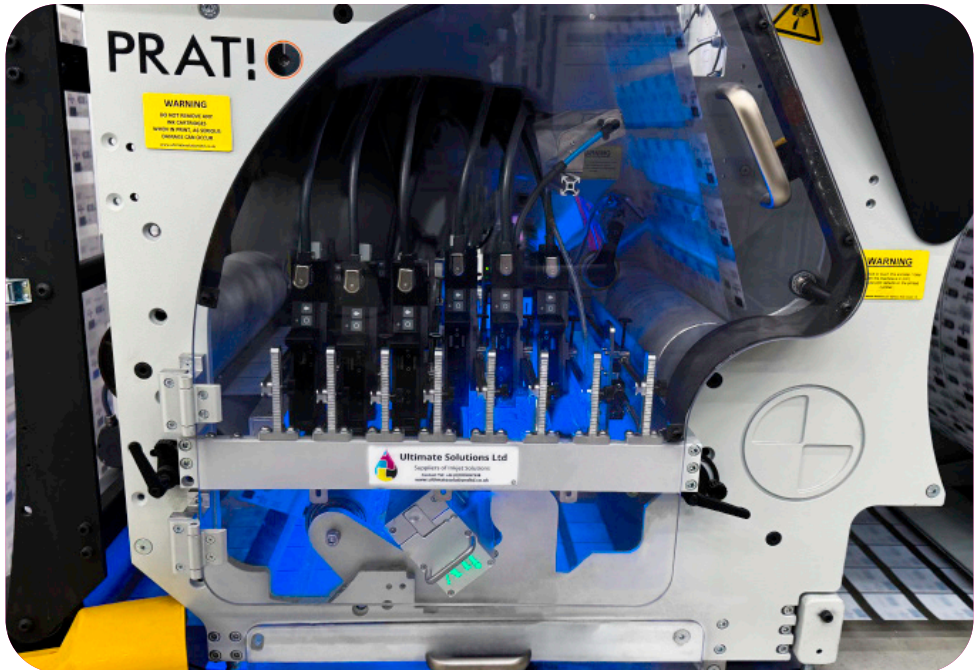


THERMAL INKJET (T.I.J) SOLUTIONS



BACK NUMBERING



PHARMACEUTICAL AUDIT PRINTING



MAINTAINS SEQUENCE

Continues printing even without a label present when used with the Signal Simulator X. Suppresses early triggers if they are seen.



QUICK SETUP LAYOUT SOFTWARE / FULL LOGGING OF THE JOB.

Our software is fast, intuitive, and provides a complete job log record.



INK REDUCTION SETTINGS

Reduces potential ink set off and on certain work can prevent any set off when using UV ink jet cartridges.



FULL LOGGING OF PRINT INSERTIONS AND AUDIT REPORTING

Produces summary reports at the end of each job detailing number of splices / missing labels detected, event positions within the roll, dates / times and full job set up



OUR SOLUTION

At Ultimate Solutions we provide a comprehensive range of variable sequential numbering solutions and TIJ2.5 Thermal Ink Jet technology for finishing systems along with a full range of water-based, solvent UV, invisible, and UV-cure inks for printing on different substrates. From modular units to bespoke frameworks, tailored to fit your finishing machine. Our solutions can be seamlessly integrated into your existing or new equipment.

SAFEGUARDS BUILT TO MAINTAIN SYSTEM INTEGRITY

Missing Print go's/ gaps in print

We have built a micro processor that automatically detects the size of each label. If false or early sensor triggers are seen we suppress these to only print one sequential number per label. These events are logged in a log file and displayed on a LCD.



WEB TRACKING

- Electronics that detect the web's movement in both forward and backwards directions.
- When reels are taken off the system the web relaxes. This is especially common with films and booklets
- Our system continuously monitors movement through a microprocessor. (Printing is paused whenever the web moves backward, and it only resumes once the web begins moving forward again).

GENERATING LAYOUTS

- Our software generates any layout design within 40 to 50 seconds.
- The software generates the layout, instead of an operator, every layout is consistent and repeatable. (This includes the sequential numbering, lead in, lead out & fixed data).
- Full control over the front end generator program so we can customise it to your specific requirements.
- The generator automatically selects the correct pen type. (All activity is fully logged, providing complete audit traceability).complete audit traceability).

