

Document Handlers, Inserters - Paper Issues That Can Affect Your Unit

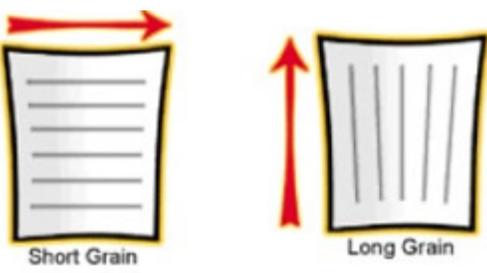
There are several paper issues that can affect the performance and productivity of Document Handlers and Inserters.

The three most common are:

- A. Paper Curl**
- B. Static Electricity**
- C. Toner Fixation**

If you are experiencing **jamming, double feeding, and / or excess roller cleaning**, it may be necessary to check one of the following material issues:

A. Paper Curl:

Problem:	Cause:	Solution:
<p>Jamming resulting from paper curl.</p>  <p><i>Examples Of Paper Curl</i></p>	<p>1. Use of Multi-purpose and Recycled Paper that have higher moisture content.</p>	<p>1. Do not use multi-purpose and recycled paper.</p>
 <p><i>Example of paper curl after it has been printed from a copier / printer.</i></p>	<p>2. High speed laser printers and copiers have a quick drying process that can apply intense heat.</p>	<p>2. The fusing process may need to be calibrated to apply a less intense heat to the paper.</p>
	<p>3. The use of short grain paper.</p>  <p>Short Grain Long Grain</p> <p>- High quality paper will indicate the direction of the grain. Use laser paper in a laser printer.</p>	<p>3. Use long grain paper.</p> <p>- It can minimize the effects and curl less.</p>

How to handle paper to reduce curl:

1. Store paper in original packing.

2. Paper can gain moisture content in higher humidity and higher temperature settings, which increases its chances of curling.

Store paper in:

- 30% to 50% humidity
- 65° to 75° fahrenheit

3. Packaging sometimes uses moisture-reducing material to protect the paper. Open the pack of paper only just before use.

4. Always feed with the arrow side of the paper pack into the printer first.

- Higher quality papers have an arrow that indicates the direction of the grain of the paper.

5. The less expensive the paper, the more likely issues will occur.

B. Static Electricity (Charge):

Problem:	Cause:	Solution:
<p>Double feeding, incorrect folding, and jamming resulting from static charge on sheets of paper.</p>	<p>1. Higher moisture content causes a static charge.</p> <p>2. The fusing temperature of the printer or copier is set too high.</p> <p>3. Poorly maintained laser printers and copiers do not discharge the paper as it is ejected.</p>	<p>1. Keep the unit in a low moisture environment.</p> <p>2. Keep the fusing temperature of the printer low. - Optimal setup of your laser printer should be discussed with your printer supplier or service technician.</p> <p>3. Make sure that the various anti-static brushes are properly fitted on the laser printer or copier:</p> <ul style="list-style-type: none">- Bristles should be even all the way across.- Bristles need to make contact with the paper.  <p>Image Of Anti-Static Brushes In Copier</p>

C. Toner Fixation :

Problem:	Cause:	Solution:
<p>Document Handler / Inserter rollers are dirty and need to be cleaned more frequently.</p> <p>- This will cause them to wear more quickly.</p>	<p>1. Toner is not adhering to the paper properly.</p> <p>- Toner will make the rubber rollers in any machine slick.</p> 	<p>1. Make sure the fusing temperature of the printer is high enough to fuse the toner to the paper.</p> <p>- Optimal setup of your laser printer should be discussed with your printer supplier or service technician.</p>

To test that the toner is adhering to the paper properly:

1. Fold the printed document in half.
2. Sharpen the fold line by sliding it between thumbnail and finger.
- At the inner side of the fold, the toner must stay affixed to the paper.
3. Contact the printer supplier or service department if there is still a problem.