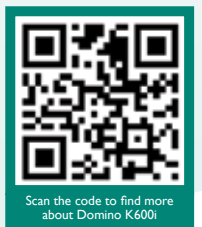# The K600i ink jet printer

It's just so versatile

Simple, productive and cost effective printer for variable data printing onto a wide range of media.

Domino. Do more.

It's just so versatile

Printing on to a wide range of uncoated and coated, as well as plastic media, the K600i combines productivity with 600dpi print quality.

The K600i, configured to the print width required, can be integrated into an existing handling system for digital imprinting or can be in the format of a monochrome digital press.

Simple and productive digital ink jet will help you to increase sales and profitability.
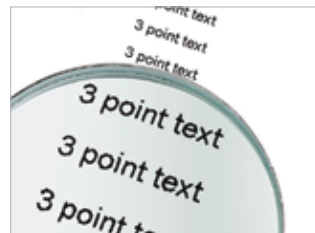
A diverse range of applications

Designed for sheet or web – printing onto labels, tags, tickets, forms, security products and direct mail.

Personalisation of high quality pre-printed labels.

Printing barcodes and numbering in a defined sequence.

Microprinting for small text requirements - includes the option to print at 1200dpi.

Greener credentials

Domino's commitment and investment in sound environmental practices means we frequently exceed the increasingly demanding governmental, industry and company standards and regulations. We are committed to minimising the consumption of natural resources and energy and the creation of waste. Our products are RoHS and WEEE compliant so that they are recyclable.

K600i

The K600i is supplied with UV curable, LED curable and aqueous inks representing an efficient use of our natural resources. Although UV curable inks are chemicals and need to be used correctly, they offer significant environmental benefits compared to solvent alternatives. Solvent inks include up to 95% volatile solvents that evaporate into the environment and require regular print head cleaning. K600i UV curable inks contain 1% volatile solvents.

Configured for your requirements

Modular

Print widths range from a single print module, printing an image area of 108mm (4.25'') up to 558mm (21.96'') as standard (wider on request). Print head alignment and image stitching is achieved through the **i-Tech *StitchLink*** micro-motor controller technology. It is easy and accurate for rapid set up of high quality images.

Stand alone

Domino can supply a number of alternative stand alone digital print solutions, including reel to reel or integrated on the Domino **UniLine** mail base.

Print Module	5 Wide	
	(mm)	(inches)
x 1	108	4.25
x 2	220	8.69
x 3	333	13.11
x 4	445	17.54
x 5	558	21.96

Easy to Integrate

The compact print head comes complete with mounting bracket and **i-Tech *CleanCap*** maintenance station. Options include a roller section or complete Domino **WebEx** extension section, enabling simple integration into an existing machine.

This can include mounting on a printing press, finishing line or a mail base... we just need some space and good material control to convert you to digital.

It is all about cost of ownership

Simple

Compared with other digital printing technologies, Piezo ink jet with UV curable, LED curable or aqueous ink is a non-contact form of printing with few moving parts. There are fewer requirements for manual intervention. The result is enhanced reliability.

Pay for what you use

The **K6**00i has few consumable parts. The ink and flush are charged based on the amount used. There is also the potential to reduce costs for longer run jobs through variable data imprinting, thereby limiting the amount of digital ink required and maximising profit per job.

Use what you need

Select one of four drop sizes (6, 7, 11, 14pl) for each job. Optimise print quality for a given media or reduce production costs by controlling ink usage.

Productivity productivity productivity

Less maintenance time

The revolutionary **i-Tech CleanCap** automated print head cleaning and capping technology means the K600i almost maintains itself. **CleanCap** is a clean and consistent controlled process: there is no time consuming daily manual print head cleaning. The risk of print nozzle blockages are dramatically reduced, which all adds up to being able to run more production. When not in operation the print head is automatically moved into the **CleanCap** where the head is wiped and capped ready for the next use.

It keeps operating

We want to keep the print heads running. The unique **i-Tech ActiFlow** ink circulating system ensures that the ink is always moving around the print head, even when the print head has stopped. **ActiFlow** helps to degas the ink, preventing air bubbles forming that can impact nozzle performance. More time is spent on printing and less is spent on maintenance.

It is quick

Operating at linear speeds up to 75m/min (246ft/min), printing at 600dpi, means the K600i sets new standards for printing onto a wide range of substrates. 150m/min (492ft/min) can be achieved at 300dpi print resolution.

