



INSIDE

2

Ospreytalk
New birds in the flock...

2

Customers in Sweden Have a New Source Close to Home for Help with Osprey Equipment and Service

3

Ask Osprey
Can You Help Me Troubleshoot My Fan?

3

The New Nonwovens Pelletizing System at Conyers Demonstrates That Scrap Can Be an Asset

4

What's New?

Product Development Center To Be Expanded:

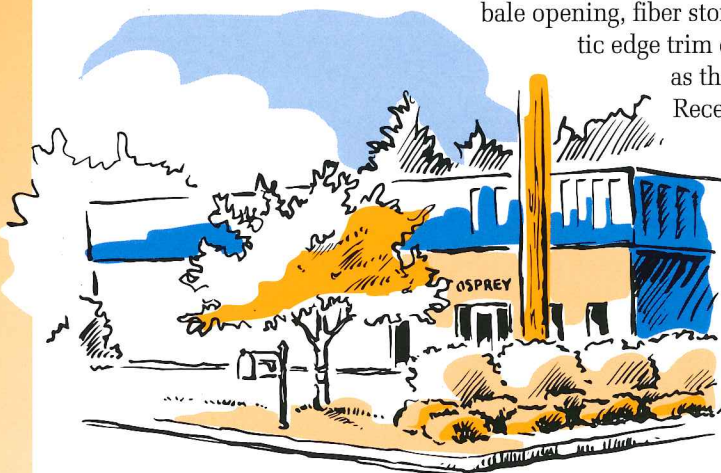
New Systems for Product Testing Include Nonwovens Trim Pelletizing System and SAP Extraction System

On the outside, the building is unassuming, a plain structure whose windows reflect the quiet fields of a country farm across the street. What's inside the Osprey Development Center is a different matter. It is crowded, filled wall to wall with whirling and humming machines that separate, measure, collect and filter a variety of materials as they travel through a maze of ductwork. These machines and ductwork represent some of the most essential systems that have come out of Osprey's process air technology.

Included in this elite collection are systems for fluff separation, bale opening, fiber storage and metering, trim handling, and plastic edge trim collection, grinding, and pelletizing, as well as the new Phoenix design drum filter system.

Recently we added systems for nonwovens trim pelletizing and SAP extraction. To make room, we are expanding the Center from 13,500 to 34,000 square feet.

Come visit the growing Product Development Center to see what these systems can do for your business. Call us for an appointment. (Find out more about the new Nonwovens Trim Pelletizing System on page 3.)

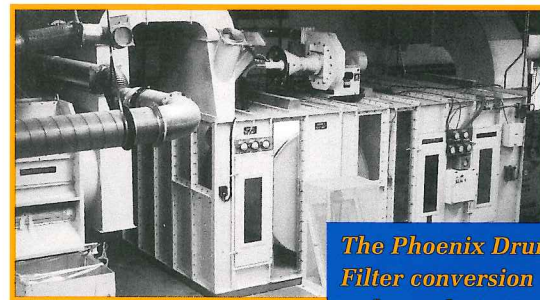


Convert a Standard Drum Filter to a Phoenix for Reduced Dust Accumulation and Lower Risk of Dust Explosion

by Steve Smith

This may be a surprise to you: We can modify your standard drum filter so you can receive the benefits of the new Phoenix filter. Those benefits include reduced dust accumulation and lower risk of dust explosion. In this procedure, known as a Phoenix conversion, we take an existing drum filter and modify it to incorporate the more critical features of the Phoenix.

An ideal time to take advantage of the conversion opportunity is when you need an extension of your drum filter. This might occur when you have gone to high-speed forming, as did a customer of ours recently, increasing his output from 300 to 500 diapers a minute. We were able to give him an economical alternative to an entirely new filter by not only extending his existing filter, but also converting it to the lower-



The Phoenix Drum Filter conversion reduces dust accumulation and lowers the risk of dust explosion.

maintenance and safer Phoenix at the same time.

The conversion process involves a number of steps. The first is to design a high-velocity air inlet, modifying any existing "Y" design or more traditional air inlet. Other additions follow, including a custom pneumatic manifold, high-

Please see **Phoenix**, page 2

Ospreytalk **New birds in the flock...**

- Our newest globe-trotting service technician is **Ken Best**. Ken managed to combine work and education beginning at the age of 15, and has worked for a composite total of 27 years in the textiles and nonwovens business.



He has worked in product development, in production as a supervisor, and at one point as a division training manager for five plants throughout the country. When Ken isn't on another continent, he devotes his time to amateur photography and fishing, or spends time with his family. The eldest of his two daughters, age 17, recently played in the band at the Opening Ceremonies of the Olympics.

