

Presentation Event May 2011

Matti Orion showed a range of pre and Post Processing Solutions at its Presentation Event. Working in-conjunction with some of its partners the event featured a comprehensive range of equipment, which was configured to show a wide range of applications from a simple roll to roll system to a digital printline with dynamic pattern perforations.

The Systems Featured:

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1) Roll to Roll Solution:

The display incorporated a **Matti Orion Unwind, Model TU5020** feeding plain **Crown Digital HS90 Paper** into a printer simulator and the output being rewound on a **Matti Orion Rewind, Model TR5020**



2) Roll to Cut Sheet Solution:

This display incorporated a **Matti Orion Unwind, Model TU5020** feeding pre-printed stock into a **Spedo 2400 Cutter** with the delivery system programed for batch delivery.



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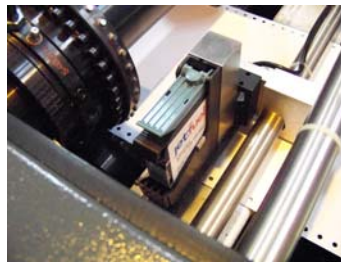
Also on display was the new double sack waste collection unit which allows nonstop operation of the cutter. When one sack is full the unit is switched to the second sack then the first sack is changed.



3) Roll to Fold or Roll Featuring a Paper Processor with Programmable Cross Perforating Unit:

The display featured an **Unwinder, Model TU5020** feeding plain **Crown Digital HS90 Paper** into a **Paper Processor, Model BPP520 Compact** the unit was configured with sprocket punching a programmable horizontal perforating cylinder and an Optical Mark printer.

The Compact has been designed to meet the exacting requirements of the latest new generation printers, which operate at high speeds and need the flexibility to change format at the touch of a button. The Mark printer adds versatility so that the unit can run Pinless paper with file holes and perforations only.



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The BPP520/Compact is part of the BPP520 family an extremely versatile paper converting unit, which can be customised for unique applications.



The output web from the processor was either fed into a **Rewinder Model TR5020** or turned 90 degrees into a **Matti Orion Folder Model CF20**. To increase work flow and printline efficiency the folder was configured with a **Vertical Stacker Model VST20**, The stacker can accept up to 12,000 documents.



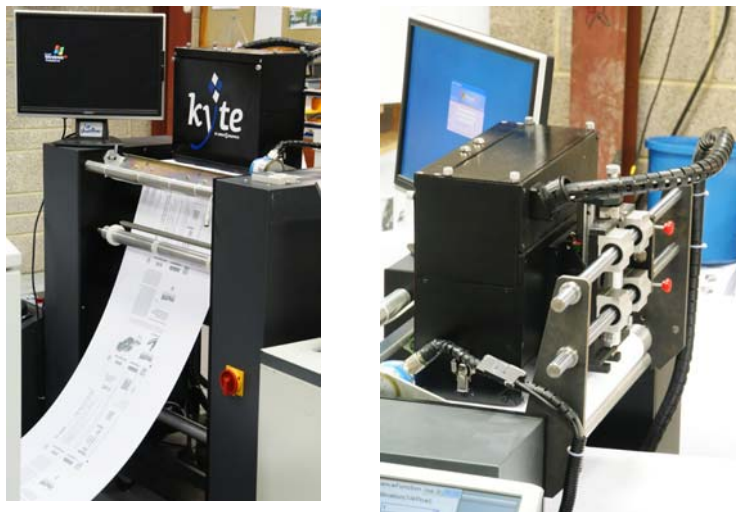
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4) A Variable Data Print Line with Dynamic Pattern Perforator and Document Verification:

This display featured an **Unwinder, Model TU5020** feeding plain **Crown Digital HS90 Paper** into a **Paper Transport Unit** incorporating a **KYTE Ink Jet Print Module**.



The KYTE Print head can be supplied to run on a variety of inks including UV, the width of the print head can be up to 540mm wide and have a print resolution up to 600 x 600 dpi.



The printed output was fed into a **Matti Orion Dynamic Perforator Model DPU20**



The DPU20 Dynamic Perforating Unit can be either a pinned or Pinless device. The unit was shown producing **Complex Pattern Perforations** selectively. The pattern perforations demonstrated comprised of Curves, circles straight lines vertical horizontal and at angles.

Increasing the versatility of the DPU the Document depths are programmable making the unit ideally suited for producing a whole range of documents from itemised bills with tear off stubs, tokens and custom perforations. The document depths can be varied from 11” to 14” all controlled via the operator touch screen.

After the Dynamic perforator the web was rewound on a **Matti Orion Rewinder Model TR5020**.



Built into the Rewinder was a **Lake Image Discovery Camera Inspection System**. Using high resolution imaging technology, the system provides real time data verification and print quality analysis for enhanced process control and data integrity.

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By reading the unique and variable data on each document, the Discovery system can verify with the original print file to identify duplicate and missing documents and print quality issues, while providing full integrity and productivity reporting.

For more information contact:

Mike Comer
Mike.Comer@mattiorion.com

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