



# OSPREY

News and information for the employees and clients of Osprey Corporation.

## Inside



Birds of the Flock.....2

On the Drawing Board.....2



Film Grinder Maintenance Generates Savings.....2



HEPA Quality Air for You?.....3

Osprey Now Accepts Visa and MasterCard.....3

Contact Us.....4

You Can Now Order Osprey Spare Parts Online.....4

## Plastics Encounter Southeast

Osprey will participate in Plastics Encounter October 18 -20 in Charlotte, N.C. Osprey's representatives Extrusion Solutions, Booth 1118, will be on hand to discuss recycling solutions. Rob Northup and Chris Strzelecki have over thirty-five years of extrusion experience. Plastics

Encounter trade shows are regional marketplaces where professionals conduct business through exhibits and conferences that provide excellent opportunities for seeing the latest technology. Register at [www.plasticsencounter.com](http://www.plasticsencounter.com) or call (888) 368-7229 for more details. ☺



## Osprey HMC-Profiler

The HMC-Profiler is a new sensor technology used to improve quality control while decreasing your manufacturing cost. This new sensor offers online quality control for high-speed manufacturing processes such as FemCare, BabyCare, and Adult Incontinence products.

The Profiler is a precise U-shaped capacitance sensor which product is run through. The scanning signal will

[continued on page 3](#)

## Osprey Series 100 Heat Compactor

The Osprey 100 series compactor turns scrap problems into potential value while providing space saving solutions. The heat compactor gives you the capability to convert your plastic or nonwoven waste into a manageable product.

Blown film producers find the unit ideal for applications where in-line recycling might not be possible such as barrier, metalized and some hygienic applications.

The unit will compress plastic and nonwoven trim or cutouts into rigid high bulk density four by four inch bricks with adjustable lengths.



Customers can sell the bricks, burn them as fuel, or reprocess this easy to handle material.

The compactor can be operated in-line with an extrusion, bagging, or converting operation. Outputs range from as little as 25 to 450 pounds

[continued on page 3](#)



## Birds of the Flock

After 10 years with Osprey, **Bill Smith** has moved from the Atlanta area to be married. Bill was responsible for doubling the size of the department during his tenure at Osprey. Contributions from Bill are vacuum-packed media, online order capability, and upgraded customer service. These are just a few examples of the new ideas Bill brought to the department. Bill was well liked, and we will miss him.

**Jeff Orwig** has replaced Bill as spare parts manager. Jeff has a MBA from the University of Georgia and has been with Osprey in system sales for over 16 years. Jeff's direct working knowledge of the equipment and his outside sales experience makes him an excellent replacement for Bill. Jeff will be joining **Isacque Nixon** and new customer service representative **Marsha Vice**. ☺

## For Sale

We currently have a number of products in stock and available for immediate sale. These items are previously used or demonstration equipment such as a **FS-150 fluff separation system**, **Model 7-3 Phoenix drum filter**, **6-2 filter with HEPA section**, **HMC-Profiler**, **Model 1014 20hp film grinder**, and various reject product hoppers, condensers, and fans. For more information concerning availability and pricing, please contact David Colburn at [david.colburn@ospreyfilters.com](mailto:david.colburn@ospreyfilters.com). ☺

## On The Drawing Board



Currently, we are working on several product developments. One such system is an **INLINE NONWOVEN RECLAIM SYSTEM**. This system would be similar to the systems that we offer for blown and cast film applications. This new system would process edge and scrap roll stock in-line therefore replacing baling systems or costly off-line central pelletizing systems.

An **AUTOMATIC CLEANING SYSTEM FOR FINAL FILTERS** will soon be available on all new and old Osprey drum filters. This new feature will eliminate the need to shut down production lines in order to clean the final filter section. In the past, such a system was only available to customers with filters on mezzanines. Customers may also receive discounts on insurance premiums by adding this feature to their existing floor mounted drum filter systems.

In other developments, we are completing testing of a low cost **SAP ONLY RECLAIM SYSTEM**. This system could be used on a single production line or be upgraded for multiple production lines. Valuable SAP is returned to the production line for a fraction of the cost of new product. If you have an interest in these new developments, please contact Kirk Harpole at [k.harpole@ospreyfilters.com](mailto:k.harpole@ospreyfilters.com). ☺

## Film Grinder Maintenance Generates Savings

Granulators process valuable scrap back to production lines. This material must be returned in a usable form in order to take advantage of this financial investment. To recover film scrap, this material requires that the granulators be maintained in good operating condition. There are four key areas of maintenance concern: knives, screens, bearings, and belts.

**Knives** are the key to cutting any kind of scrap. Knife maintenance consists of keeping the knives sharp, well gapped, and tightly secured. Knives can be sharpened with the correct equipment by most local machine shops. A knife gap of .0039-.0059 an inch is recommended for film applications. Once the knives are installed, bolts should be tightened to the granulator supplier's torque specifications. Factors such as resin type, volume processed, and contaminants contribute to the number of changes that may be required.

