5-shaft BloApCo shredder design

Central conveyor dumps boxes and scrap into large hopper for automatic shredding, bailing or compacting.

High-capacity ("HC") BloApCo systems are weathertight and security enclosed to prevent unauthorized entry. This enables them to be installed either inside or outside. Outside installations offer many advantages including space saving, noise reduction and easy storage of finished bales. As pictured, the installation can be easily, inexpensively and attractively enclosed.

Typical shredder configurations discharging into a baler and compactor
Dual order picking and waste handling systems

This large soft goods retain chain services several picking areas in its distribution center with a single centrally located Shredder/Baler system.

Employees in the right picking area simply toss empty boxes onto an inclined trash conveyor (green).

The secondary picking area is located on the left on a mezzanine. When the cartons are emptied they are dropped, intact, through trash holes. They fall into a conveyor system (blue) which transports and feeds them into the centrally located shredder (red).

Innovative Features

**High level discharge monitor**
Should “back-up” occur in baler feed chute, monitor stops shredder feed conveyor until level drops to operating point. System feed conveyor then automatically restarts.

**Dual function loadmeter sensor** Controls water mist system. Used to improve balability of some materials. Monitors shredder motor current. Relay actuates water mist solenoid valve only when level exceeds preset (no load) condition. Sensor is also used to cycle feed belt on and off as shredder approaches full load to help prevent overloading.

**Box crusher**
Recommended when majority of boxes to be shredded exceed 12” height. Crusher accepts boxes up to 38” high by pre-crushing them to a size that can be accommodated by the shredder configuration.

**Safety overweight plate**
Dual pivotally mounted conveyor bed treadles are counter-balanced by adjusting coil springs. Whenever loads over 60 to 80 pounds reach this conveyor area, clutch drive is disengaged and shredder motor power is cut.
Vacuum filter unit Ultra-sanitary operations, such as in the food industry, pharmaceutical plants, printing operations and electronic manufacturing, require absolute dustless working conditions. A vacuum filter, positioned atop shredder discharge chute, employs a small fan to create a negative pressure throughout the piggy-back system by discharging air up through filter bags, preventing dust escapement.