Technical Specifications

DIMENSIONS AND CONNECTED LOADS	
Display	10,4" TFT-Touchscreen Display 800 x 600 pixel firmly integrated
Housing Material	Stainless Steel
Protection Class	IP 65
Dimensions of Unit (H X W x D)	620 x 320 x 320 mm incl of terminal
Weight	25Kgs
Dimension of Print head (H X W x D)	145 x 40 x 40 mm
Length of print head supply line	3 meter (option of 4 m or 6 m)
Electrical Connection	86 to 264V +/- 10%; 50/60 Hz; 0.5 A at 230V
Operating Temperature	+5 deg C to + 50 deg C (Dep. On ink)
Relative air humidity (Max)	90% non condensing
Compressed air required	No
Number of print heads	1
Interfaces	Internal Ethernet, RS 232, 2 x parallel inputs (product sensor, encoder) Remote-socket or 4-color alarm-beacon,USB
Alarm output	Yes
Switchover of text via IO port	Yes
Ink Circulation / Stirrer	Yes, for Pigmented inks
Print head excess pressure term	Optional
Revolutionary Nozzle anti clogging system	Yes
Print head Clearance	1 – 25 mm
Font Size	0.8 – 20 mm
Number of print lines	Up to 5 Lines of 5x5 matrix
Print resolution	32 dots, better resolution
Tower print	5 x 5 (other sizes available)
90 deg printing	Yes
Distance measurement	Optional
Customer – Specific programs	Yes

NEO
Continuous Inkjet Printer

The Control Print NEO is a Continuous Inkjet Technology based on non contact precision marking system.

Its ability to handle an entire range of high performance inks makes this solution the most versatile coding technology. Suitable for an entire range of variable data coding applications. Possibilities include the application of Dates, Logos, Barcodes, Lot Numbers, Longer Texts, Graphics and Pricing information.

Key features of Neo include:

- Legendary reliability
- Near Zero maintenance
- Rugged IP65 construction
- Simple, intuitive operation on a large touch display
- 32 pixels resolution enabling large logos and 1-5 lines of print
- 0.8mm – 20mm character height
- Native support for all Indian and Foreign languages
- Full range of Single and two dimensional codes
- Compact foot print
- 460 mpm print speed
- Huge ink range including coloured, pigmented and specialty.
- Multiple nozzle size options
- Complete range of accessories and software for easy integration onto production line and factory network.

Reliability

Robust design using the highest quality components

- Only four valves in the entire system; no valves in the printhead
- Dual PTFE based, medical device grade diaphragm pumps, for pressure and suction
- Amplification circuit within printhead eliminates any electromagnetic interference or noise and enables consistently excellent print quality
- Special automated stirring mechanism to prevent settling of highly pigmented inks even when the printer is switched off

Rugged Construction

- Fully stainless steel design
- IP65 protection class (no compressed air is required for IP65 performance)
- Exceptional performance and long life even in the harshest, high humidity, and dustiest environments
- Printhead build quality and strength to maximize impact resistance & prevent and potential damage to printhead
- Visual ink jet monitoring through integrated stroboscopic magnifying glass

Ease of Use

Simple, intuitive operation

- Large, user friendly, 10.4 inch, IP65 solvent resistant industrial touchscreen display
- Interactive, easy to use, WYSIWYG graphical interface
- Selection of local and foreign languages for touchscreen interface
- Automatic error diagnostics for cautions and easy troubleshooting
- User profile manager with multiple levels of access

Low Maintenance

- Built in battery backup option negates the need for a UPS and ensures proper shutdown even in case of power failure
- Optimal start/stop settings for smooth operation
- Flap on printhead and easy access to nozzle enables complete printhead cleaning within2 minutes without any need to remove or reposition printhead from its mounting bracket
- Clean nozzle function built in
- Nozzle shutter feature ensures smooth startup.

Performance

Marriage of modern hardware, software, and robust design for unparalleled capabilities

- Dynamic processing for consistently high print quality under all operating environments
- Throw distance in excess of 50mm from substrate ensures print quality even on highly curved, uneven, and irregular surfaces
- Speeds of up to 460 meters per minute
- Capability to handle high performance inks including heavily pigmented inks
- Massive ink range including coloured, soft pigmented, heavily pigmented opaque, high adhesion, food grade, and specialty inks

Unmatched print capabilities to fulfil all current and potential future requirements

- Freely programmable with native Unicode character support
- All local and foreign languages can be printed directly
- Complete range of fonts including true type fonts & logos
- Barcodes, data matrix codes, automatic date & time functions, numbering, textlist function....
- 0.8mm to 20mm print height
- 32 pixels, 1-5 lines of print

Flexibility

A range of options for comprehensive line integration from standard applications to the most complex solutions

- Compact printer footprint
- Smallest printhead size for line integration even in the tightest spaces
- Remote control through network of all printer functions
- Remote monitoring of printer errors
- Variety of communication interfaces
  - o Ethernet
  - o USB
  - o RS232
  - o network capable through wireless adapter
- Variety of control interfaces
  - o 4 colour signal beacon
  - o remote socket
  - o digital I/O port with 8 inputs and 4 outputs
  - o potential free programmable alarm relay
- Inbuilt software capability for direct communication with camera or datamatrix barcode camera scanner, database access, or other requirements

Print Samples

Print Samples