

Consistently high print quality –
patented micropurge process

Reduced cost of ownership –
unique ink-recycling circuit

Easy integration – small, single-unit
system with a range of printhead heights

Videojet® 2300 Line

High Resolution Ink Jet Printers



High Resolution Large Character Printing

Consistently high print quality — patented micropurge process

The 180 dpi resolution of the Videojet 2300 line of printers allows for complete generic carton coding at pre-printed quality levels.

- Unique, self-maintaining printhead system guarantees the highest quality bar codes and printed images on every case, even in dusty environments
- Only high resolution ink jet printers that automatically cleans and maintains the printhead with every print via patented micropurging process
- Unique technology builds confidence in print quality, without affecting production speed or throughput

The Videojet® 2300 line of printers combine high resolution printing with a simple user interface, making message selection quick, easy and error-free. The Videojet 2300 systems are designed and manufactured to reliably print accurate, high quality, real time alphanumeric codes, bar codes and graphics with a range of printhead heights to best suit your printing needs.



Videojet® 2300 Line
High Resolution Ink Jet Printers

Reduced cost of ownership — unique ink-recycling circuit



You buy ink jet printing equipment to put ink on your packaging – not on your production line or on the floor. Thanks to a unique ink-recycling system, the Videojet

2300s are the only printers where ink used for automatic printhead maintenance is recycled and used for printing after careful filtration. Every drop of ink you paid for goes where you want it – on your packaging.

- Air-driven ink system eliminates potential downtime from maintenance on pumps, solenoids and other moving parts
- Efficient use of ink and a mechanically simple system mean these printers will always be ready to print the next code without needing human intervention and the associated costs of downtime
- Carton tracking interlock system eliminates risk of dual marking or uncoded product and prevents wasted ink and mess caused by accidental triggering of product photocells
- Advanced date checking algorithms reduce costly operator date coding errors

Easy integration — small, single unit system



All of the Videojet 2300 systems consist of a single, compact unit that takes up minimal space on your production line. That single unit contains an intuitive touch screen control system that makes it easy for

operators to select the right job without the opportunity for errors created by on-line message creation.

- Clusters of Videojet 2300s can be operated from a single master unit
- Individual printers or clusters can be controlled remotely from factory IT systems, PLC input or other remote computers through built-in network (TCP/IP and RS-232) capability
- Powerful off-board image design provides complete flexibility in message editing and programming, including the full list of TrueType® fonts



Print Speed

Barcode printing – 0.3 - 31 m/min. (1.0 to 101 feet/min.)
Alphanumeric text – up to 132 m/min. (433 feet/min.)

Print Distance

0.5 mm to 4.0 mm max. (0.02 - 0.15")

Print Area (per printhead)

2310: 17 mm (H) x 2000 mm (L) (0.7" x 78")
2320: 53 mm (H) x 2000 mm (L) (2.1" x 78")
2330: 72mm (H) x 2000 mm (L) (2.8" x 78")

Printhead

2310: 17 mm (0.7") high 180 dpi
2320: 53 mm (2.1") high 180 dpi
2330: 72 mm (2.8") high 180 dpi

Bar Codes

EAN 8, EAN 13, UPC-A, UPC-E, Code 39, EAN 128, Code 128, ITF, Datamatrix, RSS14, PDF417

Operator Interface

Full-color 5.7" LCD touch-panel CLARiTY® interface
Job selection and database support as standard
WYSIWYG print preview
3 user-levels of password protection
On-board diagnostics

Graphics, Images and Logos

Multiple graphic formats supported using CLARiSOFT®

Printing Capabilities

Claricom CLARiSOFT® Package Coding Design Software
Full downloadable font support for TrueType®
Scalable text including rotation, mirror and inverse printing
Auto real time and date functions
Auto best before date calculation and concession management
Auto incrementing & decrementing text, counters and bar codes
Hour, day of week, day of month, week of year, month of year, year of decade and Arabic date support
Start of day, shift codes, factory, machine, line ID
Field Orientation: 0°, 90°, 180°, 270°

Languages

English, Arabic, Chinese (Mandarin), Danish, Dutch, Finnish, French, Hungarian, Italian, Japanese, German, Greek, Polish, Portuguese, Russian, Spanish, Swedish and Turkish

On-Board Memory

128MB memory, CompactFlash®

Inputs / Outputs

Integral Print Sensor standard
Print go input (24V PNP or volt-free)
Encoder input (24V single / quadrature)
Line select input (up to 16 lines)
Fault output (volt-free)
Warning output (24V PNP)
Spare output (24V PNP)

Supported Field Types

Fixed, variable (user entered), merged, database, counters, date, offsets, time, paragraph (Text Blocks)
Basic shape drawing (circles, rectangles etc.)

External Data Communications

RS232 point-to-point communications
Ethernet 10/100 Base TX network communications
Binary and ASCII comms protocols and Windows drivers
Host PC mode (Remote Database) using CLARiNET®
USB connectivity for job download and software updates

Master/Slave Functionality

Up to (4) printheads in master/slave mode
Group job selection function and group printer control function

Network Control Software

Claricom CLARiNET® network management software
CLARiTY® Configuration Manager
'Off-Line' set up and parameter storage available as standard

Ink/Ink System

Non-toxic, suitable for food packaging
Non-pressurized, screw-in canister

Power Supply

90-264VAC, 47-63 Hz, 140VA (max)

Air Supply

6 Bar, 90psi, dry, uncontaminated

Operating Temperature

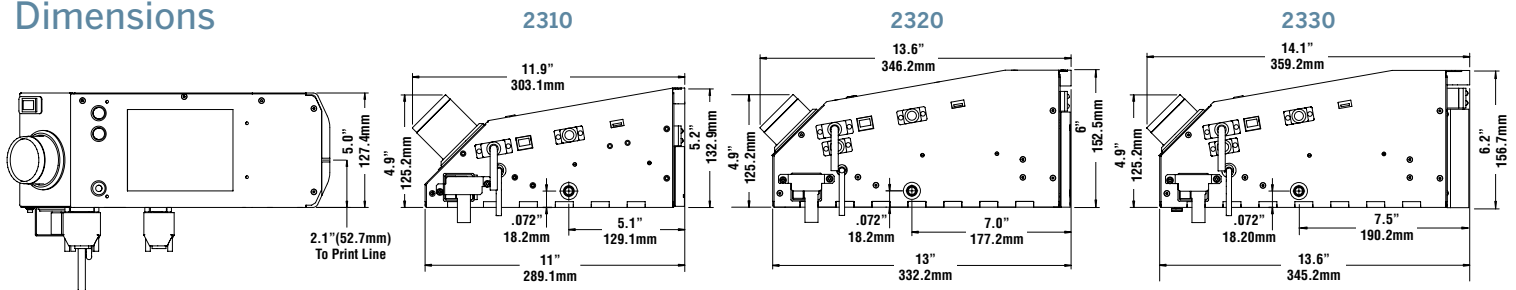
10° - 35° C (50° - 95° F)

Approvals

CE/UL60950:2000 (3rd edition)



Dimensions



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