- Assisting John Linehan in Parts is **Bill Smith**. A zoology major from North Carolina State, in past years his interest in animals led him to the business of breeding captive animals. Among those he bought, sold, and raised are a number of venomous snakes, including East African Gaboon Vipers and Cobras, and Clouded Leopards from South America. Bill comments, "Everyone wants to save endangered animals that are cute and cuddly, like dolphins and pandas. Someone needs to take care of the others, too." Now Bill spends his time taming the constant influx of orders in our parts department, and for the time being has tempered his love affair with animals to keeping a few fish.

- **Wendy Southard** has some loose ends to tie up. She is juggling a new job exporting for Osprey while finishing her degree in International Affairs at Kennesaw State, and planning her wedding for next spring. Even before she began working in documentation for a freight forwarder two years ago, Wendy was no stranger to faraway places. She was born halfway across the world in Thailand, and speaks fluent Thai, adding to Osprey's growing collection of employees conversant in the languages of our friends and customers.

... Growing Wings

- **Marsha Vice** somehow manages to squeeze in more days sailing with friends in the Caribbean than would seem possible in the average allotment of vacation time. When she's not sailing she is usually on a weekend excursion at the beach, devouring a string of novels. At work, Marsha's versatility is well known. After seven years with Osprey, she has done everything from customer tracking to handling trade show shipments. Most recently, Marsha was promoted to administrative assistant to the sales department, working with both Osprey systems and Firefly fire prevention systems and parts. 🌐

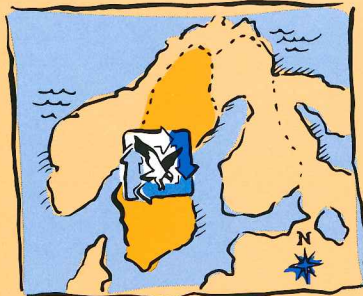


Phoenix

Continued from page 1

speed drive arrangement, and exterior fluorescent lights. The other essential modification is to design the enclosure floor contours to create a specific pre-calculated air flow.

If you'd like to see a Phoenix conversion for yourself, there is one set up at our Product Development Center in Conyers. Testing in the past has shown the Phoenix to have an efficiency of 99.5 percent just like the standard drum filter. Inside the filter enclosure, however, there is virtually no dust accumulation, guaranteeing both less maintenance and a lowered risk of dust explosion. 🌐



Customers in Sweden Have a New Source Close to Home for Help with Osprey Equipment and Service

by Jeff Orwig

Our Swedish customers have a new resource for Osprey equipment and service assistance. HB Miljo & Teknik AB is Osprey's new representative in Sweden. They are a young company, whose people nevertheless have more than 30 years' combined experience in the field of air pollution control. They focus on providing companies with a complete service program, including after-sales service and eventually, spare parts.

As a company specializing in filtration and air quality, HB Miljo is a natural partner for Osprey in the field of process air. HB Miljo offers both service contracts and accurate measurement services, including dust emissions measuring, SAP analyses, and noise measurements. In addition, they can provide electrical control panels with the CE mark.

You can reach HB Miljo & Teknik AB at: Box 22292, Florettgatan 35, 250 25 Helsingborg, Sweden, Telephone: 42-152255, Fax: 42 162155. 🌐

Ask OSPREY THIS ISSUE: Can You Help Me Troubleshoot My Fan?

For the fall issue of the Osprey newsletter, we have chosen a customer's question that applies to almost every Osprey system in existence. The question involves fan maintenance. Since air movement is the essence of the Osprey system, proper fan maintenance helps ensure a long, efficient life.

Question: **"The main system fan on my Osprey Drum Filter has developed a heavy vibration, and some accompanying noise. What could be causing this? And should I worry?"**

Dave Colburn, the head of our field service department, has this answer:

"Any vibration is serious, since it can interfere with fan efficiency and even lead to an eventual breakdown. This is an abbreviated list of questions to ask yourself in cases of fan vibration and/or noise:

1. Can you see any misalignment of the bearings, couplings, wheel, or v-belt drive?
2. Is the foundation stable? If the foundation is uneven, has a spacer or grouting been added to level the foundation?
3. Is there foreign material build-up in the fan that is causing imbalance?
4. Are the bearings worn?
5. Is there damage to the wheel or motor?
6. Are any bolts or set screws loose or broken?
7. Is the shaft straight?
8. Is the coupling worn?
9. Are both the fan wheel and the driver balanced?
10. Is the voltage high or unbalanced? Incorrect electrical input can cause a 120 cycle magnetic hum.
11. Is the fan delivering more than rated capacity?
12. Are the dampers and inlet vanes stable?
13. Is the speed correct? How about the fan rotation?
14. Is the vibration being transmitted from another source?

