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Idea "88"

Osprey Celebrates Anniversary

By Martin A. Price
Research & Development

This April marks the first anniversary of Osprey's Super Absorbent Polymer (SAP) Dosing Unit as part of the Osprey product line.

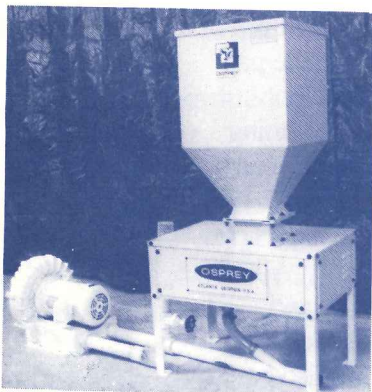
The dosing unit is a self-contained package including a feed hopper, metering unit, and cabinetry. A compact control panel is included as a separate piece for external mounting away from the dusty polymer. The dosing unit is fabricated, machined and assembled by Osprey. It utilizes a precision feed screw and DC drive which, with the use of a tachgenerator, will follow production line speed.

Over the last year, numerous tests have been run utilizing different types of internal screws. The inherent pulsing problem usually associated with other screw type feeders has been minimized if not eliminated.

Any remaining "smoothing out" which must be done in the flow of polymer is achieved in the Osprey delivery system. Two systems are available. The first includes a small, high pressure blower, venturi and associated air bleeds. The idea is to deliver the SAP close to the forming chamber and allow it to be drawn in instead of "blasted" in.

The other delivery system involves a special SAP fan which includes coatings on the internal components to prevent rapid wear. This second alternative is useful when

unusual static pressure problems associated with long lengths of feed



Sap Dosing Unit Celebrates 1st Year

Meet Our U.K. Family

Osprey Corporation Ltd., of the U.K., was established two years ago to better serve our U.K. and Western European customers. Sales, engineering and assembly shops are located in Ashford, Kent, between London and Dover.

In order to handle the rapidly growing European market, the Osprey division has just doubled its shop size.

For more information, please contact Osprey Corporation in Atlanta, Georgia, or Osprey U.K. at the following numbers: Tel: (0233) 43386, Tlx: 966467 Osprey G, Fax: (0233) 34426. 🐦

Air Measurement Guide

The movement of air is a factor in almost all modern industrial facilities whether it is used for heating/ ventilating/ air conditioning (HVAC) or process air. Although plenty of information is available on the movement and control of HVAC air, very little data is available for determining and understanding process air requirements.

To help industries unravel the "mysteries" of process air, Osprey has published a guide titled "Industrial Process Air Handling & Measurement."

Included in the guide is a dictionary of basic terms, a formula for calculating air volume, explanations of measuring static, velocity and total pressure, and information on traverse readings and using velocity pressure to calculate air velocity.

For additional technical data and Osprey basic and deluxe air measurement kits, please contact the factory. 🐦



Favorable Trend Plugs Osprey

Mr. Bud Lydic of Favorable Trend Company, Inc., an Atlanta-based consulting firm, has announced that they are recommending the Osprey DU-125 Superabsorbent Polymer (SAP) Dosing Units to "any and all disposable diaper manufacturers who are interested in producing and marketing an ULTRA type product."

Osprey Introduces Volumetric Feeder

By Martin A. Price
Research & Development

Osprey will probably remember 1987 as a year of product improvements and new product designs. One of the major items introduced was the Model VF-12 Volumetric Feeder which was primarily intended for use as a metering unit handling short fiber material such as fluff made from wood pulp. This fluff is used in soft disposable products such as baby diapers, feminine hygiene products, hospital underpads, etc.

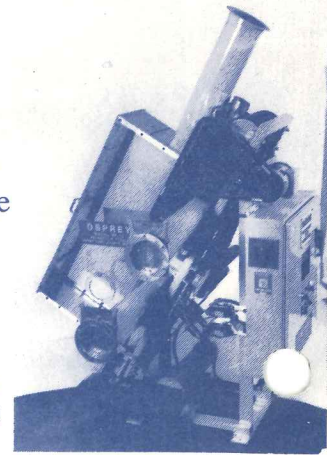
The VF-12 is now the final metering stage in Osprey's fluff reclamation system and its newly introduced fluff bale opening system.

Design goals for the Volumetric Feeder included ease of service and operator friendliness. However, the main objective was an improvement in the actual metering of the fluff since the machinery's intended uses dealt critically with product weight variations.

