



# OSPREY *Newsletter*

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## Questionable Savings on Reduced Poly Thickness

By Martin A. Price  
Product Development

With the price of fluffing pulp steadily increasing, many manufacturers of soft disposable goods are looking for ways to reclaim reject product and also save on other raw materials. One method of saving which is gaining popularity involves decreasing the thickness of the outer shell or other polypropylene or polyethylene components of the product. Osprey has received a number of inquiries regarding older reclaim systems which are experiencing fluff contamination due to thinner poly layers in the product.

Several steps may be taken to improve this problem, depending on the age of the system. First, the inside of the separator cones and manifolds should be checked for absolute smoothness. The duct work carrying the scrap from stage to stage should also be examined. A grinding wheel, flat file, sanding disk, and silicone caulking may be required to assure an even surface.

Second, the buster fan and the three or four scrap fans which follow in series should be checked for burrs or welding slag. Inspections should also be made on the wheel and in the outlet which might tear the fragile poly.

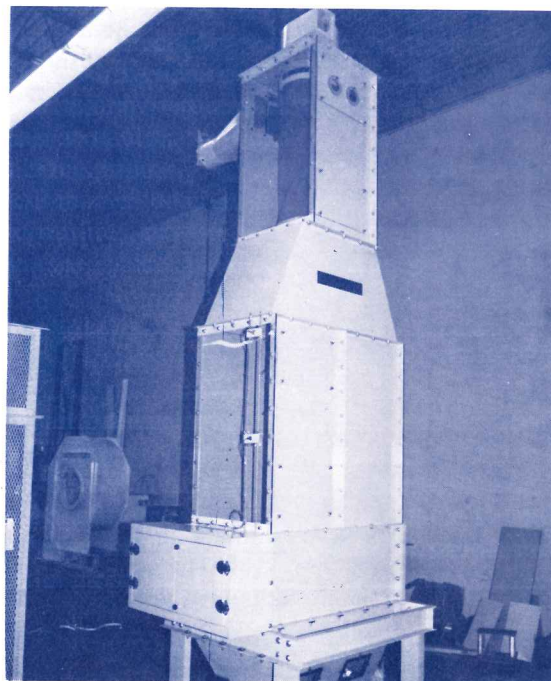
Third, adjustable inlet cutter sleeves can be moved farther away from the fan wheel to allow less destruction.

Fourth, all fans containing adjustable motor sheaves can be regulated to a slower speed.

Although these modifications may help

solve a contamination problem, companies should determine if the savings realized from going to a thinner poly is worth the impurities found in the reclaimed fluff.

Osprey encourages their customers to consider all the ramifications of using a new raw material which will adversely affect their system's capability to recover clean, pure fluff. ☺



*Pictured above is the Model VH-24x48 Vertical Hopper which provides improved metering for your product. The amount of floor space needed for the unit has decreased, although the component's capacity has increased. The Vertical Hopper works well in combination with the Osprey Volumetric Feeder.*

## "Old Bag" Idea

Several of Osprey's European customers have developed an idea for "deep cleaning" drum filter media and extending its life.

During extended down times such as holidays, weekends, and un-manned shifts, the nozzle fan and drum of each production filter are allowed to run without the main suction fans. As the filter media is "deep cleaned," the waste is diverted to a remote collection point such as an old bag filter.

This same principle can be used with a central dust cull system. By means of a diverter valve, each drum filter is allowed to discharge into the central collection unit. High efficiency cyclones or Osprey vertical sleeve collectors can also be employed for this purpose.

Deep cleaning of drum filter media is useful for processes that collect cellulose fiber, plastic dust and textile waste. ☺





## What's New

By Martin A. Price  
Product Development

**FLOOR SYSTEM** for Osprey Vacu-Max Rotary Drum Filter. This floor is made from standing seam panels laying "leg down." Similar to the 14-gauge panels used for drum enclosures, these panels are fabricated from 12-gauge steel for additional stiffness.

