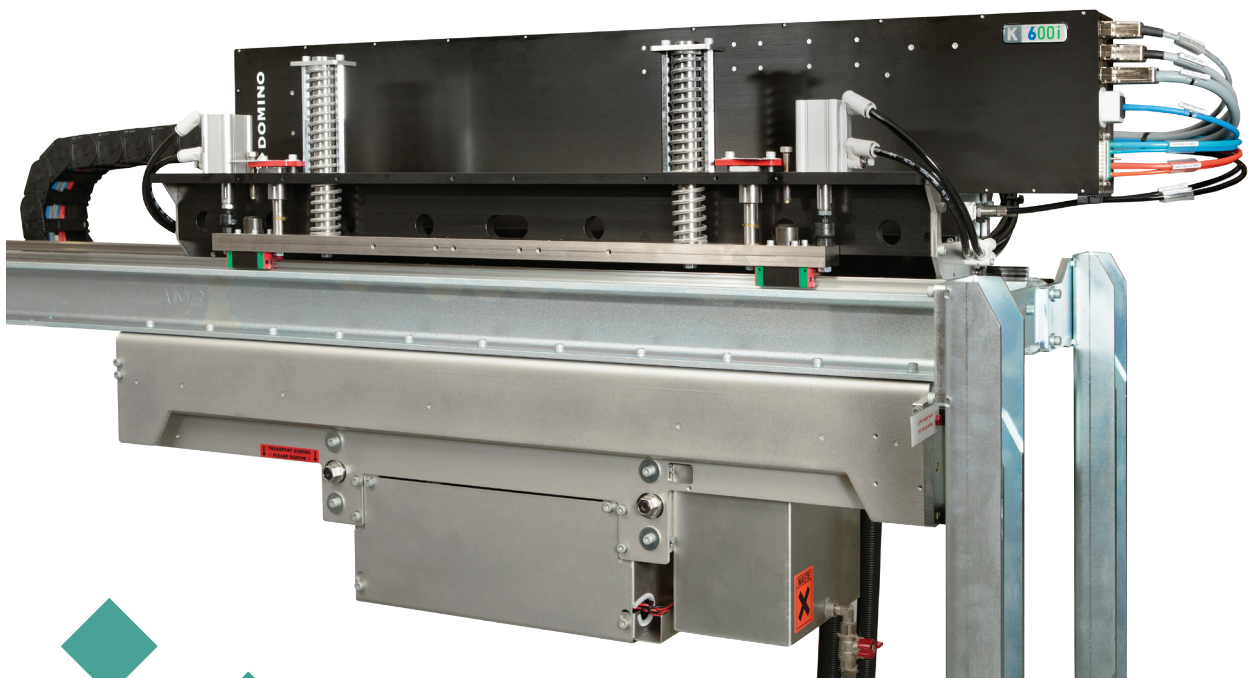




B2 sheet-fed ink jet printing solution using the K600i



Versatile, high speed and scalable system
up to 782mm (30.81") wide for overprinting
fully personalised variable and secure data

Domino. Do more.

Sheet-fed ink jet printing

The Domino **K600i** is a truly modular and scalable printing system that can be provided in up to 7 different print width formats, with two speed options and with UV-curable or aqueous inks. It can be used for applications as diverse as security fiscal tax stamps, tickets, game cards, high impact mailing, pharma and light-carton packaging – in fact anywhere where B2 sheets need high speed, secure and reliable printing of variable data, codes and graphics. In this example, the 782mm print width **K600i** is integrated onto a Gremser SPL70 automatic sheet-feeder that can feed full size B2 sheets from 60gsm to 250gsm in weight at up to 120m/min.

K600i: Ideal for diverse print applications

The modular design of the **K600i** enables it to be integrated onto any cut sheet feeding system for printing onto labels, tags, tickets, forms and security products as well as direct mail pieces, inserts and light board cartons.



Security products, gaming and phone cards, event ticketing – where accurate, secure authenticated variable data is required



Direct mailing pieces and inserts can be personalised using deep, rich 'gloss' blacks offering high visual impact



