bestCode®

NExT Series 8
bestCode
continuous innovations

THE CLOSER YOU LOOK
The Better **BestCode** Looks!

CLEAN start | Auto Off | Smart Fill | TruPoint | One Touch | Code faster | SMART filter | Code. Connect | Code protect

NExT Series8

Next Generation Marking and Coding

High speed. Non-contact. Continuous ink jet printing systems.

BestCode Industrial Marking and Coding Systems print best by, lot code, sell by, expiration codes and other identifying marks and codes on industrial and consumer goods to ensure product traceability.

A complete range of small and large character printing systems.

Series 8 systems print high speed, reliable marks and codes on a wide range of substrates, including plastic, glass, paper and more.

81 Designed for basic, entry level applications printing 1 or 2 lines of text, barcodes and graphics. Typical applications mark and code 1 shift per day or less, 3-5 days per week – averaging 2,000 hour annual operation or less.

82 Designed for basic applications printing 1 or 2 lines of text, barcodes and graphics. Typical applications mark and code 1 or 2 shifts per day, 5 days per week – 2,000 to 4,000 hour annual operation.

86 Designed for high speed applications printing 1, 2, or 3 lines of text, barcode and graphics. Typical applications mark and code 1 or 2 shifts per day, 5 days per week – 3,000 to 5,000 hour annual operation, with high speed production line speeds.

87 Designed for high speed applications printing 1, 2, 3, 4 or 5 lines of text, barcode and graphics. Typical applications mark and code 1 or 2 shifts per day, 5 days per week – 3,000 to 5,000 hour annual operation, with high speed production line speeds.

88 Designed for high speed / high use applications, printing 1, 2, 3, 4 or 5 lines of text, barcode and graphics. Typical applications mark and code 2-3 shifts per day, 5-7 days per week – 6,000 to 9,000 hour annual operation, with higher speed production line speeds.

88S Specialized Solution systems are a complete range of printing systems designed for unique applications and industries. These include the 88S Food Grade, 88S High Speed, 88S High Speed One, 88S Opaque and 88S Micro.

Simplified, Extended Operation, Lower Cost of Ownership

Series 8 systems are simplified to allow anyone to operate, minimizing operator touches, extending time between human interaction. Routine operator functions are made less often.

Clearer and simpler to operate.

A large 10.4" Color Touch Display is always on, offering a vivid display with large intuitive buttons and status indicators. OneTouch™ single step operator functions are in use to reduce operator steps. A true WYSIWYG environment provides the most realistic view of creating your print message.

AutoOff™ Go Home Button.

At the end of the day – press the AutoOff™ Go Home Button automating and eliminating time consuming end of day manual routines by automatically cleaning the printhead and powering the system off.

No waste. Bottles drain completely so you can print every drop.

External fill fluid addition allows On-The-Fly Ink and Makeup Filling without opening enclosure.

Print anything.
Mark and code everything.

True Non-Contact Printing.

Series 8 systems provide a true non-contact print operation. The ink is thrown from the printhead a minimum ink throw distance of .5" (12 mm) up to a maximum ink throw distance of 2" (50 mm) distances. Print marks and codes as small as .025" (.6 mm) – print on the edge of a toothpick or paperclip, and as large as .75" (19 mm) – print on the side of corrugated cases and other large character applications.
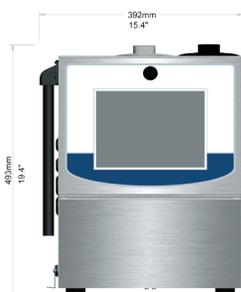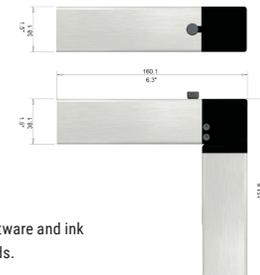
NExTSeries8 Specifications