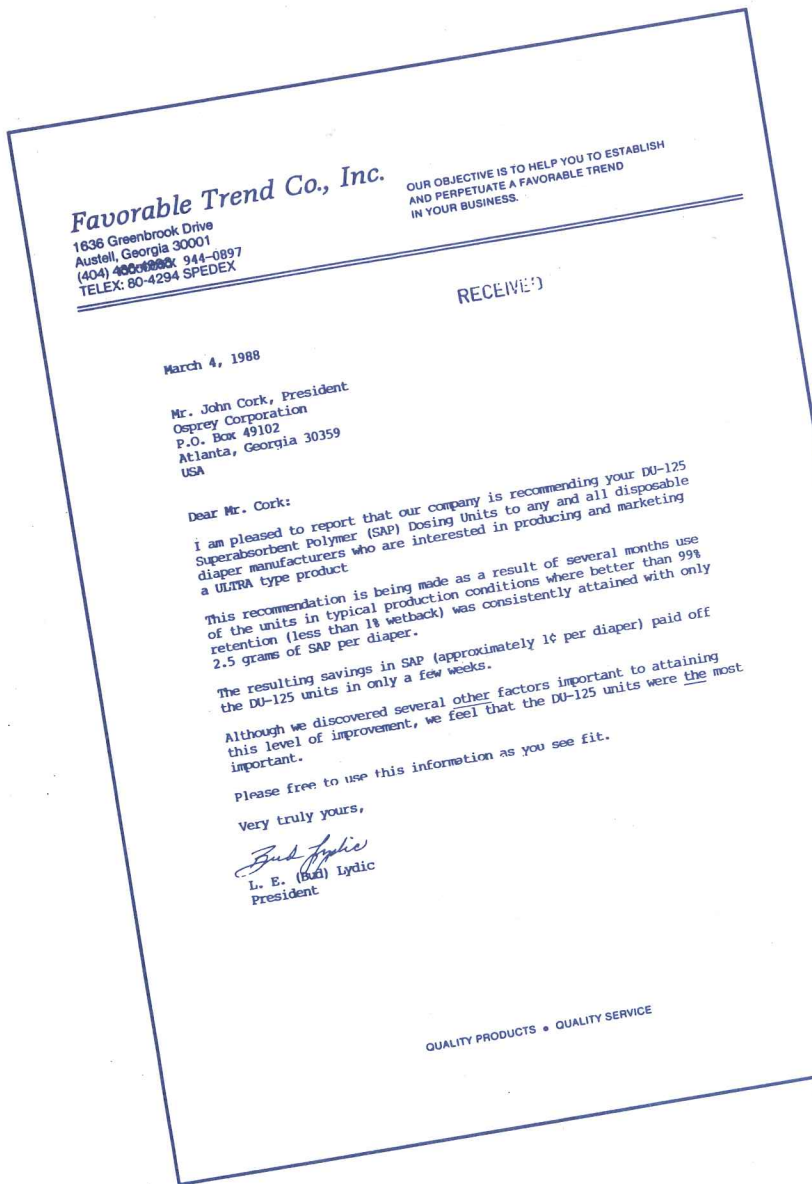
Five VF-12's were placed in service towards the end of 1987. Eight additional units have been entered for production since January 1, 1988.

Results on the new product have been very encouraging. Judging by field reports covering system start-ups on both fluff reclamation systems and bale opening systems, two-thirds of all the systems started using the VF-12 have shown an improvement in production line pad weight variation while the remaining one-third of the systems showed no change in the pad weight variation.

Recent running changes in the control system of the VF-12 have improved its control flexibility. All of the re-designing and changes made in the VF-12 will also be incorporated into the higher capacity VF-18, originally introduced in 1985.



Volumetric Feeder



Favorable Trend Co., Inc.

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OUR OBJECTIVE IS TO HELP YOU TO ESTABLISH
AND PERPETUATE A FAVORABLE TREND
IN YOUR BUSINESS.

RECEIVED

March 4, 1988

Mr. John Cork, President
Osprey Corporation
P.O. Box 49102
Atlanta, Georgia 30359
USA

Dear Mr. Cork:

I am pleased to report that our company is recommending your DU-125 Superabsorbent Polymer (SAP) Dosing Units to any and all disposable diaper manufacturers who are interested in producing and marketing a ULTRA type product.

This recommendation is being made as a result of several months use of the units in typical production conditions where better than 99% retention (less than 1% wetback) was consistently attained with only 2.5 grams of SAP per diaper.

The resulting savings in SAP (approximately 1¢ per diaper) paid off the DU-125 units in only a few weeks.

Although we discovered several other factors important to attaining this level of improvement, we feel that the DU-125 units were the most important.

Please free to use this information as you see fit.

Very truly yours,

Bud Lydic
L. E. (Bud) Lydic
President

QUALITY PRODUCTS • QUALITY SERVICE



Trouble-Shooting For Fans

All Osprey systems utilize at least one fan/ventilator. The fan is the "heart" of the system and proper maintenance will insure a long, efficient life.

Each fan is shipped with an installation, operation and maintenance manual that contains information vital for the smooth operation of the fan.

