


To help visualize why the label must appear on the dragged edge (forward side in the direction of travel), see the following photo:



In this scenario, the printhead is located below the stream printing up. The part of the paper that is dragged is the only part that is exposed to the paper.

The next photo shows the location of the printheads in relation to the stream.





Diagrams

In the examples below, the first two show the most common setup, both which include:

- Printing on the gripper conveyor.
- Printer mounted below the conveyor printing up.

To visualize a tabloid, use the folded edge as a guide.

We understand that some of this might be difficult to follow. When we provide this document to you, we will also inform you which diagram below applies to your site without any significant¹ modifications to your inserter and tie-line. If we failed to do this, or you cannot locate that bit of information, please contact QUIPP for clarification.

¹ Many sites do not have the room for a conveyor redesign, regardless of cost.



A

SLS type inserters with printing on the gripper conveyor.

Physical Setup

- Grippers grab papers from top.
- Printhead located underneath the stream, printing up.

General Rules:

- Side with longer lap will receive the label.
- Label will appear along the folded edge.



Typical
Long lap on top half.
Label above the fold.



Less Common
Long lap on bottom half.
Label below the fold.



B

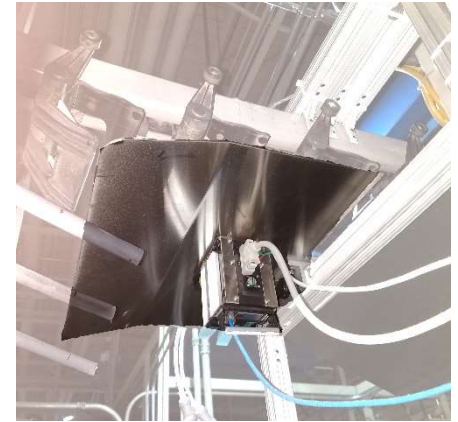
NP type inserters with printing on the gripper conveyor.

Physical Setup

- Papers fall into the grippers where they are then grabbed from the bottom.
- Printhead located underneath the stream, printing up.

General Rules:

- Side with longer lap will receive the label.
- Label will appear along the cut edge.



Typical
Long lap on top half.
Label above the fold.



Less Common
Long lap on bottom half.
Label below the fold.



C

Printing on a belt conveyor.

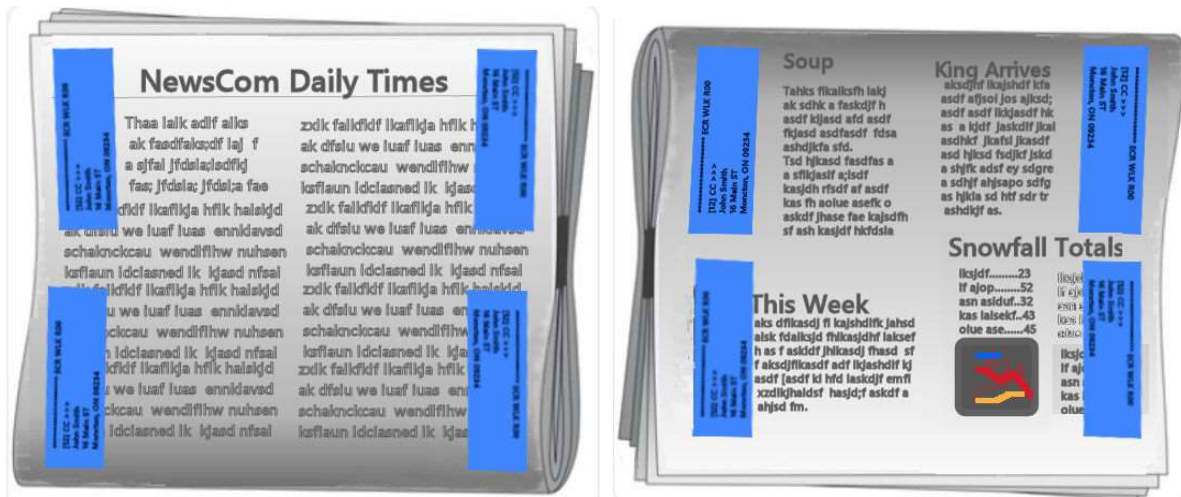
This is a non-typical configuration. If you think this setup applies to your site, ask questions – be sure.

Physical Setup

- Papers fall into the grippers where they are then grabbed from the bottom.
- Printhead located underneath the stream, printing up.

General Rules:

- Side with longer lap (most often the top-half of the front page) will receive the label.
- Label will appear along the cut edge.



When printing on the belts, whether it is above the fold or below the fold depends on which half is facing the printer when the paper is on the belt.



D

Printing on a gripper drum transfer.

This is a non-typical configuration and requires modification of your gripper to stacker transfer area.

Physical Setup

- Grippers grab papers from top.
- Printhead located at the gripper drum transfer area.

General Rules:

- Side with longer lap will receive the label.
- Label will appear along the cut edge.



Typical
Long lap on top half.
Label above the fold.



Less Common
Long lap on bottom half.
Label below the fold.