FEATURES



MAINTAINS NUMBERING SEQUENCE/ SYSTEM INTEGRITY

Prevents errors that could break printing work flow and keeps numbers in order e.g. job or batch numbers.



MULTIPLE I/O THROUGH SIGNAL SIMULATOR X

Up to 8 opto-isolated inputs (12-24V DC) via a male 15-way D-sub connector. Up to 7 volt-free relay outputs (maximum 48V, 1 amp) via a female 15-way D-sub connector.



PROVIDING 0 TO 10 VOLTS ANALOGUE FOR SPEED CONTROL OF UV / NIR DRYING SYSTEMS.

By accurate speed control we create better product quality, less waste and faster changeovers.



MAINTAINS SEQUENCE

Continues printing even without a label present when used with the Signal Simulator X.



FULL LOGGING OF PRINT INSERTIONS AND AUDIT REPORTING

Produces summary reports at the end of each job detailing number of splices / missing labels detected, event positions within the roll, dates / times and full job set up details.



ABILITY TO RUN FROM A VARIABLE DATA FILE OR DATABASE

Good reliability and zero downtime.



MULTIPLE HEAD CONFIGURATIONS

From 1 to 16 heads/ lanes per system.



HIGH SPEED

300 dpi x 300dpi - 152 mpm/ 498.6 feet per minute (Please always check drying time before first contact roller before using).



INK REDUCTION SETTINGS

Reduces potential ink set off and on certain work can prevent any set off when using UV ink jet cartridges.



COMPACT DROP SIZE AND EFFICIENT FONT DESIGN MINIMISE OFFSETTING WHILE CUTTING CONSUMABLE COSTS

Less ink, more labels, and faster-drying performance for maximum efficiency.



DIFFERENT INK TYPES AVAILABLE FOR VARIOUS MATERIAL

Full range of water-based, solvent, UV



PLUG AND PLAY TECHNOLOGY

Easy to install with a small footprint and a high speed of 152mpm at 300dpi x 300dpi (Please always check drying time before using).

ADVANTAGES



QUICK SETUP LAYOUT SOFTWARE / FULL LOGGING OF THE JOB

Our software is fast, intuitive, and provides a complete job log through our Signal Simulator X, including a configurable, printable pass/fail label that summarizes the results. This label can be sent to an optional printer, allowing each completed job to include a customer-specific pass/fail record.



LOW MAINTENANCE AND EASY TO CLEAN AND USE TECHNOLOGY

No make-ready required, with access to over 200 cartridge types for printing on glassine or filmic materials. Simply wipe and print (please check ink adhesion on substrate before using).



I/O CONTROLLERS ARE CAPABLE OF DRIVING FULL CURE UV DRYERS BARS THROUGH THE SIGNAL SIMULATOR X

The system can be automated to turn on when UV assigned inks are selected.



LAYOUTS GENERATED BY A COMPUTER NOT AN OPERATOR

Computer-generated layouts ensure consistent, high-precision results without relying on manual input. Full logging files are recorded.



FULL REMOTE SUPPORT

Customers will receive 1 year free remote support and hardware warranty with the purchase of a USL Back Numbering system.



EASY SET UP AND FULL LOGGING SOFTWARE

Enter the basic label repeats and the software automatically does the rest.



JOB'S ARE EASILY TRACKED FOR AUDIT PURPOSES

Jobs can be fully tracked, with any errors that occur during the production run and automatically recorded.



ANTI STATIC DEVICES

Using our solution we can activate the anti-static bar only when the web is in motion optimizes system efficiency. This approach reduces power consumption, extends bar service life, and prevents unnecessary ionization when the web is stationary.



WEB MONITORING

Enhances overall print quality.

DISCLAIMER:

Specifications are subject to change without notice. The information provided herein may be updated or modified in future releases. While we strive to ensure accuracy, all details are provided "as is" and may change as improvements are made.



WE WORK WITH COMPANIES AROUND THE WORLD

Our global network spans multiple countries, featuring a diverse range of companies we work with. The interactive map highlights these locations, showcasing the reach of our operations and the strength of our international connections. Explore the map to see where we work and connect with our global presence

WANT TO BECOME A DISTRIBUTOR OR PARTNER?

Partnering with us opens the door to dedicated support, exclusive resources, and a product range crafted to help you stand out in your market. You'll gain a trusted ally committed to helping you grow and reach new customers with confidence. If you're interested or would like more information, please contact us at: support@ultimatesolutionsltd.zohodesk.eu



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