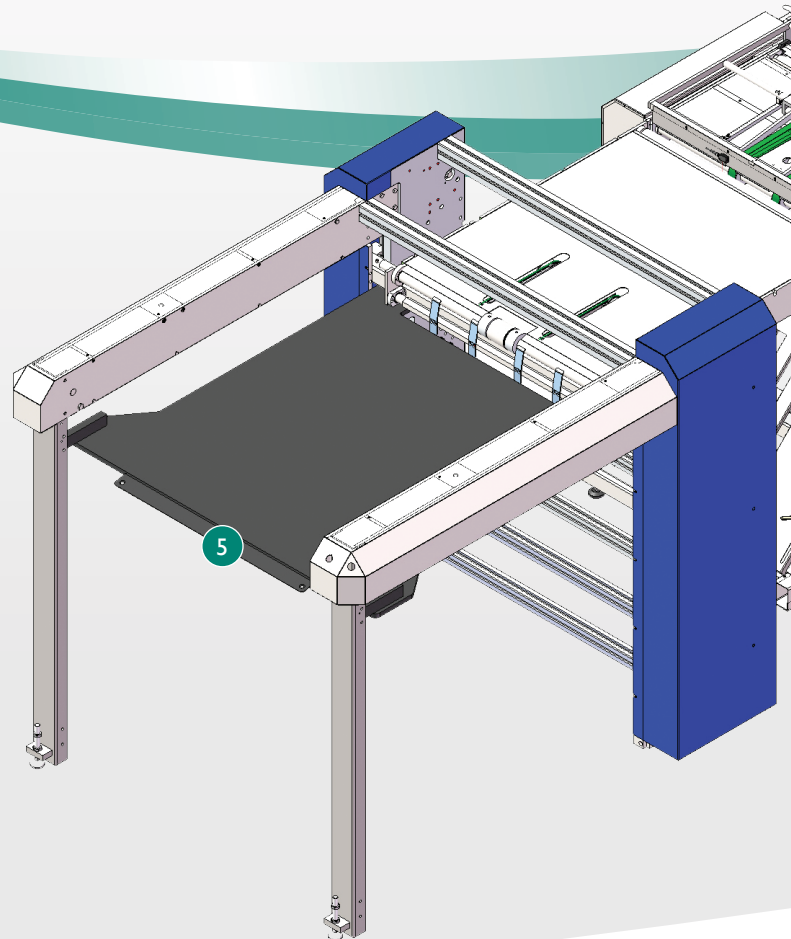
Sheet fed label stock can have real time variable data added cost effectively and at speed using the **K600i** system

1. Pallet Infeed
2. **K600i** B2 Sheet Print Bar
3. LED UV-Curing Lamps
4. Camera Inspection System
5. Printed B2 Sheet Outfeed

Key Features:

- Numbering sequences
- Barcodes
- 2D codes including QR codes
- Personalisation
- Versioning
- Gate control for rejects
- Camera based verification

Overprinting personalised content onto pre-printed media using the **K600i** is a highly effective method of applying variable information at high speeds.



Proven Technology

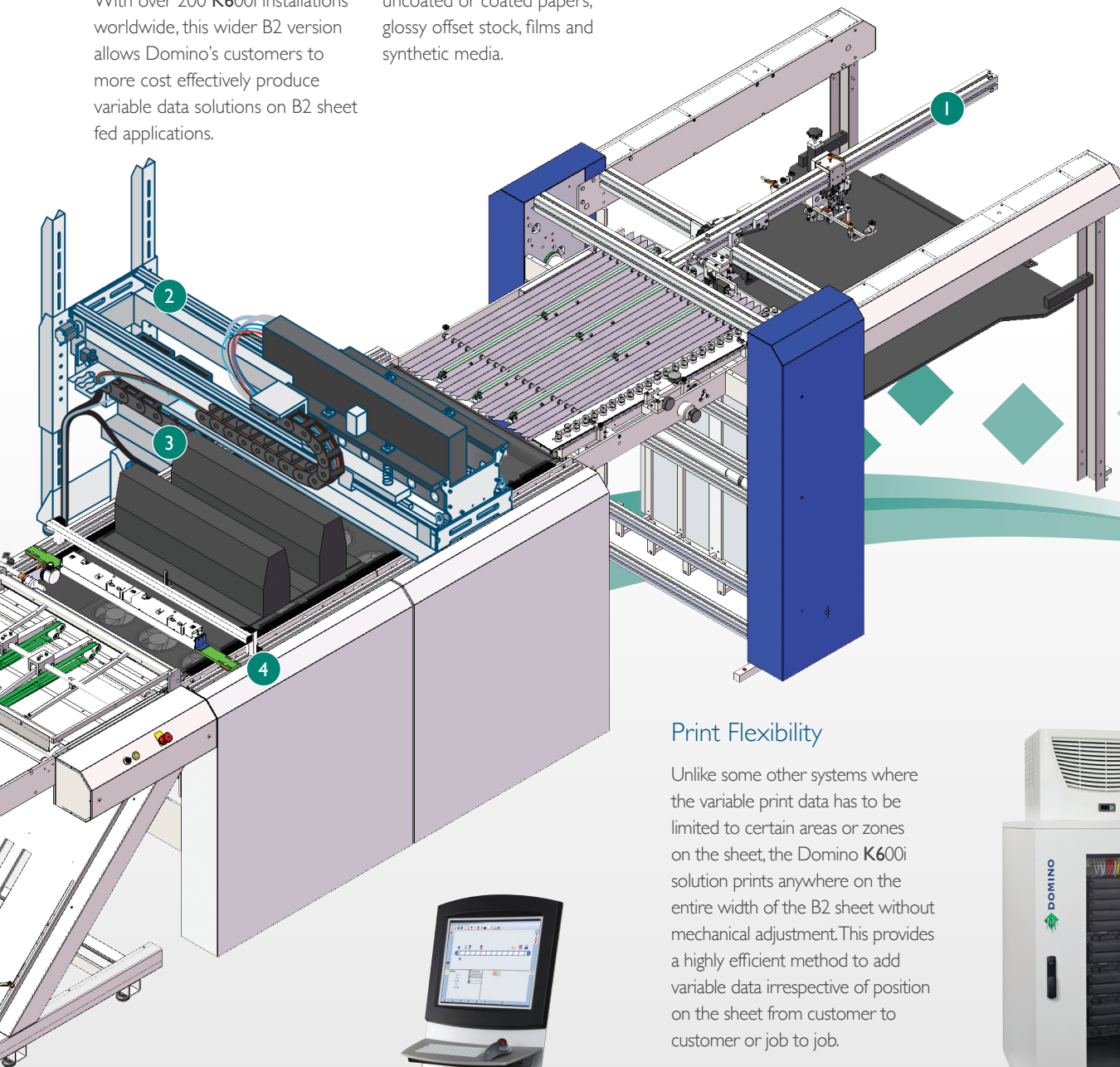
Domino's new K600i application for B2 sheets demonstrates yet another real 'added value' solution. With over 200 K600i installations worldwide, this wider B2 version allows Domino's customers to more cost effectively produce variable data solutions on B2 sheet fed applications.

