

Owens Corning

Following our recently formed partnership agreement with Impact Air Systems (see page 2) a comprehensive shear slitting, air conveying and filtering system has been installed on a Universal reeling machine at Owens Corning plant at Liversedge, West Yorkshire.

The project was completed in October 2006 with the objective of providing better working conditions for staff, increasing machine speed and reducing operating costs. Commenting, Mr Warren Stephenson, Maintenance Operations Leader at Owens Corning said: "A major plus gained from the new equipment has been the reduction in time taken for change-round of the slitting system - what previously took two hours can now be achieved in just five minutes. Together with the big improvement in air quality, we are delighted with the new system."

The slitting system comprises 36 top manually adjusted knife-holders mounted on a guide rail - an optional future upgrade would allow automatic



positioning. The counter blades are mounted on a Svecom female knife-shaft providing positive positioning, low maintenance and an expansion range that makes blade changes quick and easy for the operator.

The air system has a blower Venturi that continually sucks the trim away from the slitting knives. By using a Venturi system the amount of dust is reduced. The trim is conveyed at 24 metres per second through ductwork to

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STOP PRESS

We have just secured orders for an IPS Twin Ram Baler from a large recycler of metals, and for an Automatic Baler from Fast Forward Recycling of Manchester.

Welcome...

It is with pleasure that I welcome clients, suppliers and colleagues to this, the fourth edition, of the Jarshire newsletter

It is just over eighteen months since Peter retired and I am pleased to say that, carrying on with the same business philosophy and ethos that he brought to bear during his 28 years in the industry, Jarshire is going from strength to strength. I am also delighted that we are continuing to serve customers we first supplied in those early days.

Three new appointments have been made in the Waste Management Division and we also are actively seeking a sales person to represent the Paper & Tissue and Converting Divisions in the north of England and Scotland.

A number of large projects have been gained since our last newsletter - some covered in this issue, some to be included in the forthcoming summer edition. We also expect to be announcing a new, lighter weight, modular, air shaft and improvements to speed up our ordering and delivery systems. So, watch this space.

I trust that you will find the newsletter of interest and would be pleased to provide further information on any of the topics contained within.

Nick Jobson

MARCH 2007

BPMSA

We are pleased to announce that Jarshire Limited has been accepted as a member of the British Paper Machinery Suppliers Association, a division of Picon, the leading business support organisation representing UK suppliers to the printing, publishing, papermaking and paper converting industries.

Collaboration agreements signed

Two joint collaboration agreements have been made in a move that sees Jarshire reinforce sole agency agreements with strategic alliances in order to be able offer the best solutions to customers.



The first is with Leicester-based waste and trim extraction specialist, **Impact Air Systems**. Commenting, Nick Jobson says: "Impact Air equipment fits well with our product portfolio, whilst our range of compactors and balers are natural extensions to their equipment. I am pleased to say we have already taken orders for two Impact Air systems".

Designed to keep machines and production areas clear of waste materials with little or no supervision, Impact Air waste and trim extraction and dust control systems can be found in printing, converting, plastic film, newsprint, and paper- and board-making operations all over the world.



The second alliance is with **Fraser Anti-Static Techniques Ltd**, a specialist manufacturer of equipment to control, measure and generate static electricity.

Static electricity affects most industries that process non-conductive materials including plastics, packaging, paper, printing, coating, optics, electronics and textiles. Fraser products are also to be found throughout the world providing high-quality, cost-effective solutions to the problems that can arise.

Focus on...

FIS Impianti

For more than 30-years, FIS Impianti has been designing, manufacturing and installing wrapping machines for palletised loads utilising stretch and shrinkable film.

Building on this worldwide experience, encompassing thousands of stretch-wrappers, the company commenced production in the 1980s of equipment specifically designed for the handling of paper reels.

Today, a full range of semi- or fully-automatic equipment can be supplied meeting the wrapping and handling needs of manufacturers of all kinds of paper including writings, newspaper, kraft, carton, décor and tissue.

FIS Impianti roll wrapping lines are designed with either a turning arm or a turning platform machine and a choice of axial-, radial-, or axial plus radial-wrapping systems is available

Positioned at the top of the roll wrapping machine market, the DUAL 98 is the only wrapping machine able to obtain both cycles (radial + axial) in one step.