Workflow efficiency – It is not just about printing

Industry Standard Controller

The Domino **Editor™ GT** PC based controller, with over 2,000 installations, is available for receiving and configuring data files for printing. A number of data formats can be received. In addition data creation tools are available, such as cut and stack and step and repeat numbering. To meet your application needs, a range of machine control options are available, including mail sort and in-line camera verification.

Simple data prep tools

Off-line software tools are available for easy set up of more complex production jobs.

Custom

For individual requirements, where workflow processes are already established…talk to us – we have the expertise to integrate seamlessly and cost effectively.

Domino. Do more.

A quick tour around the K600i

intelligent Technology

i-Tech components combine to create a system altogether more flexible and reliable.

Print head mount

Roller section (optional)

K600i print head including three modules with **i-Tech** *StitchLink* micro-motor control

i-Tech *CleanCap* automated cleaning and capping station

Editor™ GT User Interface (optional)

Flush system enclosure for *CleanCap*
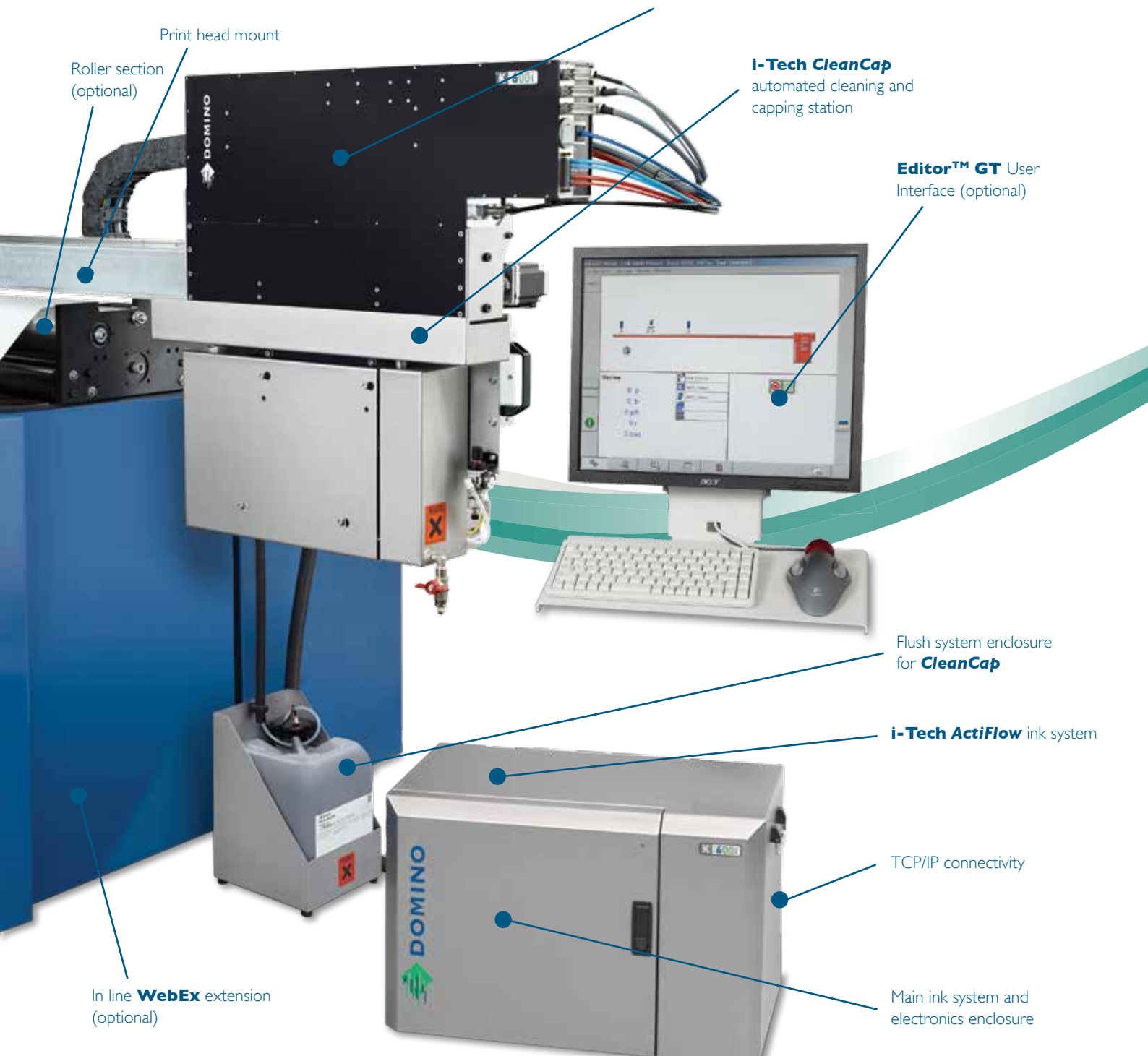
i-Tech *ActiFlow* ink system

TCP/IP connectivity

Main ink system and electronics enclosure

In line **WebEx** extension (optional)

Water chiller can be provided for print optimisation when required

Domino. Do more.

