

OSPREY Newsletter

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by Thomas M. Schuler
Managing Partner
SDF International

"Integrating who with what?" you may ask.

The concept is simple, the practical value, enormous! Successful companies are recognizing that cutting costs and running an efficient operation can only be done when you maximize the contribution of both people and capital assets.

As a supplier of equipment that has repeatedly demonstrated a favorable cost/benefit to users, Osprey's capabilities are frequently a part of a company's program to achieve overall cost savings potential. However, many business managers don't recognize that capital equipment additions will not substantially influence plant success without corresponding investments in people and related operational systems.

The reasons for this are simple. First, poorly trained people often cannot take full advantage of the productive capacity or capabilities of new equipment. Secondly, the vast majority of "other" cost performance

factors are in their hands. No investment in capital equipment will ever approach the savings potential of a well-trained operating crew, utilizing good operational practices and methods—and cognizant of their impact on the overall cost performance of the plant.

So, the message to industry professionals is that plant profitability and improvement needs to be a "double-edged sword." One edge should carve away at cost savings projects and new technology. Often, these are capital equipment additions. The other edge needs to cut through barriers and obstacles that prevent the maximum employee contribution. Often, these are investments in operational systems, methods, and training which are required to complement equipment additions, and really achieve a competitive edge.

Footnote: Schuler Ducote Frankenfield (SDF International) is an Operations and Engineering Management Consulting firm serving largely the Nonwoven and Disposables Industry worldwide. Address: 6855 Jimmy Carter Boulevard, Suite 2400, Norcross, Georgia 30071. Phone: (404) 447-9750. Fax: (404) 448-7722.

Osprey UK Has New Location

Having tripled their size in the past five years Osprey Corporation, Ltd.'s new facility at Whitstable, Kent is a welcome expansion. Able to offer more comprehensive services to customers the new facility allows for better on-site testing for equipment and systems.

The new address is: Osprey Corporation, Ltd., Units 82-85, John Wilson Business Park, Thanet Way, Whitstable, Kent CT5 3QU, United Kingdom, Tel. 0227 770909, Fax 0227 770949.



Osprey's New Facility at Whitstable

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“What’s New”

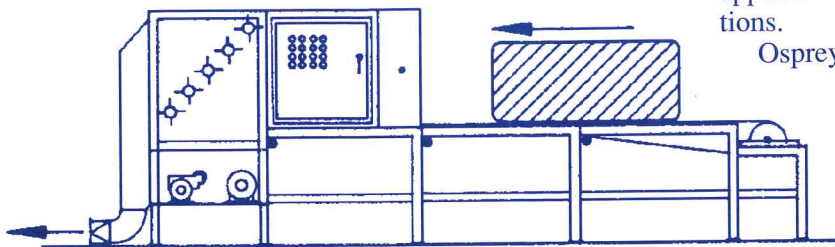
By Martin A. Price, Product Development

Osprey now has two **Air Measurement/Flow Kits** available, a basic version and a deluxe version. The deluxe version has a broader range of capability. Contact Jenelle Hickman in Osprey Parts Sales for price and availability.

The **S.A.P. Extraction System** is now available. The basic system can separate 70% of the S.A.P. from fluff with just one pass at a feed rate of 550 lbs. per hour. This system can function independently or can be easily retrofitted to any fluff reclaim system. (Request Engineering Bulletin SAP-A1).

The **After Filter** is a retrofitable, secondary filtration stage to be incorporated in any new or existing Osprey Rotary Drum Filter enclosure. We are currently supplying two of these units for "return to work area" discharge air. This final filter has capture capabilities below 1 micron for high efficiency

applications.
Osprey



has introduced a line of **Venturi-Type Trim Ejectors** for use in the automotive, textile and plastics markets. Our trim ejectors are special high power units designed to solve difficult handling problems.

The first **Mark III Bale Opener** has been manufactured and shipped to a major US Producer of soft disposable products. The Mark III offers improved metering and better air flow. For more information request our new Bulletin BO-90.

There's a new application for Osprey "**E"-Type Modular Lint Filters MLF**". The "E"- is on legs and has one or more plastic bags for waste collection. We are now fitting this model with special drop out hoppers and pick up manifolds rather than the plastic bags so that they can be purged on a timed basis to a central collection system.