UV-Curable Ink

A monochrome highly scratch and rub resistant LED UV-curable ink, that prints on virtually any uncoated or coated papers, glossy offset stock, films and synthetic media.

Aqueous Ink

Cost effective highly opaque aqueous pigmented ink solution for porous media types.



Print Flexibility

Unlike some other systems where the variable print data has to be limited to certain areas or zones on the sheet, the Domino K600i solution prints anywhere on the entire width of the B2 sheet without mechanical adjustment. This provides a highly efficient method to add variable data irrespective of position on the sheet from customer to customer or job to job.

Editor™ GT Controller

The Domino Editor™ GT PC based controller is suitable for systems up to 558mm(22") wide. Accepts a number of different data file formats plus has a range of data creation tools such as cut & stack and step & repeat numbering.



Editor™ RIP Controller

For applications with wider print requirements, significant variable data content or where a PDF workflow is preferred, we have the Domino Editor™ RIP. This modular solution can be configured to process the maximum data required. Includes options for PDF files as well as IPDS data streams.



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Technical Specifications

Domino K600i

Maximum line speed

- 37.5 - 150m/min (123-492ft/min)

Printing 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 782mm (30.81")

Nominal media to print head distance

- 1.0mm (0.04")

Media

- Coated and uncoated paper; foil and plastic

Ink supply

- 4l and 10l bottles (ink dependent)

Compressed air

- 6-8 bar clean dry supply

Services
Electrical

- K600i - 110-240v AC50-60Hz 10A (auto ranging)
- UV System - Operation dependent, normally 380-240v three phase drop

Compressed Air

- 6-8 bar clean dry supply

The Gremser SPL70

Sheet width

- 200mm - 750mm (7.87" - 29.5")

Sheet length

- 250mm - 1050mm (9.8" - 41.3")

Material thickness

- 0,08mm - 0,5mm, flexible Material (3.15 - 19.69 thou)

Waviness

- less than 5mm/m (0.19")

Material weight

- 60g/m² - 250g/m²

Working height

- 1250mm (49.2")

Speed

- up to 120m/min (393ft/min)

Pile load

- up to 10,0kN (~1000kg)

Pile height (incl. Pallet)

- 1100mm (43.3")

Palett height

- 145mm-175mm (5.7" - 6.89")

Voltage

- 400V, 50 / 60 Hz, 3Ph, N, PE

Power consumption

- approx. 8kW (Basic Machine)

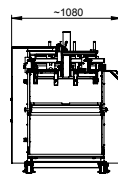
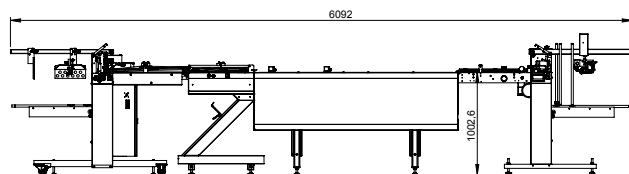
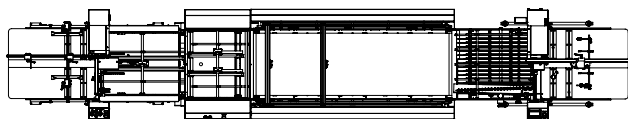
Colour

- RAL7035, light gray, structure, silk luster

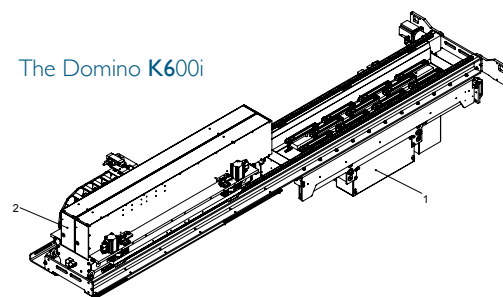
Best working conditions:

- Temperature - 21°C +/- 2°C (70°F +/- 2°F)
- Humidity - 50% +/- 5%

Gremser SPL70



The Domino K600i



The Domino K600i

