Thermal Transfer Overprinting
DataFlex® 6320

The DataFlex® 6320 is a thermal transfer coding solution for flexible packaging applications requiring high quality variable printing at moderate print speeds.

Designed for high uptime and low cost of ownership, the DataFlex® 6320 is designed to meet a wide range of flexible packaging printing needs. 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® 6320 is available in two print widths, 32mm and 53mm, to provide the best combination of printhead and ribbon width to deliver the most cost effective solution for your application requirements. Engineered for applications such as vertical form fill seal, the DataFlex® 6320 delivers print speeds up to 250ppm and offers a range of ribbon saving modes to reduce your cost per print.

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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Printhead
32mm or 53mm, 300dpi (12dot/mm)

Print area

32mm unit
Intermittent printing mode: 1.3" (32mm) wide x 3.0" (75mm) long (RH option),
1.3" (32mm) wide x 2.7 (68mm) long (LH option)
Continuous printing mode: 1.3" (32mm) wide x 7.9" (200mm) long

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

Minimum print speed

32mm unit & 53mm unit
Intermittent mode: 1.9 in./sec (50mm/sec)
Continuous mode: 0 in./sec (0mm/sec)

Maximum print speed

32mm unit & 53mm unit
Intermittent mode: 29.5 in./sec (750mm/sec)
Continuous mode: 29.5 in./sec (750mm/sec)
Max 250ppm

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, 2.2" (55mm) 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® 6320 printers controlled via a single CLARiTY control unit

Web browser mode
Remote control of the DataFlex® 6320 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
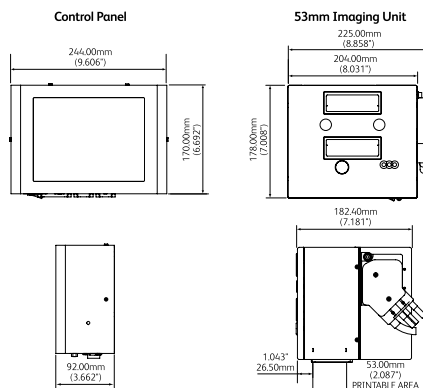
Air supply
6 Bar. 90psi, uncontaminated

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.

Control Panel
244.00mm (9.606")
170.00mm (6.692")
92.00mm (3.662")

53mm Imaging Unit
225.00mm (8.858")
204.00mm (8.031")
178.00mm (7.008")
182.40mm (7.181")
1.043" 26.50mm
53.00mm (2.087") PRINTABLE AREA

CERTIFIED ISO 9001 DOCUMENTED QUALITY

CE

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