One of the most important sections in the booklet involves problem trouble-shooting for fan vibration and noise. The following points should be considered:

- Misalignment of bearings, couplings, wheel, or V-belt drive.
- Unstable foundation, fan bolted to uneven foundation, not shimmed or grouted.
- Foreign material in fan causing unbalance.
- Worn bearings.
- Damaged wheel or motor.
- Broken or loose bolts and set screws.
- Bent shaft.
- Worn Coupling.
- Fan wheel or driver unbalanced.
- 120 cycle magnetic hum due to electrical input. Check for high or unbalanced voltage.
- Fan delivering more than rated capacity.
- Loose dampers or variable inlet vanes.
- Speed too high or fan rotation in wrong direction.
- Vibration transmitted to fan from some other source. 🐦

Idea "88"

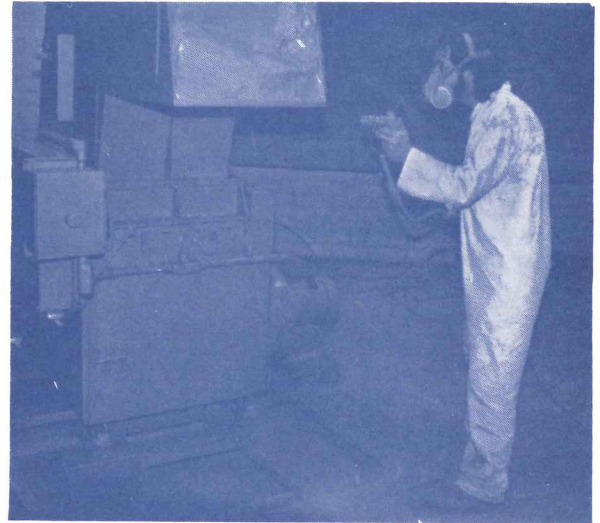
Plan to visit with us at Idea "88" to be held in Baltimore, Maryland at the Baltimore Convention Center on October 24-26. We will be located in booth #1716.

Idea "88" is the International Nonwovens Conference and Exposition sponsored by INDA. Exhibition space is expected to sell out before the show opens in October. 🐦

Paint Department Moved

The paint department at Osprey corporation has relocated in order to provide a more dust-free environment for putting the final touches on our equipment. The new "closed-in" booth also functions with improved air flow for a better filtering system.

To improve the quality of the finish, the department has also improved their paint supply. All Osprey equipment is now painted with a super-fast drying enamel which provides a high-quality, alkalyd, high-gloss finish.



Danny Smith At Work In The New Paint Department

Employees in the paint department are Homer Phillips (Supervisor), Danny Smith, George Hood, Dennis Bittner and Verger Birdsong. 🐦

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Looking Good On Paper

Osprey's Oliver Smyth III recently finalized the sale of a Central Paper Trim Collection and Air Filtration System. A Georgia printing company will upgrade their binder and stitcher area with the new system. This application will utilize the Osprey Scrap Collector and Vacu-Max Drum Filter. 🐦

"There is hardly anything in the world that some man cannot make a little worse and sell a little cheaper, and the people who consider price only are this man's lawful prey."

—John Ruskin



Naturalist Barry Nehr has been commissioned to draw "The Osprey". Nehr is noted for his realistic pen and ink artwork of local birds and animals. Readers will be able to enjoy his art in various corporate promotional and sales literature.

What's An Osprey?

The Osprey bird (*Pandion haliaetus*) is a member of the hawk family. Often called a "fish hawk", the Osprey lives along seacoasts and larger interior waterways so that it can feed on its main food source—fish.

The female is approximately two feet in length and the male is slightly smaller. Their markings are distinctive in that their backs are brown and their chests are white with some white on top of the head.

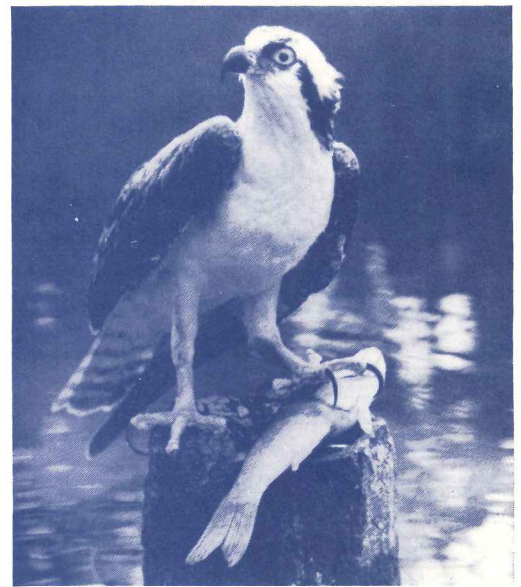
During breeding season, the Osprey nests singly or in colonies on tall trees, at ground level on small islands or on ledges of cliffs. Utility poles are also common places for breeding in more populated areas. Normally, the nest is a bulky structure, up to six feet across, composed of haphazardly arranged sticks. Two to four eggs are laid, and the chicks hatch after five weeks' incubation.

To catch a fish, the hawk flies over the water, hovers over its prey and then plunges, feet first, to grab a fish with long, curved talons. The bird then carries its prey to a perch to feed. 🦅

*Continued from page 1
Anniversary...*

pipe are encountered.

The Osprey SAP Dosing Unit, often referred to as a DU-125, is designed to insert SAP into the product through general disbursement or in a continuous ribbon. DU-125's are in use on four continents. The original design criteria of a compact, easy to install, simple to operate and inexpensive dosing unit have been achieved. 🦅



The Osprey is often called the "Fish Hawk."

OSPREY CORPORATION
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