



best Code





Model 88S Security System Print Invisible, UV Light Readable. Product Security and Counterfeit Avoidance.

The Model 88S Security is targeted at product traceability, security, counterfeit avoidance and brand protection applications. Ensure the product in question is truly your product.

Print real-time One-Dimensional (1D) and Two-Dimensional (2D) barcodes— Datamatrix, QR Code and other custom dot codes on demand. Barcodes can be encrypted with company and product specific serialization information.

Invisible ink prints clear and invisible—can only be seen when fluoresced with UV light. The codes and marks light up a bright blue color. Printing is permanent to a wide range of substrates—drying immediately on met glass, plastic and more.

Invisible codes survive high temperatures and remain invisible when exposed to high temperatures, steam processes such as that used for pasteurizations or sterilization processes.

Typical applications mark and code one, two or 3 shifts per day or 24/7 operations, five to seven days per week, averaging 4,000 – 8,760 hour annual operation. Utilize integrated RS232 and programmable inputs\outputs for remote control and communications.

Systems are simplified to allow anyone to operate, minimizing operator touches, extending time between human interaction.

best Code continuous innovations

PRINT CAPABILITIES

SECURITY PRINTING—Print with Invisible, UV Read ink and other Security Ink options.

LINES OF PRINT-1, 2, 3, 4 or 5 lines of text, graphics and barcodes.

IMAGE HEIGHT—from .06" (1.5 mm) to .75" (19 mm).

NON-CONTACT PRINTING—ink throw distances from .5" (12 mm) up to 2" (50 mm).

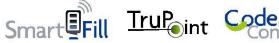
PRINT SPEEDS—up to 1500 feet/ minute (470 meters/minute) for a single line of print, up to 345 feet/minute (108 meters/minute) for two lines of print, up to 173 feet/minute (54 meters/minute) for three lines of print, up to 119 feet/ minute (36 meters/minute) for four lines of print and up to 114 feet/minute (35 meters/minute) for five lines of print.

- CleanStart automatically cleans printhead eliminating daily and weekly cleanings.
- 10.4" Color Touch Screen—always on, vivid display with large intuitive buttons and status indicators.
- OneTouch [™] —single step operator functions reduce operator steps.
- Large Volume Ink Tanks—extend time between fluid additions to weeks or months.
- On-the-Fly External Ink Filling—accomplished in less than a minute with no waste.
- AutoOff [™] Go Home Button—automate and eliminate time consuming end of day manual routines.

THE CLOSER YOU LOOK

THE BETTER BESTCODE LOOKS!











