



OSPREY

Newsletter

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CTMP: A European Trend

The use of Chemithermomechanical Pulp (CTMP) fibers in soft disposable products appears to be growing in the European marketplace. Although the pulping process is not well known in the United States, the resulting fibers have some advantages over fibers produced from better-known chemical or mechanical pulping, according to an overseas source.

The CTMP process combines chemical treatment, heating and mechanical refining to produce a product that can replace up to 100% of chemical pulp and achieve significant cost savings.

Wood chips are first treated with sodium sulphite to soften the wood before mechanical refining. Due to this innovation, the damaged fibers and incomplete fiber separations associated with mechanical/heat pulping are avoided, although the yield will be slightly lower. Washing with screw-presses eliminates the wood resin and other harmful impurities in the fibers. The CTMP product is then bleached in one or two stages with hydrogen peroxide.

One of the advantages of the CTMP process is that the smaller dosage of chemicals and the hydrogen peroxide used to make the fibers lowers pollution problems. The process also produces a high yield of pulp (about 92%) which can mean a huge savings in wood. Consumption is approximately one ton of wood to produce a ton of pulp. Chemical processing yields one ton of pulp per two plus tons of wood. Along with its high yield and low pollution, CTMP can be used in sanitary disposable products without jeopardizing their performance.

CTMP fibers also have some disadvantages, namely an "off" color, heavier, stiffer and shorter fibers, and a broader fiber length distribution. Information about the CTMP process is still scarce in the U.S. Some European companies have

Osprey Introduces New R&D Facility

Osprey is pleased to announce the purchase of an additional building to be used for demonstration and testing of our equipment as well as research and development. The property is located in Conyers, Georgia, which is an eastern suburb of Atlanta.

Positioned just off of Interstate 20 East, the complex is convenient to our present facility on Briarwood Road in Atlanta as well as the Hartsfield International Airport, downtown Atlanta, and other major transportation interchanges. Future planning for this building will include assembly and staging of finished equipment and possible satellite manufacturing operations. Adjacent property has also been secured to allow for future production expansion.

We, here at Osprey, are excited about this new facility and look forward to welcoming our employees, customers and vendors to this new member of the Osprey family. 🐦



Osprey's new facility will be used for demonstration and equipment testing as well as research and development.

expressed a dislike for making disposables with 100% CTMP but have shown an interest in using the fibers in combination with other refined fluff. 🐦



On The Drawing Board

A **Vertical Feed Hopper** for storing and feeding of fibrous material on a demand basis. The feeder can be used as a main fluff hopper in a fluff separation system, a remote storage facility for feeding an individual volumetric feeder or other metering device, etc. Two sizes are now available. High and low sensors assure reserve material availability.

New **Trim Fan**. Air comes in through the normal fan inlet while trim is induced from the rear of the housing, missing all contact with the fan wheel. Advantages include the ability to supply much more push than conventional venturi ejectors and simplicity of design. The fan can also be used to mix two totally different products; one entering through the venturi tube and another through the fan inlet.

Special Dual Wheel "Super" Buster Fan. Prototype model will rupture or damage large products such as a hospital underpad or an adult diaper yet produce very little turbulence at top or bottom. It can be used as a pre-opener prior to a cutter. 🐦

Rear Access Doors Now Available

by Martin A. Price
Research & Development

Numerous customers have requested that Osprey furnish an optional spare drum filter enclosure door assembly with top and bottom filler panels.

By installing this door assembly on the rear wall of the enclosure in place of a standard wall panel, the drum filter seal and media service/replacement time is shortened.

Door assemblies can be installed on existing drum enclosures. The door is identical to those used on the front of the enclosure.

Window covers are also available, if required, for infrared fire protection systems. The current price of the door with hardware and both filler panels is \$794.00, regardless of drum size. Doors and panels are shipped by truck, freight collect. For further information, contact our factory with the model and serial number of your drum filter. 🐦

Spare Parts: Money In The Bank

"Down-Time" on a production line can be very costly to a company, especially when the shut down is caused by worn or broken equipment.