The floor system is bolted together, much like a drum enclosure wall. Once completed, it is laid face down. Stiffeners are supplied for the rear bearing stand and plenum wall supports.

All panels are pre-formed and pre-punched. Four drum filters were recently erected with this type of floor in Europe.

The advantages include a guaranteed level surface for the drum filter assembly and a more portable unit. Although the floor system cannot serve as a mezzanine, it does eliminate the necessity to anchor the drum filter to the floor.

**NEW DOOR AND SEAL ASSEMBLY** for drum filter enclosures. The new seal is an improvement over the previously used foam tape. New hinges have also been incorporated which contain "lift-off" features so that the door can be removed for service.


The **FS-50 FLUFF SEPARATOR**, used in the separation of soft disposable products, has undergone the following changes:

1. The cone dimensions inside the unit have changed to allow for better fluff recovery.
2. All inside surfaces are receiving a closer examination for smoothness.
3. The exhaust fluff taps are now located on the bottom so that fluff will be drawn in a more natural direction with the assistance of gravity.
4. The front door and bottom inner fan have been changed so that material does not have a flat resting place, thus causing buildup.
5. The bottom of the separator now has a "non-positive" connection in the form of a perforated metal sleeve so that air is not pulled out of the unit when the scrap is removed. This improvement was made in an effort to prevent cross-contamination such as ejected fluff re-entering the original scrap air stream.

**NEW TALLER SC-50 SCRAP COLLECTOR.** By adding another section to the existing SC-50, the body of the collector is now 167-7/8 inches tall, not including the tangential inlet manifold. Originally rated at a 5,000 CFM

capacity, the upgraded scrap collector can now safely handle 7,500 CFM of air.


Osprey designed the new unit without legs to sit on a mezzanine. This change allows the bottom section of the collector to extend through an opening in the platform toward the floor. The single 52 inch square scrap collector can be used in place of a dual sleeve unit, which normally would be required for increased air volumes.

If your equipment has an unusual air volume or placement situation, please contact Osprey for more information. 



## Stock Equipment For Sale

Osprey presently has in stock **model 6-2-S central fiber reclaim/air filtration systems** for connection to a soft disposable product line. The units are rated for an air volume of approximately 7,800 CFM to 9,000 CFM. Although complete, the enclosure hardware, manifold, fans and control panel are not assembled, but immediate shipment is possible.

Several **SAP Dosing Units** assemblies are also available for immediate shipment. Contact Osprey for further details. Units will be sold on a first-come, first-served basis. 

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## A Reminder

By Martin A. Price  
Product Development

Osprey's test facility in Conyers, Georgia, located in suburban Atlanta, has been open for nearly a year.

For test and demonstration purposes, the facility has installed an operating nucleus of an FS-150 fluff reclaim system complete with scrap collector and condenser, a test drum filter capable of duplicating most plant conditions, a BO-3036 fluff bale opener, a VH-24 vertical hopper, a VF-12 volumetric feeder and an MLF-50-ET modular lint filter with bottom collection bag and tangential inlet manifold. Should you have fiber recovery, material handling, waste or scrap handling problems, please do not hesitate to take advantage of this facility.

Please send material from your product that you wish tested to my attention with any extra details such as pounds per hour, pickup points, current air volume if available, etc. In most cases, we welcome your presence at the test.

The test facility is located less than five minutes off of Interstate 20, just east of Atlanta and approximately 30 to 45 minutes from Atlanta International Airport. The shipping address is 2001 Gees Mill Rd., Conyers, Georgia 30208. ✉

## CTMP Update - Canada

By Jeff Orwig  
Engineering Sales

Osprey has received information from a pulp producer about the status of CTMP production in Canada.

Presently, four Canadian mills are producing CTMP, and one diaper manufacturer is using 100% of this pulp in their product. According to Osprey's source, flash dried CTMP appears to be the most popular production method. With this process, a company can produce pulp approximately \$20.00 per ton cheaper since the method does not require forming, winding, slitting or rewinding.