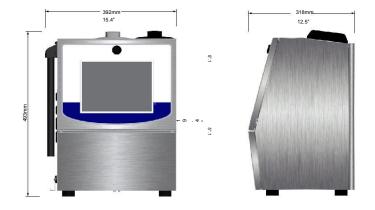






Model 88S Specifications

Lines of Print 1 - 5 Lines, 25 Pixel 3 Print Fonts 5, 7, 9, 12, 16, 19, 25, 32 Adjustable Print Height 0,6° (1,5 mm) - 50° (12 mm) Optional Print Height 10° (2 mm) - 75° (19 mm) Print Speed 1 Line: 1500 feet/minutes (470 meters/minute), 2 Line: 345 feet/minutes (108 meters/minute), 3 Line: 173 feet/minutes (64 meters/minute), 4 Line: 119 feet/minutes (36 meters/minute), 5 Line: 114 feet/minutes (35 meters/minute) Ink Throw Distance True Non-Contact Printing, 5° (12 mm) - 2° (50 mm) Ink Throw Distance 32 Bit ARM 9, 208 Mbz Processor Memory Storage 4 GByte Solid State Drive, 15 MByte Flash, 128 Mbyte RAM, USB Interface (thumb drive) Machine Interface RS232, Ethemet Inputs 1 Photocell, 1 Photocell or Programmable Input, 1 Shaft Encoder, 8 Field programmable inputs, Remote Message Selection option - 256 possible selections 4 Alarm Outputs, 1 Relay Output 4 Alarm Outputs, 1 Relay Output 5 Interface (10,000 hours) District Message Selection option - 256 possible selections 1 Protection IP65 SmartFiller* Life Diporation 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 Message / Code Creation Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Baster Counting, Remote Count Resk Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print Icon Based Operation, Single Button Star, Single Button Stor, / Power Off, Password Scurity, Automatic Diagnostics, Error and Activity Logs, Service Reminders, Backup / Restore Functions, USB Load Firmware Updates, All Operator Languages, Download Languages Ink Delivery SmartFill* Mis Bottle: 32 oz (946 ml), SmartFill* Makeup Bottle: 32 o	Technology	Continuous Ink Jet (CIJ) Technology, Single Printhead Control
Print Fonts 5, 7, 9, 12, 16, 19, 25, 32 Adjustable Print Height .06' (1.5 mm)50' (1.2 mm) Deptional Print Height .10' (2 mm)75' (1.9 mm) Print Speed .1 Line: 1500 feet/minutes (470 meters/minute), 2 Line: 345 feet/minutes (108 meters/minute), 3 Line: 173 feet/minutes (54 meters/minute), 4 Line: 119 feet/minutes (36 meters/minute), 5 Line: 114 feet/minutes (35 meters/minute), 6 Line: 114 feet/minutes (35 meters/minute), 6 Line: 114 feet/minutes (35 meters/minute), 6 Line: 114 feet/minutes (35 meters/minute), 7 Line: 114 feet/minutes (35 meters/minute), 8 Line: 114 feet/minutes (35 meters/minute), 8 Line: 114 feet/minutes (35 meters/minute), 8 Line: 114 feet/minutes (35 meters/minute), 9 Line: 114 feet/minutes (35 meters/minutes), 9 Line: 114 feet/minutes, 9 Line:	User Interface	10.4" (264 mm) Color LCD, Touch Screen, Icon based – Graphical User Interface (GUI)
Adjustable Print Height	Lines of Print	1 - 5 Lines, 25 Pixel
Deptional Print Height 1.10" (2 mm)75" (19 mm) 1 line: 1500 feet/minutes (470 meters/minute), 2 Line: 345 feet/minutes (108 meters/minute), 3 Line: 173 feet/minutes (56 meters/minute), 4 Line: 119 feet/minutes (36 meters/minute), 5 Line: 114 feet/minutes (35 meters/minute) 1 minutes (35 meters/minutes) 1 minutes (35 meters) 1 minutes (35 meters) 1 minutes (35 meters/minutes) 1 minutes (35 meters) 1 minutes (35 meters) 1	Print Fonts	5, 7, 9, 12, 16, 19, 25, 32
Print Speed 1 Line: 1500 feet/minutes (470 meters/minute), 2 Line: 345 feet/minutes (108 meters/minute), 3 Line: 173 feet/minutes (64 meters/minute), 4 Line: 119 feet/minutes (36 meters/minute), 5 Line: 114 feet/minutes (35 meters/minute) 7 rue Non-Contact Printing, 5° (12 mm) - 2° (50 mm) 8 lectronic Hardware 32 Bit ARM 9, 208 Mhz Processor 8 Memory Storage 4 GByte Solid State Drive, 15 MByte Flash, 128 Mbyte RAM, USB Interface (thumb drive) 8 Machine Interface 8 RS232, Ethernet 1 Photocoll, 1 Photocoll or Programmable Input, 1 Shaft Encoder, 8 Field programmable inputs, 8 Remote Message Selection option – 256 possible selections 2 Jain Marm Outputs, 1 Relay Output 5 Stainless Steel Enclosure 8 Ingress Protection 1 P65 8 SmartFiller** Life 10,000 hours 2 Journamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Aluto Reverse / Traverse Print Doperation Features Operation Features Operation Features Operation Features Operation Single Button Stat, Single Button Star, Single Butt	Adjustable Print Height	.06" (1.5 mm)50" (12 mm)
(54 meters/minute), 4 Line: 119 feet/minutes (36 meters/minute), 5 Line: 114 feet/minutes (35 meters/minute) Ink Throw Distance True Non-Contact Printing, .5" (12 mm) - 2" (50 mm) Electronic Hardware 32 Bit ARM 9, 208 Mhz Processor Memory Storage 4 GByte Solid State Drive, 15 MByte Flash, 128 Mbyte RAM, USB Interface (thumb drive) Machine Interface RS232, Ethernet Inputs 1 Photocell, 1 Photocell or Programmable Input, 1 Shaft Encoder, 8 Field programmable inputs, Remote Message Selection option − 256 possible selections Outputs 4 Alarm Outputs, 1 Relay Output Enclosure Stainless Steel Enclosure Ingress Protection IP65 SmartFiller™ Life 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 Message / Code Creation Dynamic Message grover 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print Operation Features Loon 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) Ink Capacity Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Opt	Optional Print Height	.10" (2 mm)75" (19 mm)
