

Application Notes

Cleaners – Corrugated & Paperboard Cleaning



Industry	Problem	Solution	Result
<p data-bbox="139 415 444 451">Corrugated/Paperboard</p> <p data-bbox="139 489 302 525">Application</p> <p data-bbox="139 562 425 705">Removing surface contaminants after slitting, or die cutting, prior to print.</p>	<p data-bbox="480 415 779 814">Slitter dust, chaff from sheeting, and other environmental contaminants on the surface of the material make it impossible to achieve production goals, and difficult to maintain quality print standards set by the customers.</p> <p data-bbox="480 852 795 1367">Hickeys, line voids, and other imperfections will render even single color jobs unacceptable. High coverage jobs on high holdout material cause most problems, with manufacturers having to stop production often to remove the accumulation of surface contaminants from the print plates.</p> <p data-bbox="480 1404 795 1766">Laminating processes are also affected by surface dust. Coating thickness, or application problems can occur, along with adhesion problems that result in bubbles or blisters under the surface of the finished product.</p>	<p data-bbox="821 415 1136 888">Installation of a vacuum system that includes static control, on the dry end of the corrugator immediately after the slitting operation. The most effective systems use contact brushes attached to the hood, and a high velocity air blast to dislodge the particulate from the surface.</p> <p data-bbox="821 926 1130 1367">Some manufacturers prefer to install the vacuum system on the die cutter, just prior to printing. The equipment is generally custom designed for these locations; however, the results are usually better since the hood is so close to the print station.</p>	<p data-bbox="1162 415 1461 743">Reduction in production downtime, and rejects. One customer reported a 56% decrease in production rejects, and operators spent less time hand wiping and cleaning the plate.</p> <p data-bbox="1162 781 1455 1037">Based on production savings, this same customer reported a return on their investment (ROI) of 250%, with a payback period of 4.5 months.</p>

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Ward Die Cutter



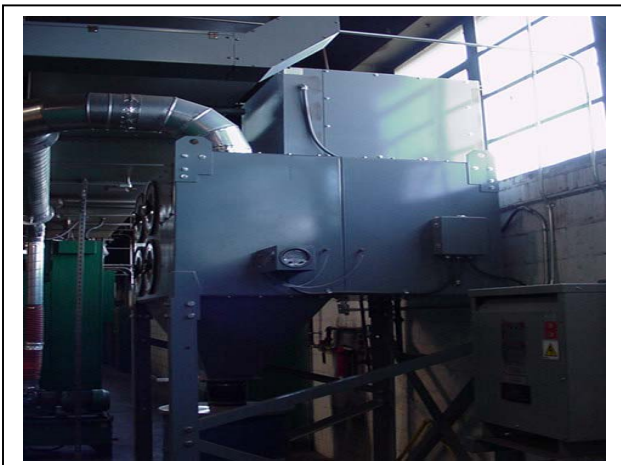
Harper Die Cutter



United Die Cutter



Slitting Operation



Continuous Clean Collector



Low Volume Die Cutter Collector