

## Corrugated Printer Reduces Rejects and Increases Production

### Background

Printing on corrugated boxboard can be a challenging process. With higher resolutions on coated liner and high coverage printing, dust and dirt from slitting and sheeting can cause havoc to production. Frequent stops for plate cleaning and premature damage to anilox rolls are avoidable expenses.

### Problem

A corrugated display printer was having problems printing on their corrugated sheets. The problems were most profound when printing on white and high- holdout materials.

The large quantities of dust and “angle hair”, creating during the slitting and sheeting process were being left on the sheets. The dust particles and angle hair were sticking on the printing plates causing specs and imperfections on the sheets. **Rejects** were as high as **50%** requiring them to print 1200 sheets just to get 600 quality printed products.

They frequently had to “double-run” through the press just to get an acceptable product. Downtime for press cleaning was increasing.

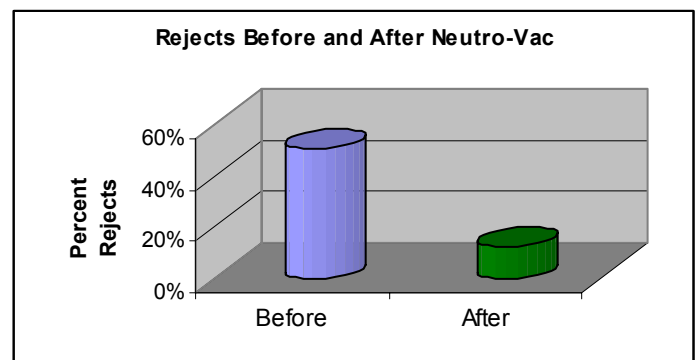
### Solution

To solve the “dirt” problem, a Simco sheet cleaner was installed on their rotary diecutter to help improve the overall operation.

The **Neutro-Vac 5-Point** cleaning system makes sheet cleaning more effective and efficient. The system includes a vacuum hood, brushes for loosening and capturing dust, an air bar to shear particles off the surface, and static control to reduce particle attraction and adhesion.

### Results

After the installation of the Neutro-Vac, the visible paper dust was virtually gone. Printing quality drastically improved. **Rejects** caused by specs and printing imperfections were **reduced by over 75%** resulting in an overall production increased as well.



### Return-On-Investment Calculation:

**Reject Costs** from production losses and unscheduled maintenance = \$52,000

**Cleaning Costs** including equipment, operating costs, depreciation = \$8840

**ROI = 265%**

**Payback Period = 5 months**

## Corrugated Manufacturer and Printer Reduces Rejects and Increases Production

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### Background

Printing on corrugated boxboard can be a challenging process. With higher resolutions on coated liner and high coverage printing, dust and dirt from slitting and sheeting can cause havoc to production. Frequent stops for plate cleaning and premature damage to anilox rolls are avoidable expenses.

### Problem

A manufacturer and printer of corrugated packaging and display items was having problems printing on their corrugated sheets. The problems were most profound when printing on white and high- holdout materials.

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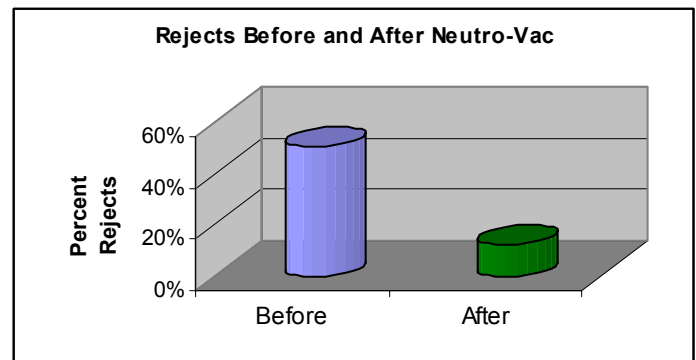
To solve the “dirt” problem, a number of options were evaluated. One option was to install a plate washer and cleaner. However, the equipment and installation costs were estimated to be over \$0.5 million.

A more cost-effective option was to install a sheet cleaner on the corrugation machine just after the knife. **Simco’s Neutro-Vac Cleaner** was chosen to provide the solutions to the dust and dirt problems and to help improve the overall operation.

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### Results

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### Return-On-Investment Calculation:

**Reject Costs** from production losses and unscheduled maintenance = \$80,000

**Cleaning Costs** including equipment, operating costs, depreciation = \$17,600

**ROI = 219%**

**Payback Period = 5 months**