

# The VI 20i thermal transfer printer

Saving you time and money



The smart upgrade to digital coding – and the most cost-effective solution for flexible packaging in its class

**Domino. Do more.**

## The affordable way to introduce digital coding to your line

Compared to traditional contact coders such as hot-stamp or roller coders, digital thermal transfer coding offers superior print quality, profitability and lower running costs.

Even against comparable thermal transfer coders our revolutionary new **i-Tech** Ribbon Drive uses up to 60% less ribbon.

Combined with easy installation, versatility and reliable performance, renowned global support from Domino makes **VI20i** the perfect choice for both manufacturers and packaging machinery OEMs.

## A diverse range of applications

Domino's **VI20i** printer is ideal for goods packed using VFFS, HFFS machines and labellers, across wide-ranging food and healthcare applications.



Variable data with no manual set up



Print alpha numeric text and logos over a large area



Simple creation of codes using a variety of character sets



Clear, high resolution codes every time



## Greener credentials

Domino's commitment and investment in sound environmental practices means we frequently exceed the 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. Additionally, our products are RoHS and WEEE compliant so that they are recyclable.

### VI20i

Innovative design has enabled a 50% reduction in weight (compared to previous models), helping to minimise environmental impact. Moreover, by enabling you to use up to 60% less ribbon and no compressed air, the Domino VI20i also helps you to reduce your carbon footprint.

# Going digital means sharp coding and greater profitability

## Versatile

Our 300dpi resolution digital print head can print logos as well as text over a wide area offering greater coding capability. It guarantees a consistent readable code every time, compared to typeface that becomes worn through the high impact of hotstamp.



## Real time

A real time clock allows variable data such as date and time information to be updated automatically between prints with no manual intervention, minimising the risk of costly coding errors.

## Quick

WYSIWYG selection of electronically stored messages ensures quick, error free job changes



# Lowest running costs – thanks to the **i-Tech** Ribbon Drive

## Economical

Domino's **i-Tech** Ribbon Drive offers 4 ribbon save settings including 'Economy Mode' which allows you to use up to 60% less ribbon per print – without affecting print quality. As well as reducing ribbon costs this increases the effective ribbon roll length, significantly reducing costs associated with ribbon changeovers.



## Reliable

Downtime caused by ribbon breaks is virtually eliminated by **i-Tech's** unique Dancing Arms, which constantly maintain ribbon tension. Additionally, the system does not need compressed air, further improving reliability and reducing running costs

# Performance to match your application

## Configurable

Intermittent or Continuous Mode is offered in the same unit, which can quickly convert between Left and Right handing to be ready to fit all applications.

You do not need a dedicated controller – use any PC based interface with the VI20i, including a host packaging machine interface, to meet the needs of your application.



## Ribbons

Full range of Domino approved ribbons that comply with latest legislative and environmental standards.



## Versatile

The VI20i can print from low to high speeds (10-750mm/sec). The integrated print head heater ensures consistent code quality, even at low operating temperatures.

## Easy to use



**QuickStep** is our simplified operator user interface for effortless control and status reporting. No complex menus or parameters, just enter the job and you are ready to print.

Built-in label creation software means you can create code formats on the line. Alternatively, you can design them on a PC and transfer via USB or Ethernet.

Ribbon loading is made easy by the retractable printhead and Dancing Arms, which offer clear access.



## Quick and easy to install

### Compact

The VI20i is compact, allowing it to fit simply into many existing coding spaces. A small power supply, few cable connections and the opportunity to control many printers from one interface makes for a quick and simple installation.

### Smart

**AutoAlign**, our unique (patent applied for) head control technology, simplifies installation by automatically aligning the print head to the optimum position at the touch of a button – without the need for shims or tools. It also controls the print head electronically, eliminating the need for compressed air.



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# A quick tour around the VI20i

## Easy to install and maintain

Sleek industrial design is a noted feature of Domino printers.

