

KOLBUS.

newsletter

Spring 2011



Welcome..
..to the Spring
edition of the Kolbus
UK Newsletter.

In this edition we focus on a new product which we believe will make the finishing of digitally printed products considerably

less labour intensive whilst maintaining the finished quality of bound product that the book Publishers – and their customers – expect. We have all become involved in the growth of the digitally printed book and Kolbus have been developing machinery for the day when production levels make investment in high volume industrial book binding equipment for these products a commercial possibility.

*The **KM 200 binder** is the first of a new generation of binders which will automatically adjust for different product thicknesses at speed thus providing a solution to the old problem of a digital press with no make ready time between titles to be linked with a perfect binding line with no make readies. The binder was launched at Digimedia last month to great acclaim.*

Many of you will have received your individual special hard case copy of Digital Printer magazine this month and we show how at Kolbus we were able to produce this unique edition, once again demonstrating that it is possible to produce runs-of-one on Kolbus equipment.

If you are interested in any of these new developments please do not hesitate to give us a call.

Roscoe Fletcher
managing director

Kolbus KM200 Launched

The all new Kolbus **KM200** perfect binder was launched at the recent **Digi:Media** exhibition which took place in Dusseldorf.

“Content meets Technology meets Business” was the motto of this new show for commercial publishing and digital printing, presented by Messe Dusseldorf the drupa organisers. It was backed by a programme of 13 congresses, seminars and workshops.

Kai Büntemeyer, CEO of Kolbus GmbH said after the show: *“This exhibition format works. It offers a forum for conversations at a new level. This was rewarded by sufficient quantities of visitors with decision making competence”.*



The new perfect



Thickness adjusting infeed

Kolbus have developed the new **KM200 perfect binder** to be the ideal solution in any short run environment where multiple titles are produced to a common format. Typically digital web presses are producing standard format sizes from the same web width and cannot change format without stopping; the only variable is the product thickness.

The new Kolbus KM200 is based on the proven engineering technology and quality of the Kolbus Publica binder. It utilises the swing clamps which exert mechanical clamping pressure and do not need to be set for differing product thicknesses, so every clamp can have a different thickness book in it. The operator just

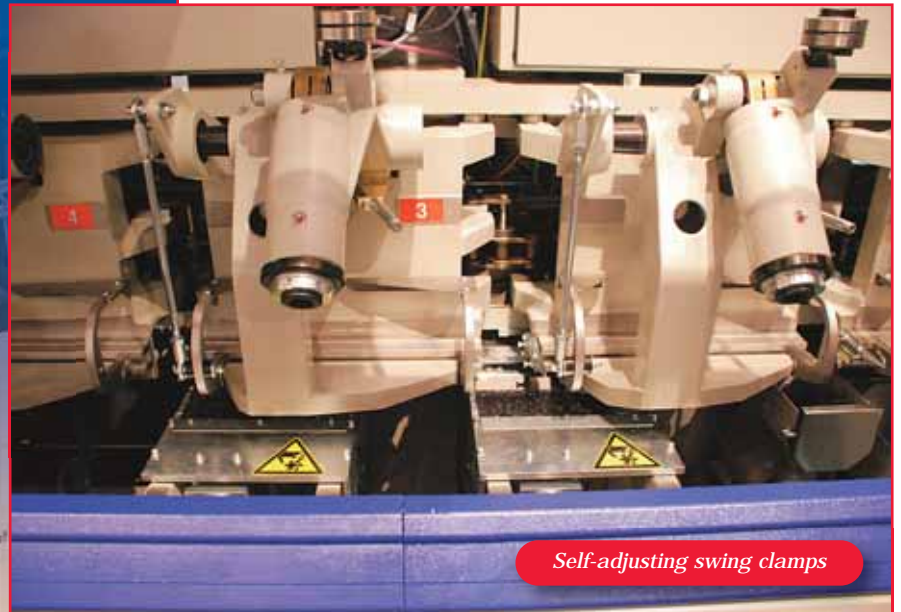


Self-aligning cover feeder

needs to drop books into the KM200s feeder and from there on all adjustments are made automatically with top quality perfect bound products being produced at speeds of up to 5,000 copies/hour.

The KM200 automatically measures each product on the infeed and senses the difference in thickness between it and the previous book. Guides on the infeed and delivery are automatically adjusted and depending on the difference in thickness it calculates how many clamps to leave empty to allow sufficient time for the motors to automatically adjust all the rest of the machine settings. When the settings are complete the operator is advised by a light system to drop the next product into the feeder. It has a clamp

... digital ... binder



Self-adjusting swing clamps

need to be centred on the centre line of each individual book. To achieve this the whole cover feeder moves to register the book and cover centre lines accurately.

The cover scorers similarly centre on the book and then the pressing unit moves laterally around the centre to give an accurate press.

Finally products are trimmed on the Kolbus **HD130** three knife trimmer which will also accept differing product thicknesses.

First deliveries of the Kolbus KM200 are in stand-alone format but it is envisaged that they could be linked with an upstream converting machine, producing either sections or loose sheets.



Product centred scorers

length of 420mm and can produce books from 2mm to 60mm in thickness.

Unlike standard binders there is no need for the KM200 operator to make fine adjustments at the waist of the machine. It measures product thickness again once it is in the clamp and the air is out of the sheets, and then makes fine adjustments to a tolerance of +/- 0.1mm.

The KM200 utilises standard Kolbus spine preparation stations as required, with spine glue being applied through a roller tank. The side glue is applied through a nozzle system where the outer nozzle moves to allow for changes in product thickness.

With every product able to be of a different thickness the covers

Another World First for Kolbus



Earlier this year Kolbus co-operated with Whitmar Publications, Taopix Photobook and HP Indigo to produce a unique product — the world's first case bound issue of a monthly magazine. Personalised and individually addressed copies of the March issue of **Digital Printer** were mailed to its regular 6,000 magazine subscribers.

The previous month readers had been invited to submit four images of their

choice via Taopix based online software. Through an HP Indigo press these uploaded images were incorporated into personalised covers — with an alternative default set of pictures for readers who didn't get around to submitting their own — and printed cover sheets were produced. These were then shipped over to Kolbus GmbH in Rahden, along with the conventional offset litho printed text sections. The folded B2 text sections were

collated on a Kolbus **ZU832** gatherer, the book block produced on a Kolbus **KM600** binder and trimmed on a Kolbus **HD143.P** three knife trimmer. The Kolbus **DA260** was employed to make the cases, with a **BF512** casing in machine completing the case bound March 2011 issue of **Digital Printer**.

The finished magazines were then shipped back to the regular UK mailing house for polywrapping and posting.

Print it, then Kolbus it.



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