



A Pemco SHM1450 DR sheeter has been installed at Nampak Cartons & Labels.

# Leading-edge sheeting technology

**NAMPAK Cartons & Labels prides itself on effectively managing its supply chain by sourcing many types of cartonboard and paper from multiple suppliers around the globe to service the requirements of its wide diversity of customers. Underlining this commitment to efficiency, the Epping, Cape Town, lithographic plant has recently installed a sheeting machine to deliver precise yet cost-effective board and paper sheeting for its printing presses.**

The company has invested in the latest high-speed Pemco SHM sheeter to improve efficiency and quality and to reduce waste during the board and paper sheeting process.

Some readers will recall seeing a Pemco SHM 1450 sheeter demonstrated at last year's drupa. This model is proving popular with printers worldwide for in-house sheeting of paper and cartonboard requirements and to service their printing presses on demand – in keeping with today's JIT production philosophy.

The SHM range of high-precision sheeters offers superb flexibility. In addition to traditional paper and

board products, they can sheet a broad spectrum of materials produced in roll form, which means that converters who plan to run specialty products don't need to invest in multiple machines, thus reducing costs without sacrificing quality.

With its 'synchro' cross-cut knife block, the SHM 1450 attains speeds of 335m/min, with a maximum sheet width of 1 450mm. Sheet length can range from 295 to 1 500mm. Size or format changes can take less than 10 minutes, including loading a new roll. It also features capabilities for non-stop operation and automatic pallet change or extended sheet lengths of up to 2,8m.

The SHM 1450 sheeter perfectly suits established converters, such as Nampak Cartons & Labels, who in conjunction with customers are seeking continuous improvement in cost, lead times and flexibility. The installation of this state-of-the-art sheeting facilities will further enhance the company's drive for precision in terms of product manufacture and general manufacturing performance.

Says Mark Vinnicombe, Nampak Cartons & Labels technical director, who was directly involved in the selection and purchase of the Pemco: 'Our sheet-fed lithographic operation in Cape Town is involved in producing a diverse array of high-quality products for discerning customers across a wide variety of board and paper specifications. These raw materials are sourced locally and from suppliers across the world. We pride ourselves on our supply chain management capability; and sheeting plays a role in optimising raw material usage against stock holding costs. Recognising the opportunities of sheeting technology upgrade for our Epping business, we met with a number of potential sheeter suppliers at drupa. Our objectives were to increase sheeting speed and to improve the sheet size/squareness accuracy and the cut-edge quality to give us fast and trouble-free converting. Our eventual selection of the Pemco has been vindicated through the professionalism of Pemco, ably supported by Ipex Machinery locally. The installed machine has ably fulfilled our project objectives.'



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Pemco – part of the Korber PaperLink group, and represented in South Africa by Ipex Machinery – is a manufacturer of complete packaging lines for cut-size and folio-size paper and board, and the SHM brand of folio-size sheeting systems for paper and board.

**Ipex Machinery**  
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## Environmentally-responsible CD, DVD packs

**PAPERFOAM is a young but fast-growing company based in the Netherlands.**

Established in 1998, the vision of the company's founders was to produce packaging using starch as a prime ingredient. Once they had fine-tuned the necessary injection moulding technology, their first commercial products soon came on line.

The subsequent appointment of licensees around the world helped further expansion and by 2004 more than 150 million PaperFoam trays were being produced for dozens of customers.

And now the technology is available right here in South Africa, thanks to the establishment of a local agency.

In 2006, PaperFoam launched a new line – CD and DVD trays.

Sales of packaged DVDs are on the increase worldwide and there's a call for innovative and sustainable packaging to create perceived value for the customer. PaperFoam gives a new look and feel to packaging with its unlimited range of colours and recyclability, helping the entertainment industry to

The PaperFoam CD and DVD trays have been developed to be glued to cartonboard and are compatible with automated packaging machinery.

achieve a lower carbon footprint.

In addition, with counterfeiting on the increase, the use of PaperFoam packaging (which can only be produced by licensed manufacturers) provides a guarantee of authenticity.

According to the company, these PaperFoam trays are the first successful environmentally-friendly alternative to plastic for packing CDs and DVDs. They are 100% biodegradable and recyclable with paper; and their low weight results in reduced shipping costs.

A study conducted by the University of Utrecht/ Copernicus Institute shows that production of PaperFoam trays results in only a fraction of CO<sub>2</sub> emissions and uses less energy compared to production of traditional Jewel boxes and Digi trays.

For more information contact Nicki Becker (082 785 4573; nicki@paperfoam.co.za)



PaperFoam CD and DVD trays are available in 12 basic colours.

