

# UBS Aplink

## High-Resolution Inkjet Printers



### high-definition - industrial

The United Barcode Systems (UBS) Aplink range allows high-definition text, graphics and barcodes to be printed directly onto porous and non-porous surfaces including cardboard, plastics and metals.

As an alternative to applying labels to outer case cartons, Aplink printers offer significant cost and environmental benefits. Printing costs are typically 6 to 8 times lower than the cost of labels as well as eliminating backing paper waste and reducing haulage carbon.







## UBS Amlink MRX

Amlink MRX modular systems enable up to 4 x 72mm high or 2 x 140mm high printheads to be controlled from a single 10.5" touchscreen controller.

Printheads can be orientated to print forwards onto the side of products, downwards onto the top of products or forwards onto a web moving up or down in front of the printhead. An umbilical printhead option is available for confined spaces and remote locations.

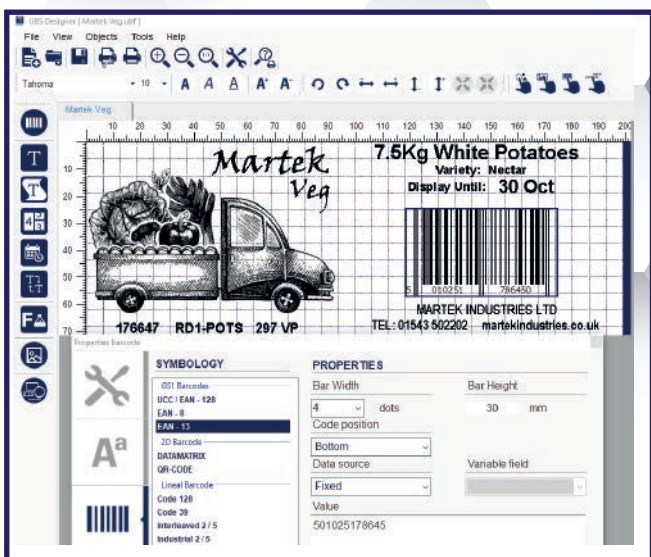
Text can be printed in any font and point size including variable data such as date, time, sequential numbers and offset dates. With a print resolution up to 180 x 720dpi, detailed graphics and symbols can be easily printed.

All common barcodes and 2D codes including QR codes and Datamatrix codes can be printed.

The MRX Bi-Colour system integrates two print engines to give a 72mm-high printband with two ink colours. This can be used to print red and black data for GHS labelling as well as other 2-colour printing requirements.

MRX systems use 1-litre ink bottles - sufficient to print typically 200,000 to 250,000 outer case cartons. Bottles can be changed on the fly without stopping the system.

The heated ink system ensures consistent printing irrespective of fluctuating operating temperatures.



## UBS Designer Software

All Amlink systems come with UBS Designer software to create and edit print designs on a Windows PC.

Text using any font and point size can be printed including variable data such as date, time, offset date and sequential numbers. Detailed graphics, symbols and shapes can be added and manipulated within UBS Designer.

All common barcode symbologies are supported as well as QR and Datamatrix 2D codes.

Print designs are uploaded to Amlink controllers via Ethernet, USB drive or optional WiFi. Once uploaded, the Amlink system can operate independent of the PC.

For more complex print designs including database printing and complex field handling, UBS Designer Pro software is available.



# UBS Aplink LCX

For requirements to print up to 72mm high onto the side or onto the top of products, the Aplink LCX Series provides a compact, self-contained solution.

LCX systems comprise a 72mm-high printhead, ink system and 5.7" touchscreen controller in one compact unit.

The same 1-litre ink bottle is used as for MRX systems ensuring the same low printing costs and uninterrupted printing with bottle changes on the fly with no need to pause printing.

Print resolution up to 180 x 360 dpi allows crisp, high-definition print at speeds up to 50m/min.

As with MRX systems, UBS Designer software is included as standard to create, edit and upload print designs to the LCX system. Once uploaded, the touchscreen is used to select the required print design and enter variable data such as batch codes and sequential number starting values.

Despite their low cost, LCX systems share the same industrial build quality as MRX systems.

LCX systems are ideally suited to outer case coding as an alternative to applying labels with significant cost and environmental benefits.



## UVLED Technology

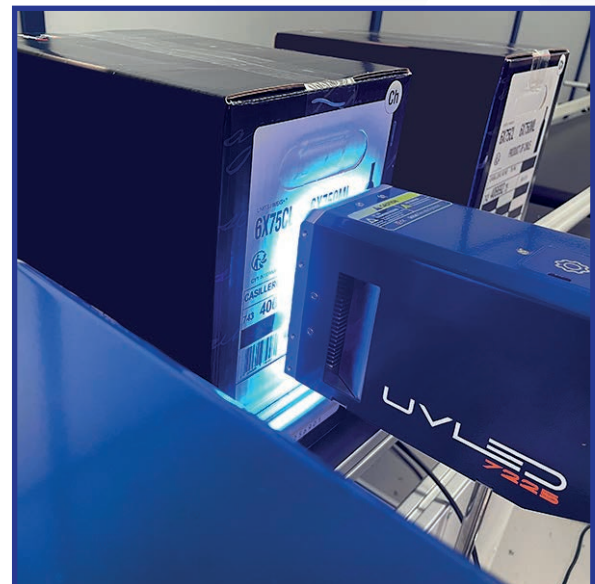
Aplink MRX and LCX systems can be used to print onto non-porous materials as well as porous surfaces.

In order to print onto metals, plastics, glossy cartons, glass and other non-porous surfaces, polymer-based inks are printed and instantaneously cured using the latest UVLED technology.

Aplink systems use exclusive integrated UVLED Security System® (OBSS) to prevent glare for line operators.

Smart-Cure technology adapts curing power at variable line speeds to avoid product damage.

LED curing can be controlled to only activate LED arrays in parts of the print band where printing is taking place, saving energy and increasing service life.







## Sustainable Carton Coding



Not only does printing directly onto cartons cost 6-8 times less than typical label costs, it delivers significant environmental benefits.

A single 1-litre bottle of UBS Aplink ink can print over 200,000 typical outer case carton label designs directly onto cartons eliminating the need for 350Kg of labels.

Of that 350Kg of labels, about 140Kg is usually made up of backing paper that cannot be recycled with other paper waste due to the silicone coating.

Haulage carbon is also greatly reduced by avoiding the shipping of label materials from northern Europe to slitting plants in the UK then to the label manufacturer and finally on to the end user - that's 3 journeys for 350Kg of material compared to 1-litre of ink.



## Offline Carton Coder

Martek has developed the Offline Carton Coder to allow companies that hand-apply labels to outer case cartons, trays and bags an alternative to print directly and eliminate labels.

When printing cartons, the side, end or both can be printed in a single operation using a 72 or 140mm high Aplink MRX printhead.

Cartons, trays or bags are manually loaded into the system where the printhead traverses across the product to print text, detailed graphics and barcodes in typically 3 seconds.

For higher-volume production, Martek also supplies automatic carton feeders to print cartons from stack to stack.