Remember that any fan problem may be a combination of several of the above factors. You can find a more complete list of troubleshooting tips in the installation and operation manual that comes with your fan. If you need a new copy, let us know. 🌐

Win a prize for the best question to Ask Osprey

"Ask OSPREY" is a regular column for the Osprey Newsletter. Each quarter we publish a customer question, and give you the solution recommended by a member of our long-time engineering and technical staff. The person who submits the winning question receives a package of Osprey merchandise, including the Osprey hat, Osprey calculator, and Osprey tape measure with duct conversions. Send your questions to Ann Litrel, OSPREY Newsletter, 1835 Briarwood Road, Atlanta, GA 30329, USA, or fax them to Ann's attention at (404) 321-7776.



The New Nonwovens Pelletizing System at Conyers Demonstrates That Scrap Can Be an Asset

by Kirk Harpole

A nonwoven production line can produce thousands of yards of trim an hour; a soft disposable line, many kilos of bag tails, leg notches, and reclaim system scrap. In many cases, all of this is simply baled and carted away as waste.

The new Osprey Nonwoven Trim Pelletizing System takes nonwoven scrap or waste and pelletizes it. The advantage of storing scrap as pellets instead of in bales is reduced volume, and thus easier handling. The consolidated waste in the form of pellets can then be sold, used as fuel, or returned to the extrusion process as raw material.

The following are a few applications for the Pelletizing System. In both cases it reclaims unused material for profitable use:

1. On the Nonwovens Production Line

A nonwovens production line generates a tremendous amount of scrap or trim. An attached Nonwovens Trim Pelletizing System gathers the trim and feeds it into a hopper which fits over the pelletizer. If the size of the pellets is adjusted to accommodate the extruder, the pellets can then be fed directly back into the extrusion process. The advantage of this system is that the material has not gone through an additional extrusion process to prepare it for production again. This means there is not an additional heat index added to the reclaimed material.

2. On the Osprey Fluff Separation or Reclamation System

A Fluff Separation System takes reject soft disposable products, breaks them apart, and recovers the fluff. An attached Nonwoven Pelletizing System can then take the remaining scrap and pelletize it, not to put it back into production, but to make it salable. Some of our customers sell it as fuel for waste heat boilers, and others find manufacturers who can use it in their own production process. 🌐



What's New?

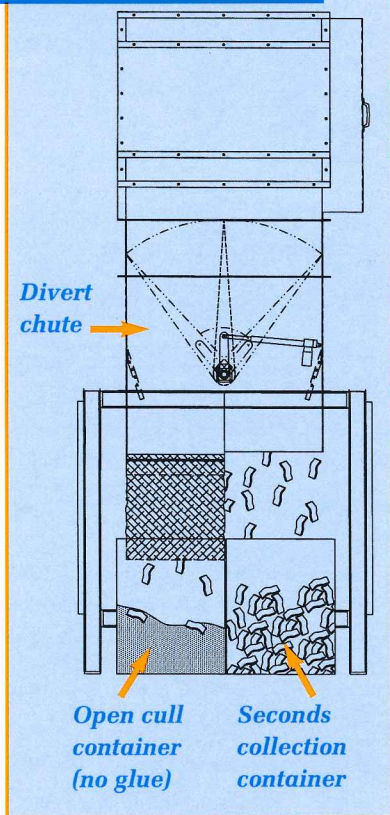
by Marty Price

Osprey Cull Collection System Automatic Cull Collection Streamlines Fluff Separation Process

Reject diapers are expensive mistakes. For that reason many diaper manufacturers use Osprey Fluff Separation Systems, to break apart reject diapers and recover the valuable and reusable fluff and SAP inside.

The new Cull Collection System works well with the Osprey Fluff Separation System, automatically culling reject product from the production line and sending it on to the Separation System. The reject is actually pulled, not blown, to a neutral receiver, the MS unit separator. The reject does not travel through a cull fan to get to the Separator, so no additional loose fluff is created by damaging the diapers. From the MS Unit, the reject travels on to the Separation System, with a minimum of exposed fluff resulting from the transfer.

Seconds Cull Collection Unit



System Also Works As a High-Capacity Isolator For Off-Quality Seconds


The Cull Collection System with the MS unit is an especially good choice for manufacturers who have cultivated a seconds market. An auxiliary diverter can actually segregate open reject product (no glue) from whole culled diapers. The separator runs continuously, so there are no collection limitations such as those associated with other batch operations.

NPC Collector

The NPC Collector is a reservoir for unwanted nozzle dust, especially during production line stops. Using advanced cartridge technology, it also permits deep cleaning of the media, which helps prolong media life.

Media Holding Band

The new Media Holding Band has a quick-release feature that makes changing the media easier. In addition, it also tightens more evenly.

If you would like more information on these new products, please call us. 



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