Osprey's new **Extended In-feed Conveyer** for the Osprey BO-3036 mounts directly behind and in line with the BO-3036 Bale Opener and adds significant reserve capacity to your bale opening operation. Standard lengths to 25"

For more information about any of the new products noted above, contact our Sales Department. ☎

Surplus Equipment

Osprey has available for immediate delivery the following equipment and systems. A significant savings on delivery time as well as selling price can be realized on most items. *Call our Sales Department for details.*

- Osprey 6-3 S Drum Filter System includes enclosure, main fan and nozzle fan. Rated at 11,700 CFM @ 100 FPM. New.
- 7-2-S Drum Filter System includes enclosure, main fan, nozzle fan and control panel. Rated at 9,100 CFM @ 100 FPM. New Inventory. 380/3/50.
- PAD 36X42 Packaged Automatic Drum (PADS) filter. Fully assembled on structural channel base with main fan and control panel. Very compact. Rated at 3297 CFM @ 100 FPM. New Inventory.

Note: The above 3 Drum Filter Systems were originally intended for soft disposable production lines but have many other applications in the Textile, Plastics, Printing and Packaging Industries among others.

- 30X36 Air Filter/Condenser. Rated ideally 5,500 to 8,300 CFM. Used.
- IE-13-AH complete fan assembly, 15 H.P. 460/3-60. Used.

- IE-13-MH material handling fan assembly, 10 H.P. 575/3/60. Used.

- AF-15 Aluminum material handling fan, 5 H.P., 460/3/60, adjustable, drive, drive & shaft guards. Used.

- IE-11MH material handling fan assembly 10 H.P., 460/3/60. Used less than 2 hours. From R&D stock.

- Four (4) Airlarm assemblies for monitoring pressure drop across any filter. Includes gauge, Sonalert, revolving beacon and NEMA 12 enclosure. New and Demo.

- Fluff Reclaim partial system for reject disposable products consisting of three (3) separators, one (1) small scrap collector and one (1) condenser. Demo equipment.

- Three (3) Trim Ejector Assemblies including inley "Y" fitting for two (2) 3" flexible connections.
- 11-RBO Material Handling Fan. Used less than 14 hours.

- New "over stock" of material handling fans for immediate shipment. Size 7-MH through size 21-MH (300 CFM to 10,000 CFM). Add two weeks for factory mounting of motor and drives.



Polymer and Exhaust Emissions

Super absorbent polymer (S.A.P.) has become a way of life for soft disposable products. The dust created from the S.A.P. can create additional problems for the filter serving the production line. Some of this dust is below 10 microns or even submicron in size. The discussion is not how to filter it, but how to keep it away from the filter. Filtering of this small dust, regardless of its origin, may be done with better filter media (type 837). Osprey's new Final Filter may be the ultimate answer (see "What's New Department").

Ideally, S.A.P. should not ever reach the filter. The insertion of S.A.P., particularly by a high velocity nozzle, often means that S.A.P. is blown through the product and the forming screen and thus to the filter. Polymer can flow to the filter floor, the rotating drum filter

and/or pass through the filter to the "clear airstream".

Close attention must be given to the velocity of the polymer coming into the forming area, to the thickness of the pad at the point of polymer insertion, and to the actual positioning of the insertion nozzle. This will use less polymer as well as improve the air quality and the product.

We urge anyone using S.A.P. to remove part of the formed pad from their forming section and closely examine it. If you find most of the polymer on the back of the pad, you can be assured that you have been "blasting" polymer through the product and the forming screen to the filter. Contact us for ideas on corrective adjustments, etc. ☺

Oliver Smyth

Ten years ago Oliver Smyth began a business relationship with Osprey Corporation as a sales agent in Alabama, Georgia and Tennessee concentrating on the Textile industry. Oliver had received a degree in Textile Management from Auburn University in Alabama and, although his business is still heavily concentrated in textiles, it has expanded into Soft Disposables, Nonwovens, and the Commercial Printing Industry. Recently, Oliver has become involved in some very interesting applications such as mineral wool, fiberglass, and metallic fibers. In addition to Osprey he represents companies in the Textile Machinery, Carpet Yarn and Fiberlass

Industries. Smyth & Co. is located in Montgomery, Alabama where Martha Sams and Dian Blizzard operate the offices while Oliver travels.