To manufacture flash dried CTMP, pulp is first dried with heated air and then collected in a cyclone. A compactor presses the fiber into biscuits which are baled into 550 pound bales. The CTMP can be bleached to 80% brightness with hydrogen peroxide.

Although hardwood pulp would produce a brighter product than the more commonly used softwood, it is a finer fiber and tends to be more brittle.

In Europe, some disposable product manufacturers are breaking up flash dried CTMP with a chipper and a hammermill before conveying the product to their forming areas. ✉

## New Production Lines for Prod'Hygia

By Steven K. Smith  
Engineering Sales

Prod'Hygia of Hasnon, France, has projected a third quarter 1989 start-up of its third diaper production line. The new machine, as with the previous two, is being manufactured by Technipro of France.

Prod'Hygia features a full range of diaper products from newborn to adult, all available with super-absorbent polymer. The first production line began operation in 1986, followed by a second unit in 1988. Facility design and arrangements have already been made for a fourth production line to be installed and in operation in 1990. ✉

*Prod'Hygia is starting up a new diaper production line in the third quarter of 1989.*







## Osprey Announces New Brochures

By Teresa Hagen  
Sales/Marketing Assistant

A full-color brochure is now available on the Osprey Scrap Collector and Automatic Open-End Baler

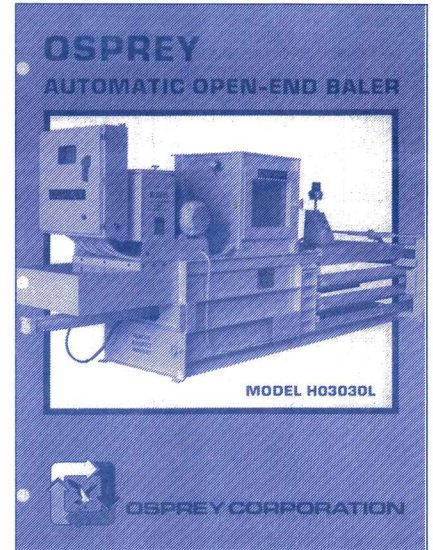
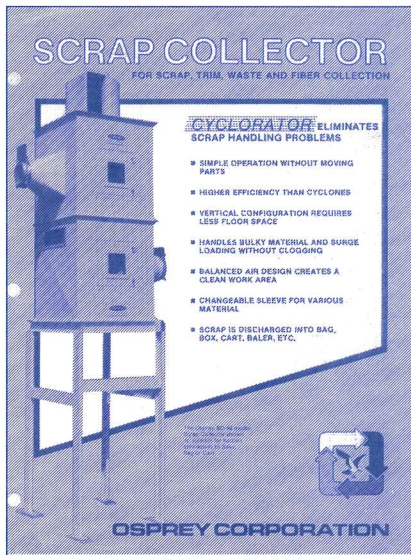
The Osprey Scrap Collector can be utilized on all types of pneumatic waste and scrap handling systems. It is an excellent replacement for cyclones and open collectors. Typical applications for collection include paper, plastic and textile edge trim, magazine and book binding waste, tissue product converting waste, reject hygienic products, start up waste, die-stamp matrix waste, corrugated trim and insulation products.

The Osprey Open-End Horizontal Baler is a practical addition to a production

process requiring improved collection and storage of waste and/or reclaimed material. Although the baler is specifically designed for fibrous

products, it has proven applications for many types of bulky, resilient materials. Engineered solutions are available for automatic and manual feeding to the baling chamber as well as complete bale handling and storage systems.

If any company is interested in receiving these or other Osprey product brochures, please contact the sales department.



## People Talk

Osprey would like to take this opportunity to introduce our new personnel:

Jeff Orwig is the most recent addition to the Osprey sales staff, bringing 15 years of technical sales experience into the position. He also holds college degrees in metallurgical engineering and business.

Barry Rudd has 12 years experience in manufacturing and production. Osprey hired Barry as R & D Technician for our test facility in Conyers, Georgia. He is in charge of organizing and running material tests. Customers are welcome to talk to Barry about their test materials.



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