Osprey knives are manufactured from D2 steel. This steel is a high-carbon and high-chrome alloy with a balance of hardness and strength. A knife that is too hard can chip easily. While a soft knife will not chip, it will dull too quickly. D2 steel provides excellent knife life with a hardness or Rockwell rating that is controllable by heat-treating.

**Screen maintenance** is important and often overlooked. A dirty, caked or clogged screen limits throughput and performance by restricting the ability of processed material to leave the cutting chamber. Air is then reduced and can cause problems with the trim conveying or roll feed system. To prevent this, it is recommended that the screens are checked each time the knives are sharpened.

**Bearings** are crucial to the machine's performance as they allow for proper

continued on page 3



## Film Grinder Maintenance Generates Savings

continued from page 2

rotation of the rotor. Worn bearings not only affect the rotation, but the ability to hold knife tolerance. Worn bearings will affect knife gap that is critical in film applications.

Osprey uses outboard bearings mounted in housing external to the cutting chamber. This prevents the need for time-consuming steps such as shimming and supporting of the rotor needed whenever pillow block bearings are used and replaced. Most Osprey models include factory pre-lubricated

and sealed for life bearings that do not require lubrication.

The last item of concern are the **belts**. The drive belts couple the motor to the flywheel. This transfers motor power to the rotor in the cutting chamber. Loose belts allow slippage thus reducing power and throughput. The simple step of inspecting for loose or worn belts with knife and screen maintenance ensures the best possible performance of the unit.

By following these basic maintenance procedures one can expect a granulator



Knife and rotor setting must conform to the manufacturer's specifications to operate efficiently and avoid possible damage.

to operate at its peak efficiency over the lifetime of the machine. Thus, providing a return on your investment many times over. ☺

## Should You Consider HEPA Quality Air For Your Plant?

For years, Osprey Corporation has offered a HEPA filtration section for our customers seeking to return indisputable air quality to their plant production environment. HEPA (High Efficiency Particulate Arrester) quality filtration provides an emission efficiency guarantee that the air from the exhaust of Osprey Drum Filter is safer than the air you are breathing in your office today.

So why do some decide not to apply HEPA standards? The answer most often given is money and space. While HEPA is the ultimate in purity it is also very sensitive to even the smallest levels of dust loading and carries a price tag that cannot be ignored. Therefore, it is absolutely necessary to stop all measurable amounts of dust from ever reaching the HEPA section. This means there must be another stage, or stages, of filtration between the Drum Filter and the HEPA

section. This intermediate section is sometimes referred to as a Police or Guardian arrangement. This Guardian section can be the original Osprey cartridge type Final Filter or a combination of our high velocity Disk Filter with passive banks of pocket filters that are part of what Osprey calls the Composite Filter. As an added protection barrier, the HEPA filters can also have an inexpensive emergency element, placed in the HEPA frame, called a Varicell.

What are the return benefits? The answer is guaranteed air quality for your employees, energy savings from returning low humidity air to the plant HVAC system in the summer with pre-heated air in the winter, and the elimination of contaminated parking lots and roof damage from SAP emissions.

What will be your decision? Please contact Osprey for more technical information on HEPA installations. ☺

## Osprey Series 100 Heat Compactor

continued from page 1

per hour. For more information, please contact us or visit our web site at [www.ospreyplastics.com](http://www.ospreyplastics.com). ☺



The inlet design includes a vacuum blower that assists material entering the heat and compaction chamber.

## Osprey HMC-Profiler

continued from page 1

then electronically transmit information concerning mass distribution and total mass of your product. At full line speed, over 300 data points are given per product. This information provides instant product quality feedback with no manual effort in quality control sampling. The Profiler allows users to identify single off-spec products during the production process. The raw material cost savings alone in this feature will pay for itself in months.

The HMC-Profiler helps customers to identify process parameters on vacuum levels, fluff and SAP infeed, scarfing roll settings, recycling levels, and for product quality. It will enable users to optimize their process settings in order to achieve a more reliable manufacturing process while delivering products with tighter tolerances. If you have any questions or would like additional information, please contact Steve Smith at [steve.smith@ospreyfilters.com](mailto:steve.smith@ospreyfilters.com). ☺

## Osprey Now Accepts Visa and MasterCard

In an effort to make ordering easier, customers now have the option of using their Visa and MasterCard. Urgent orders can now be expedited using a credit card at no additional charge. Orders are processed over the phone in minutes.



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## You Can Now Order Osprey Spare Parts Online

To make it easy for you to purchase Osprey parts when it's most convenient for you, Osprey now accepts online orders for equipment spare parts.

You can also take advantage of this convenient new option to review and confirm the items on our Web site before placing an order the same way that you have in the past. For more information, please visit our Web site at [www.ospreyfilters.com](http://www.ospreyfilters.com). 