Oliver and his wife, Jean, live in Montgomery with their daughter, Elizabeth Louise who will have her first birthday this summer. Although Jean spent the last 16 years working in various state and county social work positions, she has decided to spend her time operating the household, gardening and keeping up with Elizabeth. Oliver and Jean are also remodelling their Prairie-style home which was built in 1914. ☺

Unique Products Through Synthetics

Direct synthetic fiber integration into soft disposable products is fast becoming the preferred method of customizing an absorbent product. To be assured of a consistent blend with the pulp, synthetic fibers must be opened and individualized from the state in which they are received from the manufacturer. Fiber manufacturers ship material in baled, bulk form, with the fibers in "chips" or "clumps" of a pre-determined length.

Special opening equipment is required to separate these clumps and provide a uniform matrix of fibers. After the standardization has been achieved, precise metering to the hammermill can be done with a volumetric feeder. Synthetic fibers effect performance characteristics in the areas of: CTMP applications, wicking action,

and pad integrity under pressure, in addition to the accepted use for thermobonding.

Information on a complete material handling system from debulking, opening, reserve, metering, and filtration can be provided upon request. ☺

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Wyatt Purchase
Osprey is pleased to announce the purchase of Wyatt Pattern Works. Wyatt has been a designer and producer of quality patterns, match plates and castings since 1972. It is our intention to maintain the same quality products, competitive pricing and customer oriented service that has made Wyatt a leader in their industry. Jenelle Hickman in our Parts Department will be handling your orders for blast gates, cleanouts and other cast aluminum parts.

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Did You Know?

- Congratulations to Marty Price! He's just completed his tenth consecutive year of service with Osprey. Marty is married with three children, lives in Snellville, Ga. and has a passion for Corvettes, juke boxes and video. Thanks Marty.

- We are in the process of revising our newsletter mailing lists. If you don't get the next one, which will be published in late May, please contact Sue Gilman. If you know someone who should be added to our list, please let us know.

- U.N. source. The eight cities estimated to be the most populous by the year 2000 are: Mexico City —6.3 million, Sao Paulo,



Brazil—16 million, NYC—15.5 million, Seoul—13.5 million, Shanghai—13.5 million.

- Osprey looks forward to attending INDEX 90 in Geneva, Switzerland again this year. The dates of the show are 3-6 April 1990. New items of interest are S.A.P. Extraction and sub-micron filtration with the Osprey Final Filter. Our stand location is 22.12. John Cork and Steve Smith will be staying at the Holiday Inn's Crown Plaza Geneva. The telephone number at the hotel is (22) 791-0011, the fax number is (22) 798-9273. We look forward to seeing you at INDEX 90.

- Osprey will be participating in the U.S. Pavilion at CMM Japan. The exhibition is 3-6 April 1990. For more information contact Ms. Sue Gilman at Osprey in Atlanta or Mr. T. Fujita, Nissho Iwai Corporation, Osaka, Japan. Nissho Iwai fax number is (57) 1-255-7410.

Textile Upgrades

Osprey has long been involved in the manufacturing of flock and lint collection equipment and systems for the Textile Industry for napping, shearing, polishing and sanding operations. Recent expansions at some Textile Plants have required the upgrading of existing lint collection systems. Often, face finishing equipment has been added, deleted or relocat-

ed and the lint collection systems have not been modified to keep up with the changes. Now is the time to review your lint collection system to make sure that it has sufficient capacity. If you have any questions or need any assistance, give us a call at 1-404-321-7776.

On the Drawing Board

by Martin A. Price, Product Development

A small, economical **Stock Handling Condenser/Separator** for large fiber material volumes and small air volumes used as a feed-

ing device for hoppers, feeders, etc.

General arrangement drawings are available showing suggested mezzanine configurations for **Osprey Rotary Drum Filters**.



OSPREY CORPORATION

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