Electronic Hardware 32 Bit ARM 9, 208 Mhz Processor Memory Storage 4 GByte Solid State Drive, 15 MByte Flash, 128 Mbyte RAM, USB Interface (thumb drive) Machine Interface R5232, Ethernet Inputs 1 Photocell, 1 Photocell or Programmable Input, 1 Shaft Encoder, 8 Field programmable inputs, Remote Message Selection option − 256 possible selections Dutputs 4 Alarm Outputs, 1 Relay Output Enclosure Stainless Steel Enclosure Ingress Protection IP65 SmartFilter™ Life 10,000 hours Departing 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 Message / Code Creation Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print Departion Features Icon Based Operation, Single Button Star, 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) Ink Capacity Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters) Ink Olors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Weight 45 lbs (20 kg)	Print Speed	
Memory Storage 4 GByte Solid State Drive, 15 MByte Flash, 128 Mbyte RAM, USB Interface (thumb drive) Machine Interface RS232, Ethernet 1 Photocell, 1 Photocell or Programmable Input, 1 Shaft Encoder, 8 Field programmable inputs, Remote Message Selection option − 256 possible selections Outputs 4 Alarm Outputs, 1 Relay Output Enclosure Stainless Steel Enclosure Stainless Steel Enclosure 1P65 SmartFilter™ Life 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 Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print Operation Features Long 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 mll), SmartFill™ Makeup Bottle: 32 oz (946 mll) Filtuid Capacity Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional	Ink Throw Distance	True Non-Contact Printing, .5" (12 mm) - 2" (50 mm)
Machine Interface RS232, Ethernet Inputs 1 Photocell, 1 Photocell or Programmable Input, 1 Shaft Encoder, 8 Field programmable inputs, Remote Message Selection option – 256 possible selections 4 Alarm Outputs, 1 Relay Output 5 Enclosure Stainless Steel Enclosure Ingress Protection IP65 SmartFilter™ Life 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 Message / Code Creation Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Autorese / Traverse Print 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 SmrtFill™ Ink Bottle: 32 oz (946 ml), SmartFill™ Makeup Bottle: 32 oz (946 ml) Fluid Capacity Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Types Quick Dry to Immediate (1 second or less) Ink Types Quick Dry to Immediate (1 second or less) Ink Types Themo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Otions Right Angle Printhead Printhead Options Printhead Orientation – Omnidirectional	Electronic Hardware	32 Bit ARM 9, 208 Mhz Processor
Inputs 1 Photocell, 1 Photocell or Programmable Input, 1 Shaft Encoder, 8 Field programmable inputs, Remote Message Selection option – 256 possible selections Outputs 4 Alarm Outputs, 1 Relay Output Enclosure Stainless Steel Enclosure Ingress Protection IP65 SmartFilter™ Life 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 Message / Code Creation Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print 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) Filid Capacity Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Themo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Memory Storage	4 GByte Solid State Drive, 15 MByte Flash, 128 Mbyte RAM, USB Interface (thumb drive)
Dutputs 4 Alarm Outputs, 1 Relay Output Enclosure Stainless Steel Enclosure Ingress Protection IP65 SmartFilter™ Life 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 Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print Operation Features Loon 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 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Options Right Angle Printhead Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Machine Interface	RS232, Ethernet
Enclosure Stainless Steel Enclosure Ingress Protection IP65 SmartFilter™ Life 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 Message / Code Creation Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print Operation Features Icon Based Operation, Single Button Story / 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 liters), Makeup Capacity: 102 oz (3 liters) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Inputs	