This dual, patented method, provides the following advantages to customers:

- Reduced working area
- Easy and reliable way of working
- More secure film fixing to the roll during radial cycle.
- Thin, stretchable, self-gluing film provides automatic film sticking during radial cycle
- Easier film reel replacement
- Reduced stop-time for film reel replacement.
- Reduction in power requirement



Ancillary handling equipment can be supplied or designed to meet the most complex requirement. From on-machine reel handling and pallet handling to coordinated storage and transfer systems, FIS Impianti experience can be brought to bear.

Providing security and back-up to a FIS Impianti installation is the company's Human-Machine interface. Programmed in various software languages, the system is simple to operate and tailored to a customer's needs. Various operational controls are offered including visualisation of alarms, modification of timers and system parameters, and modification of machine controls. Additionally, a Teleservice offers customers immediate assistance to provide solutions to urgent problems.

The company has come a long way since the 1970s but is not resting on its laurels. Design work continues and innovation is high on the list of objectives for the future.

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a discharge compactor some 100 metres away where the air is separated in an Impact Air separator and the trim falls gently by gravity into the compactor. Further ducting then leads to the filter unit that completely removes any dust that has passed through the system.

Owens Corning is an important supplier of composite materials to a variety of industrial end users including car and computer manufacturers etc.

FILTERCEL LHP

- the ABB filter solution for "high-requirement" coating colour applications

To ensure the in-line filtration of highly viscose coating colours prior to application, the Cellier Division of ABB Process Industrie has installed four Filtercel F550 LHP filters on the two lines feeding the new coater of paper machine no. 2 at Cartiere del Garda (Lecta Group), in Riva del Garda, Italy.

Operating 24 hours per day, 7 days per week, the Filtercel configuration of two active and two stand-by filters guarantees an availability rate of 99.8 % - the active filter ensuring up to 100 non-stop hours of production before the system switches to the stand-by filter.

The LHP option consists of a high-pressure system that, when the preset pressure difference between the filter inlet and outlet is reached, enables the cleaning of the filtering media in less than 15 minutes without dismantling the filter or the intervention of the operator. This automatic in-situ cleaning system has the added advantage of minimising the water consumption, thus reducing the quantity of waste water and its treatment cost.

In addition to continuous operation, the ABB solution, which was initially validated by on-site tests, provides a judicious compromise between the filtration threshold (quality) and the flow-rate (performance). For optimal filtration performance - a flow-rate target of 80 m³/h and coating colour viscosity up to 2700 cp - the Filtercels were fitted with new generation filtering baskets that have an increased open surface. These baskets provide a higher filtering output allowing the use of smaller Filtercel filters thereby meeting the customer's budgetary requirements.

This solution, implementing one Filtercel with the LHP option and a second one as stand-by filter, is perfectly adapted to "high-requirement" coating colour applications with long in-line operation times and operator interventions strictly limited to preventive maintenance works.

The Cellier Division of ABB Process Industrie designs, installs and commissions turnkey industrial units for the management, reception, preparation and dosing of process or functional chemicals - specifically, those used in the manufacturing processes of paper, board and tissue, for printing, writing, packaging, hygienic and specialty applications. These complex installations are designed to optimise the use of chemicals, adding value to the base sheet by enhancing quality, while complying with technical requirements such as printability and brightness.

Main applications are:

- De-inking additives and recycled paper bleaching agents
- Additives for wet-end and surface applications for tissue machines
- Fillers and additives for the wet-end of paper and board machines
- Sizing and coating for paper and board machines



Bin Compactor installation shows 50% cost savings

Evidence of the cost-saving and efficiency benefits to be derived from a Jarshire Bin Compactor is shown by an installation at one of Pitlochry's biggest and busiest eating-places.

Victoria's Restaurant is an independent, 130-seat, freehold, family-run restaurant in the seasonal town of Pitlochry, Scotland. Located in the main street, it is particularly busy through the period from Easter to the end of October when the huge volume of people being served inevitably creates a large volume of waste.

