Innovation DRUPA 2012

Opposite the **Matti Group** stand was our partner **CTC** showing their "**Book Bee**" print line. The BookBee 500 display was a high speed, high quality, duplex CMYK process colour UV inkjet printing module. The system was developed to produce: instruction manuals, textbooks and scholarly book applications requiring a low production cost.

BookBee 500 is an ideal on-demand printing system that can print on a variety of coated paper stocks to a very high quality similar to current book requirements, the presentation was showing how you can add new dimensions to the world of digital print- "Your vision our mission".

The Presentation

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Pre-Processing:

The display incorporated a **Matti Orion Unwind, Model MOU5020** feeding the **CTC** High Speed Duplex Digital Printer.

The unwinder incorporates a single loop control, allowing the unwinder to soft start and stop when connected on-line to high speed digital printers running at speeds of over 150 mtrs/min.

The web was then fed into a **CTC Digital Press.**

The digital printer has been developed to print duplex without the need for turner bars. The **CTC Digital Press** was printing 600 x 600 dpi using Piezo Drop on Demand technology. The printer incorporates built-in UV drying featuring LED pinning and standard UV final cure.

The printer base was developed by **Matti AG** an acknowledged specialist for the design, development and manufacture of high speed

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Post-Processing:

On the output of the **CTC Digital Printer** base was a **High Speed Sheeter.**

The Matti High Speed Sheeter the well-known Sheet Runnar has a heavy-duty rotary shear-cut cutter head giving exception long blade life. In this application the sheeter is set up with a **Pre Binding System,** an integrated gluing station which temporary binds the book block so that it can be easily handled before finishing in a perfect binder.

Alternatively the sheeter can be built with different input and output modules for a wide range of applications. Very high cut quality combined with fast, easy, set up makes this the system of choice for both off-line and high volume on-line users. Quick easy setup and "On Demand" operation means minimum operator attention. The ability to configure the unit with two shear cut blades make this unit unique for high speed production converting 12" documents to A4. By

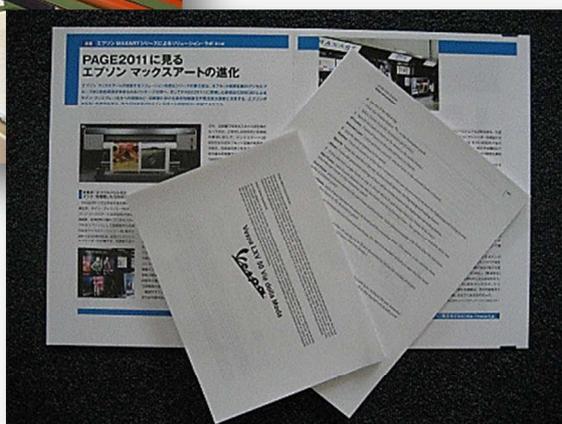**matti** inkjet web solution

Temporary bonded booklet
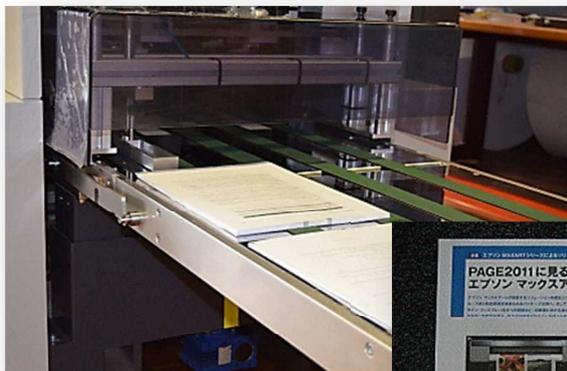
In our application the temporary bonded booklets were delivered on to a shingling table, ready to be taken to the finishing binder.

Adding a little bit more excitement to the show:

To show the versatility of the equipment during the show the sheeter was moved away and a rewinder was rolled in to show the line running roll to roll

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Downstream option: Rewinding on a Matti Orion Rewinder Model MOR5020/ACC.

By utilising the options package the rewinder can be configured for a vast range of printers or other host devices. All the rewinders incorporate a soft start system; therefore ensuring reels are consistently rewound to pre-set tension parameters. Therefore ensuring the reel is wound to the highest standards, which is crucial for subsequent processing.

The rewinder shown featured a built-in Buffer Accumulator, allowing the Rewinder to soft start and stop when connected on-line to high speed digital printers running at speeds of over 150 mtrs/min.

Equipment Used in the Presentation:

Unwind   Model MOU5020
Digital Printer   CTC: 600 x 600 dpi Drop on Demand UV printer
High Speed Sheeter   Model SC520 S1 with glue applicator.

<u>Alternative post processing device:</u>
Rewind   Model MOR5020/ACC

If you would like more information on any of the units shown in the print presentation please do not hesitate to contact us.

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