To avoid this situation, Osprey customers should pay close attention to the spare parts quotation which accompanies each shipment of machinery. The data on this document can save money during emergencies if the client follows these simple rules:

1. **MAINTAIN A STOCK OF SPARE PARTS.** Even new equipment can occasionally develop problems.

When ordering parts, do not order just one set. Ask about recommended pieces and quantities. With a little forethought, the customer can be ready for any emergency if spare parts are already available on the shelf.

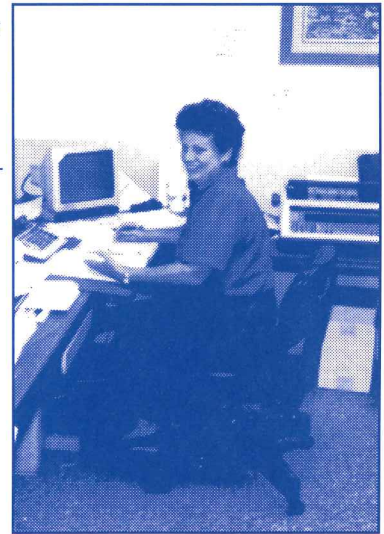
2. **AVOID PANIC ORDERS.** Waiting until an item wears out or breaks down can be costly. In most cases, the equipment must be shipped by air, which is much more expensive than normal ground freight.

Emergency orders may also require special handling charges.

3. **BE PREPARED WITH PROPER DATA FOR ORDERING SPARE PARTS.** To save time when ordering, inform our purchasing department of vital information such as model number, serial number, style or hand, part number, part name, manufacturer's data plate, color, dimensions, correct shipping address and preferred carrier, etc., for the equipment.

4. **PLEASE COMMUNICATE WITH US.** You can reach our parts department at 800-235-3167 or 404-321-7776. If you are unable to reach Osprey by telephone, please use our telex (753898 OSPREY UD), telefax (404-634-1401) or answering machine (after hours).

We will get back to you as soon as possible. 🐦



Jenelle Hickman is in charge of purchasing, customer parts sales, shipping and international exporting.

"...To avoid 'down time' Osprey customers should pay close attention to the spare parts quotation with each shipment of machinery..."



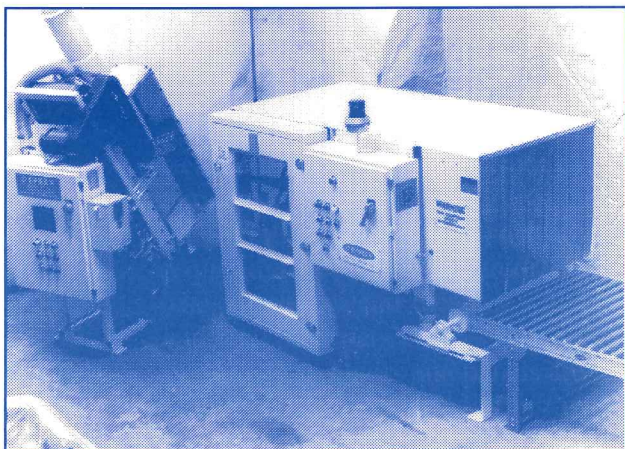
Bale Opener Offers Return On Investment

Due to the high price of wood pulp on the market today, every fiber of fluff used for making soft disposable products becomes valuable to the manufacturer.

To assist the nonwovens industry in getting the most out of their pulp investment, Osprey has created a bale opener for handling baled fluff fibers. Whether the fluff is bought baled or is reclaimed from the Osprey Fluff Separation System and then processed through a baler, the Model B0-3030 Bale Opener provides a simple means of converting the compacted material into good, usable fluff. With the use of the Osprey Volumetric Feeder, this fluff can be metered back into the manufacturing process.

Bales of fluff are inserted into the bale opener by means of a rear conveyor. Tearing bars and pins positioned on a series of step ladder-type rollers separate the fluff so that it can be metered through to the volumetric feeder and then to the production line.

