



FESTIVE 2010

PACKAGING & Print Media

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FMCG Pack ■ Nando's iconic packaging makeover

■ Bag-in-box market round-up **Plastics** ■ Extrupet's rPET for Woolies

Flexibles ■ Melamine-based coatings find favour ■ FTASA rewards cutting edge flexo print

Folding cartons ■ Shave & Gibson keeps investing

Labelling ■ Gallus brings new era for commodity labels ■ Innovative upgrades for Rotoflex

Print Matters ■ A new dawn for Hi-Tech Inks ■ 'New-look' Associated Printing

Innovative recycling system



OFRU's solvent distillation unit ASC-150 is designed for direct connection to a printing machine.

FOR more than 30 years, German company, OFRU Recycling, has been known as a technology leader in the design of recycling plant for hazardous and flammable solvents. The company offers a reliable and safe solution for the treatment of printing industry solvents.

Among typical printing industry solvents that are easily recyclable are ethanol, ethyl acetate, isopropyl (alcohol), and toluene. OFRU's solvent recycling plants ASC-100 or ASC-150 are suitable for printing press or platemaking solvents and, depending on percentage of solids, are said to reclaim between 160 and 800 litres/shift. With buffer tanks, they're designed for direct connection to the press, where the solvent recycling plant supplies 'in-line' fresh solvent for automatic cleaning of printing decks.

Daily quantities of 250 to 1 000 litres of solvents for modern printers are no longer unusual, says the company.

Both units are equipped with innovative safety devices. Printing solvents – in particular nitrocellulose

– are easily flammable at certain temperature and/or dryness levels. For this reason OFRU offers a special safety device for nitrocellulose solvents, which are distilled and supervised by means of strong vacuum at low temperature.

Another security feature is the design of the distillation boiler. Its specially-designed bottom, combined with a strong agitator, allows the walls to be optimally scraped off. The heating surface is used efficiently, not only saving energy but also ensuring continuous distillation.

If, for any reason, the printing ink catches fire, a water shower immediately stops the exothermic reaction.

Further Information is available from OFRU's local sales partner, Ipex Machinery.

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First OFRU solvent recovery plant in Durban

THE first ASC-100 recovery plant for liquid hazardous waste has been commissioned in South Africa. It was installed at Tropic Plastics & Packaging in Durban in June and is now recycling some 700 litres of solvents per 16 operating hours.

Dirty solvents resulting from the printing process for Tropic's extensive range of flexible packaging are now recycled in an environmentally-friendly manner using a distillation process and then reused in the factory.

This is an important step towards encouraging recycling management in South Africa's printing sector.