10 litre ink supply box

Technical Specification:

Operational Capability

Maximum line speed	37.5 - 150m/min (123 - 492 ft/min)
Print resolution	300dpi - 600dpi - 1200dpi options
Nominal drop sizes	Selectable 6, 7, 11, 14pl (14pl drop only at reduced speeds)
Image width	108mm (4.25") to 558mm (21.96") - wider on request
Nominal media to print head distance	1.0mm (0.04")
Media	Coated and uncoated paper, foil and plastic

Ink System

Ink Supply	1 - 10 litres (ink dependent)
Ink Type	UV Curable / LED Curable / Aqueous

Print Capability

Editor GT: Windows® True Type, Adobe, OCR, Barcodes: Australian Post Custom, Australian Post Redirect, Australian Post Reply Paid, Australian Post Routing, CodaBar 2 widths, Code 11, Code 2 of 5 Data Logic, Code 2 of 5 IATA, Code 2 of 5 Industry, Code 2 of 5 Interleaved, Code 2 of 5 Matrix, Code 2 of 5 Standard, Code 39, Code 39 (ASCII), Code 93, Code 93 (ASCII), Code 128, Code 128A, Code 128B, Code 128C, DPD Code, DP Identcode, DP Leitcode, EAN13, EAN13P2, EAN13P5, EAN14, EAN8, EAN8P2, EAN8P5, EAN128, Flattermarken, GS1-128, GS1 DataBar, GS1 DataBar Expanded, GS1 Data Bar Expanded Stacked, GS1 DataBar Limited, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 Data Bar Truncated, ISBN, Italian Postal, Japanese Postal, KIX, Korean Postal, LOGMARS, MSI, NVE-18, Pharmacode One-track, Pharmacode Two-track, PLANET 12, PLANET 14, Plessey, Plessy Bidirectional, PZN, Royal Mail 4State, SSCC-18, Telepen, Telepen Alpha, UCC/ EAN 128, UPC 12, UPC 25, UPC A, UPC-A P2, UPC-A P5, UPC-E, UPC-E P2, UPC-E P5, USPS Intelligent Mail Barcode, USPS PostNet5, USPS PosNet6, USPS PostNet9, USPS Post-Net10, USPS PostNet 11, USPS PostNet12.

2D Codes:	Data Matrix, MicroPDF417, PDF417, PDF417 Truncated, QR-Code
Graphics:	.bmp, .pcx, .tif, .jpg, .gif, .pdf
Other Interfaces	Please refer

Flush holder

Key Dimensions

Conduit length - main enclosure to print head	4m (13')
Conduit length - main enclosure to flush bottle	4m (13')
3 head print bar	1286w x 251.5d x 936.7h mm (height dimension does not include radius of conduit)
10L ink supply box	640w x 440.4d x 425h mm (dimensions excluding conduit radius)
Flush holder	234w x 234d x 360h mm (dimensions excluding air regulator and conduit radius)

Services

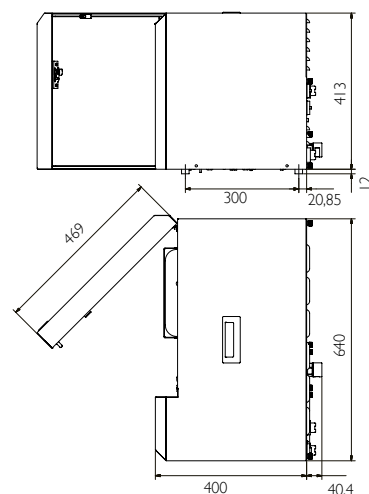|		
Electrical	K600i	110-240v AC50-60Hz 10A (auto ranging)
	UV System	Operation dependent, normally 380-420v three phase drop
Compressed Air		6-8 bar clean dry supply

Environment

Optimum temperature range	20-30°C (68-86°F)
Optimum humidity range	40-60%

Ancillary Equipment

Print head guarding, UV dryer, LED UV pinning, Web cleaner, Web guide, Anti-static bars, UniLine mail base, WebEx web extension, Reel to reel system, Arched roller section, Corona treatment.

www.domino-printing.com