With standard drive, the B0-3030 can process 1,800 to 2,000 pounds per hour of baled fluff if operated continuously. Output based on the demands of other equipment is possible via the included air clutch controlling the main feed apron. Viewing windows, emergency light and horn, and electrical control panel are included in the bale opening package. For pricing and delivery, please contact the factory. 🐉



Customers can achieve quick return on their investment with the Osprey Bale Opener and Volumetric Feeder.

"...To assist the nonwovens industry in getting the most out of their pulp investment, Osprey has created a bale opener for handling baled fluff fibers..."

Updated Pad Unit

In order to facilitate an association with the Rotary Drum Filters, Osprey has updated the Packaged Automatic Drum (PAD) Unit with new model numbers and CFM configurations. These improvements allow for the containerized overseas shipment of an assembled PAD unit on a structural base.

Each assembled unit includes mounting and wiring of the fan to the main system control panel. For details on size and CFM requirements, contact the factory. 🐉

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Editor: Teresa Hagen

Shaft Pins for Larger Drum Filters

Due to increased loads placed on the shafts of larger drum filters (7 ft. diameter and over) Osprey has established pinning of the shaft tubing to the journals as a standard process.

This procedure removes any possibility that load or torque could twist the journal from the tubing and separate the weld. Pinning the journal and shaft is a simple operation that can be accomplished in 45 minutes.

During normal down time for those units manufactured before September, 1987, drill pilot holes of a size required to easily drive in a 3/8" hardened roll pin.

This hole should be located on the center line of the shaft and approximately 7" from the edge of the 3" diameter tubing. 🐉

Accurate S.A.P. Metering

Osprey manufactures several different screws for the S.A.P. Dosing Unit that are designed for various production speeds and quantities of polymer. Current trends indicate machine speeds of 300 plus per minute with only two or three grams of polymer per product. If you are experiencing pulsing or non-uniform dosing weights, contact Osprey for the proper dosing screw. 🐉



"...Osprey Corporation welcomes visitors to drop by and see their test equipment in full operation. Contact the factory to arrange an appointment..."

Osprey Hours & Personnel

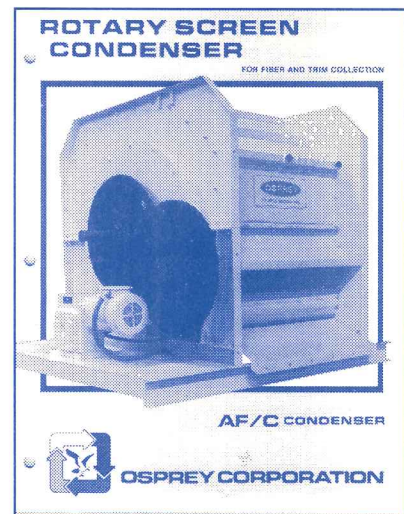
Osprey Corporation is conveniently located in Northeast Atlanta, Georgia. The office is open for business Monday through Friday, from 8:00 a.m. until 4:30 p.m. The shipping department is open from 7:00 a.m. until 3:30 p.m. For after hours, please leave a message on the answering machine so that we may return your call as soon as possible. If the machine does not answer, please try again another call may be interfering with your connection. Visitors to our facility are welcome to view our test equipment in full operation. Contact the factory to arrange for an appointment.

The following personnel are available for your calls, questions, and/or requests: John Cork, Sales/Engineering; Marty Price, Research/ Development/ Troubleshooting; Steve Smith, Sales Representative; Jenelle Hickman, Purchasing/Customer Parts Sales/ Shipping/International Exporting; Cindy Flanary, Bookkeeper; Teresa Hagen, Sales/Marketing Assistant; Phyllis Lockeridge, Secretary/ Receptionist; John Beal, Engineer; Jerry Hunter, Production/Shipping; Jim Harpole, Engineering Manager; and Tom Barron, Jr., Production Manager. 🐦

New Air Filter/Condenser Brochure

A six color brochure on the Osprey Air Filter/Condenser is now available for distribution. The AF/C usually serves as a pre-filter or a bulk separator.

A working companion to the AF/C is the Vacu-Max Rotary Secondary Filter. For complete system design, field technical service and parts program, contact the factory. 🐦



New Air Filter/Condenser Brochure



OSPREY CORPORATION

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