

PROBLEM**Continuous Laminated Edge Trims**

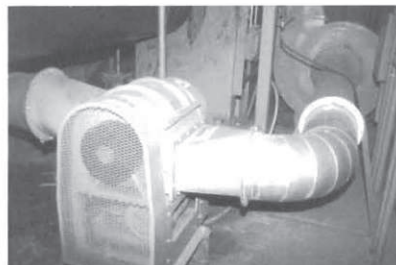
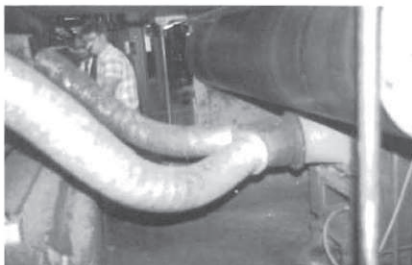
An existing pneumatic scrap handling system at the **Rock-Tenn Company of Columbus, IN.**, could not tear apart and handle two continuous edge trims produced on a laminator resulting in duct plugging and other costly downtime. The laminator, operating at speeds of up to 550 FPM, produced two edge trim strips up to 8" wide and as thick as 1/4". The system depended upon the material handling fan with breaker bars to tear apart and pneumatically convey this extremely thick and tough edge trim.

SOLUTION**A BloApCo Model 8-5 Trim Cutter**

Our material handling engineers recommended installing a **BloApCo Model 8-5 Trim Cutter** in the existing duct, between the point where the two ducts converged in a "Y" fitting into a larger diameter duct that led into the face of the material handling fan.

Located in this intermediate position, the cutter had to be capable of handling the two edge trims which were 1/2" thick. The addition of the cutter was the only change in the entire system. The Model 8-5, with its unique progressive impact shear cutting action, had no difficulty cutting the total 1/2" material into 3.3" maximum lengths at the rate of 2,000 per minute, which could then be easily handled by the conveying duct and material handling fan.

The rotating knives are driven by a heavy-duty 5 HP drive and are also equipped with a flywheel to maintain inertia. The rotating knives are V-belt driven so the cutter speed can be readily adjusted to match future production line requirements. Since the relatively inexpensive addition of the BloApCo trim cutter to its line, Rock-Tenn has eliminated jam-down time with the added benefits of reduced energy consumption and less sound radiation.

Rock-Tenn Company of Columbus, Indiana

Two continuous strips of heavy laminate edge trim are picked up from the laminator (left) at speeds of up to 550 FPM. The strips then converge at a "Y" fitting and are pneumatically fed into the BloApCo Model 8-5 Trim Cutter which cuts the 8" wide strips into 3.3" maximum lengths at a rate of 2,000 per minute.