



## Thermal Transfer Overprinting

# DataFlex® 6420

The DataFlex® 6420 is a superior thermal transfer coding solution for flexible packaging applications that demand high performance, ultrafast throughput, and coding flexibility.

When uptime and performance are critical and throughput is your goal, the DataFlex® 6420 is the ideal solution. The patented clutchless ribbon drive provides superior uptime by maintaining consistent ribbon tension which virtually eliminates ribbon breaks, while simultaneously ensuring high quality print.

The DataFlex® 6420 is available in two print widths, 53mm and 107mm, to meet your specific application needs. The 53mm format is ideal for a range of flexible packaging applications including ultrafast horizontal form fill seal applications with throughput up to 400ppm. When coding applications require a significant amount of content, such as ingredient lists and traceability information, the 107mm format offers the ideal wide format capability.



### Uptime Advantage

- Clutchless ribbon drive maintains consistent ribbon tension, virtually eliminating ribbon breaks and ribbon related downtime
- Simplest ribbon cassette design on the market, that makes ribbon replenishment fast, ensuring the coder is back on-line and coding with minimum impact to production

### Built-in productivity

- Longer 1200m ribbon length provides more throughput of coded products between ribbon changes
- A wide ranging selection of ribbons, designed specifically to meet the challenges of flexible packaging applications
- Patented bi-directional ribbon drive helps ensure that the absolute minimum ribbon is used during each print cycle, providing more prints per roll of ribbon
- Consistent 0.02" (0.5mm) gap between prints helps ensure highest ribbon efficiency and minimum waste

### Code Assurance

- Advanced coder software virtually eliminates set-up errors
- Simple message selection reduces the potential for operator errors
- Range of customer selectable rules and permissions that help to prevent operator error with the printed code

### Simple usability

- Seamless mechanical integration with a range of OEM equipment
- Comprehensive communications package for host packaging and control
- Easy to use interface with 8.4" icon based colour touch screen
- Intuitive design features make training and operation quick and easy

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## Thermal Transfer Overprinting

### Printhead

53mm or 107mm, 300dpi (12dot/mm)

### Print area

#### 53mm unit

Intermittent printing mode: 2.1" (53mm) wide x 3.0" (75mm) long (RH option),  
2.1" (53mm) wide x 2.7" (68mm) long (LH option)  
Continuous printing mode: 2.1" (53mm) wide x 7.9" (200mm) long

#### 107mm unit

Intermittent printing mode: 4.2" (107mm) wide x 3.0" (75mm) long (RH option),  
4.2" (107mm) wide x 2.7" (68mm) long (LH option)  
Continuous printing mode: 4.2" (107mm) wide x 7.9" (200mm) long

### Minimum print speed

#### 53mm unit & 107mm unit

Intermittent mode: 1.96 in./sec (50mm/sec)  
Continuous mode: 0 in./sec (0mm/sec)

### Maximum print speed

#### 53mm unit

Intermittent mode: 31.5 in./sec (800mm/sec)  
Continuous mode: 39.4 in./sec (1000mm/sec)

#### 107mm unit

Intermittent mode: 27.5 in./sec (700mm/sec)  
Continuous mode: 31.5 in./sec (800mm/sec)

### Printing capabilities

Full downloadable font support using TrueType® fonts (including multiple languages and Unicode support); fixed, variable and merged text fields; flexible date/time formats; flexible shift code formats; auto best before date calculations and concession management; calendar rules; auto incrementing decrementing text, counters and bar codes; multiple graphic formats supported (up to maximum print area); link fields to databases; scalable text and text blocks

### Bar codes

EAN 8, EAN 13, UPC-A, UPC-E, Code 39, EAN 128, Code 128, ITF, RSS (including 2D composite codes); others available upon request

### Operator interface

TFT SVGA 800x600 full-colour LCD and touch screen, WYSIWYG print preview, full on-board diagnostics, 3 levels of password protection, extensive language support

### Ribbon range

Full assortment of wax/resin and resin ribbons

### Maximum ribbon length

Lengths up to 1,200 metres available, dependent on ribbon width and colour

### Ribbon widths

0.8" (20mm) min, 4.3" (110mm) max

### Nominal gap between successive prints

0.02" (0.5mm)

### Ribbon saving features

Radial, interleaved, intermittent stripes

### Image design software

CLARISOFT™

### Network management software

CLARINET™

### Remote coder configuration software

CLARITY™ Configuration Manager  
"Off-line" set up and parameter storage available as standard

### Standard installation options leader/follower configuration

Up to four DataFlex® 6420 printers controlled via a single CLARITY control unit

### Web browser mode

Remote control of the DataFlex® 6420 units from a host packaging machine control box interface

### External communications

RS232, ethernet, USB memory stick and scanner support, Binary and ASCII comms protocols, Windows drivers and ZPL emulations

### External inputs/outputs

3 PNP inputs  
2 relay outputs and 2 PNP +24V outputs

### Air supply

6 Bar, 90psi, uncontaminated

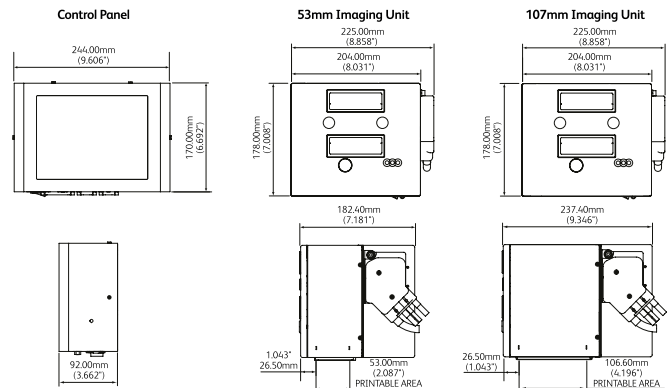
### Power supply

90-264V

### Operating temperature

2-40°C (35-104°F)\*

\* With selected ribbons. Actual installation may require additional hardware based on production environment conditions.



CERTIFIED  
ISO 9001  
DOCUMENTED QUALITY



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