During the busy season, up to eight filled bins would be awaiting the three times per week collection. With the introduction of the compactor into the system, the number of bins to be collected is now down to just two or three and, as the restaurant pays for the number of bins collected, the saving in costs was immediate.

Commenting, owner Angus MacLellan said: " I can say that the compactor has saved at least 50% on waste disposal costs and has been a good investment".

Designated the MT 360, the compactor is an easily handled press designed for 360-litre bins. Waste is compacted directly into bins reducing volume by up to 75%. With a footprint of only 700 mm wide by 1030 mm deep, the space requirement is minimal.



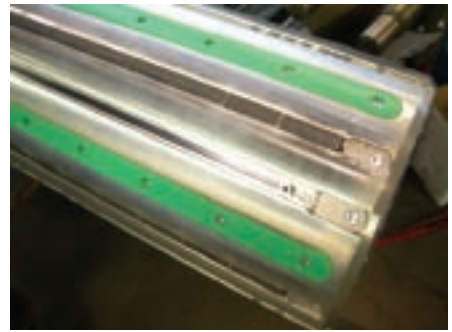
Delpro and Jarshire achieve another first

The close working relationship between the converting, packaging and paper equipment specialist, Delpro Limited and ourselves has produced another innovation with the supply to a major UK converter of two differential rewind shafts capable of handling 12" reels.

Utilising Svecom 650 PLF shafts with a total length of 3m, body length of 1.7m, and weighing 500kg, the cantilevered shafts are of steel construction and will handle reels up to a maximum weight of 1200kg. Designed to suit 302 ID cores, the shafts have 6 positioning ledges, 6 friction ledges and 6 plastic ledges to facilitate easy reel removal. Inflation is via rotary union.

From our reputation for innovation in air shaft technology we were uniquely placed to advise on the shaft design whilst Delpro, who manufacture both bespoke turnkey machinery and individually designed components, installed the system.

Both Delpro and the final customer are delighted with the performance of the shafts within the machine.



Fowex waste food disposal unit for Antarctica

WASTE
DIVISION

Further endorsement of the efficiency and environmental benefits of the Fowex organic waste food disposal system comes with the news that Leighs Construction has specified it for inclusion in their upgrade to the kitchen and mess facilities at the award winning Hillary Field Centre at Arrival Heights in Antarctica.

The renovation is part of an ongoing upgrade by Antarctica New Zealand of the Scott Base station and is designed to improve the living conditions for staff.

Fowex employs an ingeniously simple system that dehydrates organic food waste and reduces waste volume by up to 80%. The waste is scraped directly into the Fowex unit where it is shattered prior to entering a compression chamber where the water content is squeezed out thereby reducing volume by up to 85%. After passing through a grease trap, the water is then safely disposed of by normal means whilst the much-reduced, almost dry and odourless residue is removed for incineration.

Compact, fully automatic and self-cleaning, a Fowex unit will bring about water and energy savings of around 65%. Clean-up operations are simplified and odour and bacterial contamination are eliminated.

The system has already shown its worth in a variety of commercial and exotic locations - kitchens in leading UK restaurants and hotels, hospitals in Sweden, ski resorts high in the Alps, and the deserts of the Middle East.

Features and advantages

- Compact design with small space requirement
- Flexible installation configurations - either close-coupled or remote
- Fully automatic operation
- Self-cleaning cycle of separator system
- Stainless steel construction
- Full one-year warranty



New agreements

Nexen

We are pleased to announce that an agreement has been signed with Nexen Group Ltd. whereby Jarshire is an official distributor in the UK for their range of industrial pneumatic clutches, brakes, torque limiters, web tension and guiding controls. A full range of spare parts is carried and we can offer a repair and installation service.

Officine Airaghi

An agency agreement has also been signed with Officine Airaghi Srl who supply a wide range of spare parts for paper making machines including de-flakers, conical and full disc refiner spares and protection sleeves for shafts.

Jarshire will now represent their interests in the UK.

DID YOU KNOW?

90% of the jumbo tissue reels produced in the UK are wound on Svecom 640 PQL shafts?

Not a lot of people know that - except all those satisfied users.

JARSHIRE news

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