Optional handheld **TouchPad** with **QuickStep** interface can be stowed in docking station – alternatively use any PC based interface

Built-in **EasyDesign** label creation software – no extra costs

Continuous and Intermittent Mode functionality in same printer – suitable for all applications

USB and Ethernet connectivity

**i-Tech** Ribbon Drive reduces ribbon use by up to 60%

Proven 'Dancing Arm' technology ensures no ribbon break-related downtime

650m ribbon rolls for long production runs, with effective length of up to 1625m when Economy Mode is used.

Unique ribbon loading system for simple and quick changeovers

Our next generation of primary coders deploy our unique *intelligent technology* system, **i-Tech**. Our aim was to make production lines lower maintenance, lower cost and more efficient. **i-Tech** has helped us to achieve that aim.

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## Technical Specification:

### V120i

#### Printer Specification

|                         |  |
|-------------------------|--|
| Printing Modes          | Intermittent Mode (IM) and Continuous Mode (CM) in the same printer    |
| Left hand / Right hand  | Both options available (convertible with no extra parts in 15 minutes) |
| Print resolution        | 300 dpi  |
| Maximum print area (IM) | 32mm x 55mm  |
| Maximum print area (CM) | 32mm x 500mm   |
| Print speed (max) (IM)  | 400mm/s*   |
| Speed range (CM)        | 10 mm/s - 750 mm/s*  |
| Print repeat rate (max) | 6 prints/s (with a 10mm long print)*                                   |
| Ribbon drive technology | <b>i-Tech</b> Ribbon Drive with unique Dancing Arm tension control     |
| Max ribbon length       | 650m (up to 1625m effective length with Economy mode)                  |
| Standard Ribbon widths  | 34mm, 22mm   |

#### Ribbon save modes\*

|                 |                                     |
|-----------------|-------------------------------------|
| Economy mode    | Variable in 1% increments up to 60% |
| Retraction mode | Less than 1mm gap between prints    |
| Column mode     | Yes                                 |
| Stop mid print  | Yes                                 |

#### Print features

|                          |                      |
|--------------------------|----------------------|
| Date code format         | Yes                  |
| Offsets                  | Yes                  |
| Shift codes              | Yes                  |
| Serial number generation | Yes                  |
| Fonts                    | Most true type fonts |
| Bar codes                | Yes (non-variable)   |
| Logos/bitmaps            | Yes                  |

#### Graphical User Interface

**QuickStep**, full colour interface. Intuitive navigation via large, easy to read buttons and Icons. WYSIWYG print preview. Multi-language support.

#### Controller options

No dedicated controller required.  
 Hardware Interface options:

- Domino **TouchPad** (via hot swappable USB cable)
- Shared **TouchPad** (via Ethernet cable or network)
- PC based interface (via Ethernet cable or network)

#### Connectivity

Ethernet / USB x 2 / mini USB (service)

#### Inputs

Print Go, Encoder

#### Outputs

Error, Ready, Warning, Spare (software configurable volt free contacts)

#### Special features

Master slave, password, fastmode

#### Label creation

Onboard and via **EasyDesign** (included)

#### Electrical requirements

90v - 264v AC 50/60Hz, or 24v DC (+/- 2%) at 5A (if direct)

#### Dimensions

W 218.0mm x H 160.0mm x D 149.5mm

#### Weight

5.6kg

#### TouchPad Specification

Type 5.7 inch, full colour touchscreen (640x480 resolution). Handheld with docking station included.

#### Connectivity

USB, Ethernet, Mini USB (for power / data connection to printer)

#### Dimensions

(W) 173mm x (H) 128mm x (D) 34mm excluding docking station,  
 (W) 181mm x (H) 135mm x (D) 50mm including docking station

#### Weight

0.4kg

#### PSU Specification

#### Dimensions

(W) 67mm x (H) 34mm x (D) 166mm

#### Weight

0.5kg

#### Environmental requirements

Temperature: 5°C to 40°C. Humidity: 20-80%, non condensing

\*Note: Capability is dependent upon application and substrate type, as well as message length.