	81	82	86	87	88 / 88S
Technology	Continuous Ink Jet (CIJ) Technology, Single Printhead Control				
User Interface	10.4" (264 mm) Color LCD, Touch Screen, Icon based - Graphical User Interface (GUI)				
Printing	Printhead Orientation - Omnidirectional				
Lines of Print	1-2 Lines, 16 pixel	1-2 Lines, 16 pixel	1-3 Lines, 25 pixel	1-5 Lines, 32 pixel	1-5 Lines, 32 pixel
Print Fonts	5, 7, 9, 12, 16	5, 7, 9, 12, 16	5, 7, 9, 12, 16, 19, 25	5, 7, 9, 12, 16, 19, 25, 32	5, 7, 9, 12, 16, 19, 25, 32
Adjustable Print Height	.10" (2 mm) - .75" (19 mm)	.06" (1.5 mm) - .75" (19 mm)	.06" (1.5 mm) - .75" (19 mm)	.06" (1.5 mm) - .75" (19 mm)	.06" (1.5 mm) - .75" (19 mm)
Print Speed	Up to 600 Feet/Minute (190 M/minute)	Up to 600 Feet/Minute (190 M/minute)	Up to 1300 Feet/Minute (397 M/minute)	Up to 1300 Feet/Minute (397 M/minute)	Up to 2000 Feet/Minute (600 M/minute)
Ink Throw Distance	.5" (12 mm) - 2" (50 mm)	.5" (12 mm) - 2" (50 mm)	.5" (12 mm) - 2" (50 mm)	.5" (12 mm) - 2" (50 mm)	.5" (12 mm) - 2" (50 mm)
Machine Interface	–	RS232	RS232	RS232	RS232, Ethernet
Inputs	1 Photocell, 1 Shaft Encoder	1 Photocell, 1 Photocell or Programmable Input, 1 Shaft Encoder, 8 Field Programmable Inputs (256 message select)			
Outputs	4 Alarm Outputs	4 Alarms Outputs, 1 Relay Output			
Enclosure	IP65 Stainless Steel Enclosure 304				IP65 Stainless Steel Enclosure 304, 316 option
SmartFilter™ Life	2,000 hours	2,000 hours	5,000 hours	5,000 hours	10,000 hours
Operating Environment	Temperature: 32° - 122° F (0° - 50° C), % Relative Humidity: 10 - 90% (non condensing)				
Electrical Requirements	Auto Ranging: 100 - 240 VAC (3 Amp), Frequency: 50 - 60 Hz, Power Consumption: 50 W				
Compliance	CE Certified, RoHS Compliant				
Messages / Operation Features	100 Messages	Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag/Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Graphic Printing, Continuous and Repeat Print, Auto Reverse/Traverse Print, Icon Based Operation, Single Button Start, Single Button Stop/Power Off, Password Security, Automatic Diagnostics, Error and Activity Logs, Service Reminders			
Operation Features	Icon Based Operation, Single Button Start, Single Button Stop/Power Off, Password Security, Automatic Diagnostics, Error and Activity Logs, Service Reminders, Backup / Restore Functions, USB Load Firmware Updates, All Operator Languages, Download Languages				
Ink Delivery	SmartFill™ Ink Bottle: 32 oz (946 ml), SmartFill™ Makeup Bottle: 32 oz (946 ml)				
Fluid Capacity	Ink Capacity: 68 oz (2 liter), Makeup Capacity: 102 oz (3 liters)				
Ink Types	Immediate FastDry™ Black	Quick Dry to Immediate, Complete Ink Range: MEK, Acetone, Ethanol, Blends and Food Grade in a broad range of colors			
Printhead Umbilical	10 Feet (3 Meter)	10 Feet (3 Meter) — Options: 15 feet (4.5 Meter), Right Angle Printhead			
Optional Accessories	Controller, Printhead Mounting, Alarm Beacon, Photocells, Shaft Encoder, AirFlow™ Positive Air Kit (for high dust), Printhead Wash Station				

Series 8 Specialized Solution Systems — Model 88S Options *See specific Series 8 Model datasheet for more details.

Model 88S Food Grade	Print direct to food products with FDA and USDA compliant inks.
Model 88S Micro	Print high resolution, micro sized characters at high print speeds — mark and code at .025" (.6 mm) — .4" (10 mm) image heights
Model 88S High Speed	Print at speeds above 50,000 bottles per hour or over 1700 feet/minute (500 M/minute).
Model 88S High Speed One	Print at speeds above 55,000 bottles per hour or over 2000 feet/minute (600 M/minute)
Model 88S Opaque	Operate Heavy Pigment Inks for dark colored substrates.
Model 88S Opaque High Speed	Print dark colored substrates (wire and cable) at print at speeds above 1700 feet/minute (500 M/minute).

392mm 15.4"
318mm 12.5"
493mm 19.4"
227.7 9"
38.1 1.5"
38.1 1.5"
38.1 1.5"
38.1 1.5"
160.1 6.3"
151.8 6"

Weight: 45 lbs (20 kg)

By request, BestCode can adapt hardware, software and ink to meet specific application demands.

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