



# UP3i @ PRINT'05



## Universal Printer Pre & Post-processing Interface

UP3i is an open interface architecture that seamlessly links your workflow management software, printer, pre- and post-processing equipment to provide an unrivalled degree of management and efficiency. Developed as a new international standard by leaders in the field of digital print production, it is fully compatible with the JDF architecture developed by the CIP4 group, allowing information created at the pre-press stage to be shared across the business enterprise.

With its facilities for monitoring the entire print and processing workflow from input to finishing, UP3i ensures failsafe operation—and enables customers to process jobs more efficiently and profitably than with conventional solutions

### CUSTOMER NEWS

Following extensive customer trials during 2004 and participation at exhibitions such as drupa, Graph Expo and the Océ Open House (the largest digital print show in Europe), there are now more than 80 installations of print lines using UP3i technology to deliver customers:

- Increased Productivity
- Enhanced Process Control
- Protection of their Investment

Examples of two complete system implementations are represented at Print'05, together with many other products across the show floor integrated into less intelligent print lines.

### ASK THE UP3i EXPERTS AT PRINT'05



**Duplo USA** booth # 3622

- Peter Dyson



**Hunkeler AG** on Océ booth # 2462

- Erich Hodel & Franz Affentranger



**IBM Corporation** on Lasermax Roll Systems booth # 3580

- George Promis



**Lasermax Roll Systems (Stralfors)** booth # 3580

- Hans Eliasson & Harm-Jan Hulleman



**Océ North America** booth # 2462

- Michael Schlieter / VarioStream VS9000 (web)
- Walter Young / VarioStream VS7000 (web)
- Frank Nacca / VarioPrint VP5000 (cut sheet)
- also Jim Hughes & Stefan Koller



**Xerox Corporation** booth # 1228

- Allen Berman



Production in this line is centred around an Océ VarioStream 9230 printing system, producing documents in a 1/1, 2/2 and 3/3 arrangement not seen in North America before. Pre & post elements are the Océ Buffer WB-S (manufactured by Hunkeler) and the new Hunkeler Unwinder UW-6 and Rewinder RW-6 from the latest Hunkeler POPP6 generation. The line has full UP<sup>3i</sup> control and Single Point of Information to provide excellent ease of operation for such a large system. The complete workflow is managed by Océ PRISMA providing a closed-loop document tracking system that automates, monitors and guarantees the accuracy and integrity of documents for maximum workflow efficiency. Océ PRISMA software works in concert with the systems and work processes that you already have in place, supporting multi-format, multi-vendor document systems, integrating the delivery of documents, enabling shared access to resources, and eliminating device and staff redundancies.



### Meeting Future Requirements

With the UW6 and RW6 unwind and rewind modules of the new POPP Generation 6, Hunkeler is able to meet increasing demands for high production performance and a diversity of printing substrates. Black-and-white and full-colour digital printing systems can process an increasingly wide spectrum of substrates – from medium towards both heavy and light weight papers.



### Single Point of Information With UP3i

Hunkeler is one of the first manufacturers to have systematically implemented UP3i into its Printer Online Paper Processing modules. The complexity of paper web management and control in the VS9000 family would make the configuration demonstrated at Print'05 quite impossible without the UP3i interface. Apart from allowing the delivery of a unique solution, the UP3i interface also allows Hunkeler to demonstrate the ability to operate and monitor the complete system from a single point using the operator GUIs located around the system. This functionality allows an operator at the printer to access the control panel of the finishing devices as if he was actually standing in front of one of those units, enabling fast set, reduced operator activity and far greater production security. The detailed explanations and graphically clear representations of all components in the line allows operators to become quickly familiar with all elements and navigate rapidly through a logical tree structure to locate the settings and operation they need.

