

PROBLEM***Disposal of the Stiff Scrap Matrix***

Carton Master of the Midwest, Inc., planned to install a new narrow-web folding carton press to produce a large volume of small folding cartons at their plant in Hamilton, Ohio. The roll-fed press is specifically designed for printing and die cutting high-quality, short-run folding carton jobs. The primary responsibility of the press operator is to maintain product quality. Disposal of the stiff scrap matrix needed to be virtually automatic and as noiseless as possible, to allow the operator to concentrate on the press, not on scrap removal.

SOLUTION***A Pneumatic Scrap Handling System***

A pneumatic scrap handling system was installed that took the 16¾" wide scrap matrix directly from the press and cut it into pieces so that it could easily be conveyed and baled. The conveying air is filtered and returned back into the plant. The heart of the system is a **BloApCo Model 5SC Trim Cutter "rail-mounted"** with a **BloApCo Model 25-4 Material Handling Fan** and located in a pit directly in line with the press discharge. The scrap matrix is drawn directly into a rectangular pick-up duct, through a silencer, into a trim cutter and fan, to a cyclone mounted above a closed door baler. Uniform scrap pieces produced by the BloApCo trim cutter yield denser bales, saving haulage costs. The conveying air is returned to the plant through two large filter bags for an energy-efficient system.

Because the scrap handling system is installed below floor level, the press operator does not have to be concerned with scrap disposal, the noise level is reduced, and the area is clear, simplifying general access and maintenance.

Carton Master of the Midwest, Inc., Hamilton, Ohio