Ingress Protection IP65 SmartFilter™ Life 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 Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print 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) Filuid Capacity Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Outputs	4 Alarm Outputs, 1 Relay Output
SmartFilter™ Life 10,000 hours Departing Environment Temperature: 32°- 122° F (0°- 50°C), % Relative Humidity: 10 - 90% (non-condensing) Auto Ranging: 100 - 240 VAC (3 Amp), Frequency 50 - 60 Hz, Power Consumption: 50 W Compliance CE Certified, RoHS Compliant Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print 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 liters), Makeup Capacity: 102 oz (3 liters) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Enclosure	Stainless Steel Enclosure
Temperature: 32°- 122° F (0°- 50°C), % Relative Humidity: 10 - 90% (non-condensing) Auto Ranging: 100 - 240 VAC (3 Amp), Frequency 50 - 60 Hz, Power Consumption: 50 W Compliance CE Certified, RoHS Compliant Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print 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 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Ingress Protection	IP65
Electrical Requirements Auto Ranging: 100 - 240 VAC (3 Amp), Frequency 50 - 60 Hz, Power Consumption: 50 W Compliance CE Certified, RoHS Compliant Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print Operation Features Loon 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 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Right Angle Printhead Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	SmartFilter™ Life	10,000 hours
Compliance CE Certified, RoHS Compliant Dynamic Message Storage (over 1000 Messages), WYSIWYG Message Editing, Dray / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print 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 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Operating Environment	Temperature: 32°- 122° F (0°- 50°C), % Relative Humidity: 10 - 90% (non-condensing)
Dynamic Message (over 1000 Messages), WYSIWYG Message Editing, Drag / Drop Field Based Formatting, Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print 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 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Electrical Requirements	Auto Ranging: 100 - 240 VAC (3 Amp), Frequency 50 - 60 Hz, Power Consumption: 50 W
Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and Integrated Graphic Editor, Continuous and Repeat Print, Auto Reverse / Traverse Print Departion 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) Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Right Angle Printhead Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Compliance	CE Certified, RoHS Compliant
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 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Message / Code Creation	Multi-National (Unicode) Character Printing, Download Fonts, Integrated Font Editor, Real and Expiration Time and Date, Shift and Rollover Functions, Product and Batch Counting, Remote Count Resets, Download Graphics and
Fluid Capacity Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters) Ink Types Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Operation Features	Automatic Diagnostics, Error and Activity Logs, Service Reminders, Backup / Restore Functions,
Quick Dry to Immediate (1 second or less) Ink Colors Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Ink Delivery	SmartFill™ Ink Bottle: 32 oz (946 ml), SmartFill™ Makeup Bottle: 32 oz (946 ml)
Invisible, UV Read with UV Light - lights up Bright Blue Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Fluid Capacity	Ink Capacity: 68 oz (2 liters), Makeup Capacity: 102 oz (3 liters)
Specialist Inks Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Ink Types	Quick Dry to Immediate (1 second or less)
Printhead Umbilical 10 feet (3 meters), 15 feet (4.5 meters) option Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Ink Colors	Invisible, UV Read with UV Light - lights up Bright Blue
Printhead Options Right Angle Printhead Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Specialist Inks	Thermo Color Change, Wet Bottle, Caustic Washable, Plastic, Eco-Friendly, Alcohol Resistant, Military Spec, Wet Bottle
Printing Printhead Orientation – Omnidirectional Weight 45 lbs (20 kg)	Printhead Umbilical	10 feet (3 meters), 15 feet (4.5 meters) option
Weight 45 lbs (20 kg)	Printhead Options	Right Angle Printhead
	Printing	Printhead Orientation – Omnidirectional
Optional Accessories Alarm Beacon, Photocells, Mountings, Shaft Encoder, AirFlow™ Positive Air Kit (for high dust), Printhead Wash Station	Weight	45 lbs (20 kg)
	Optional Accessories	Alarm Beacon, Photocells, Mountings, Shaft Encoder, AirFlow™ Positive Air Kit (for high dust), Printhead Wash Station





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