### System Key Points

- Automatic synchronization & set up
- Change form size
- Markless process control
- Single point of information & operation
- Remote auditing

When a cutter is introduced to the system, the following are also possible:

- Change cut length
- Waste management (*after a paper jam the system resynchronizes, waste is automatically diverted to a bin and damaged pages are reprinted*)



## PRINT TO CUT SHEET – OCÉ NORTH AMERICA / BOOTH # 2462

In this solution, production is focussed around the VarioPrint 5160 cut sheet printer. Again, PRISMA allows the complete print workflow to be managed and integrated with the customer's data. Modules in this system using UP3i to integrate with the printer include:

- Finisher Module - providing stitching and stacking functions
- 4 Tray Interposer - for adding pre-printed sheets into the paper path
- Stacker - High capacity sheet stacking

All of the modules in this line are integrated through the UP3i interface, providing:

- Job set-up
- Automatic change over
- Single point of information & operation
- Remote fine adjustment
- Recovery to individual job page
- Auditing



\* \* \*

## Duplo

Although not shown at Print'05, the new “Océ Booklet System 5000” from Duplo can be added to this print line.

### Optimised Print Management

The remarkably close integration between the Océ PRISMA production workflow management software and the UP3i interface makes the system operate seamlessly and delivers a range of other benefits for controlling and managing workflow. The system can switch between different sized sheet formats and different finishing functions without operator intervention, meaning that substantially less make-ready and down time is experienced between jobs, a great efficiency-booster for print-on-demand providers who handle lots of different jobs. End-to-end troubleshooting facilities and automated recovery ensure that errors are fixed swiftly, a consideration that figures strongly in transaction printing and similar high speed, high volume environments. Automated output and finishing checks and enhanced paper management help keep the production line running smoothly, factors that can be managed and controlled by the operator from centralised control panels.



### A Wealth Of Choice

The Océ Booklet System 5000 keeps all the options open in booklet production. The solution can side-stitch booklets, corner-stitch in portrait and landscape format, and fold without stitching. Featuring an output resolution of up to 600 dpi, the Océ Booklet System 5000 can print and finish up to 2,370 four-page A4 booklets or up to 1,185 16-page booklets per hour. Booklets can comprise up to 22 sheets of 80 g/m<sup>2</sup>. There is also plenty of choice on input formats: Océ Booklet System 5000 supports native IPDS and PCL 5e and in combination with Océ PRISMA production can handle AFP/IPDS, PDF, TIPP, PostScript and LCDS (Metacode).



## LASERMAX ROLL SYSTEMS

UP3i technology is available in many of the LX range of pre & post handling solutions from Lasermax Roll Systems. These will feature in a number of web printing systems at Print'05. In particular:

**Booth 3580 / Lasermax Roll Systems**

LX550 Unwinder – IBM 4100 – Loopbox–LX561 Cutter – LX566 Stacker - Conveyer Table

**Booth 2462 / Océ North America**

LX550 Unwinder – VarioStream 7650 – LX530 Buffer–LX560 Cutter – LX565 Stacker - Conveyer Table

### LX Series features

- Alternative job / finishing directions
- Automatic waste handling (i.e. load process, paper jam, incomplete jobs)
- Automatic size adjustment for form length
- Automatic error recovery / job report
- Enables automatic re-printing
- Automatic re-synchronization after stop



## AVAILABLE UP3i PRODUCTS

- |                              |   |
|------------------------------|---|
| <b>Duplo</b>                 | <ul style="list-style-type: none"><li>■ DBMO-5000 Booklet Making System</li></ul>   |
| <b>Hunkeler</b>              | <ul style="list-style-type: none"><li>■ Unwinder UW4 &amp; UW6</li><li>■ Rewinder RW4 &amp; RW6</li><li>■ Cutter CS4-W &amp; CS4-2</li><li>■ Folder Stacker FS4</li><li>■ Buffer WBS</li></ul>  |
| <b>IBM</b>                   | <ul style="list-style-type: none"><li>■ 4100 web printer</li><li>■ Host InfoPrint Manager ver.410, PPFA, PSF .3.0</li></ul>   |
| <b>Océ</b>                   | <ul style="list-style-type: none"><li>■ VP5000 cut sheet printer</li><li>■ VS7000/9000 web printers</li><li>■ PRISMA APA (Host &amp; Server) PoD</li><li>■ CIS Document Composer</li><li>■ UP3i/Type 1 converter (simple devices &amp; legacy products)</li></ul> |
| <b>Lasermax Roll Systems</b> | <ul style="list-style-type: none"><li>■ Unwinder LX550</li><li>■ Rewinder LX555</li><li>■ Cutters LX561 &amp; 562</li><li>■ Stacker LX566</li><li>■ Feeder LX568</li><li>■ Buffer LX530</li><li>■ Slit-merge LX535</li></ul>                                      |



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