

bestCode
continuous innovations

Model 81 System Mark and Code Anything

Print real-time “Best By,” “Lot Code,” “Sell by,” “Expiration Codes” and other identifying marks and codes to any substrate.

The Model 81 is targeted at basic, entry level applications, printing 1 or 2 lines of text, barcodes or graphics.

Typical applications mark and code one shift per day, five days per week, averaging 2,000 hour annual operation.



PRINT CAPABILITIES

LINES OF PRINT—1 or 2 lines of text, graphics and barcodes.

IMAGE HEIGHT—from .10" (2 mm) to .50" (12 mm).

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

PRINT SPEEDS—up to 600 feet/minutes (190 meters/minute) for single line of print and up to 250 feet/minutes (80 meters/minute) for two lines of print.

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

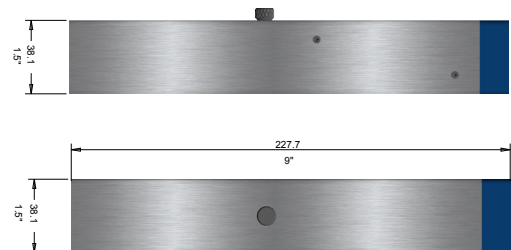
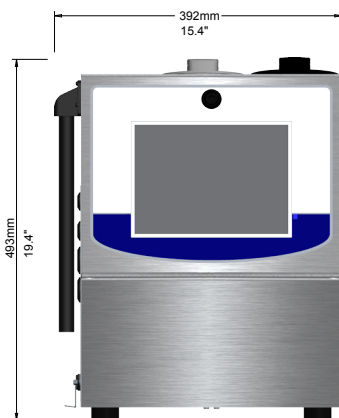
- **CleanStart™**—automatically cleans printhead eliminating daily and weekly cleanings.
- **10.4" Color Touch Screen**—always on, vivid display with large intuitive buttons and status indicators.
- **OneTouch™**—single step operator functions reduce operator steps.
- **Large Volume Ink Tanks**—extend 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 81 Specifications

Printhead	Continuous Ink Jet (CIJ) Technology, Single Printhead Control
User Interface	10.4" (264 mm) Color LCD, Touch Screen, Icon based – Graphical User Interface (GUI)
Lines of Print	1 - 2 Lines, 16 pixel
Print Fonts	5, 7, 9, 12, 16
Electronic Hardware	32 Bit ARM 9, 208 Mhz Processor
Storage	4 GByte Solid State Drive, 16 MByte Flash, 128 MByte RAM, USB Interface (thumb drive)
Inputs	1 Photocell, 1 Shaft Encoder
Outputs	4 Programmable Alarms (open collector, 150 mA sink)
Enclosure	Stainless Steel Enclosure
Ingress Protection	IP55
Filter Life	2,000 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 - 60Hz, Power Consumption: 50 W
Compliance	CE Certified, RoHS Compliant
Message / Code Creation	Dynamic Message Storage (100 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, Download Graphics and Integrated Editor, Continuous and Repeat Print Capability, Barcode, Cable Stripping
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, Downloadable Software Updates, Multiple Operator Languages, Download Language Translations
Ink Delivery	SmartFill™ Ink Bottle: 32 oz (946 ml), SmartFill™ Solvent Bottle: 32 oz (946 ml)
Fluid Capacity	Ink Capacity: 68 oz (2 liters), Solvent Capacity: 102 oz (3 liters)
Ink Types	Quick Dry to Immediate — MEK
Ink Colors	Black
Printhead Umbilical	10 feet (3 meters)
Printing	Printhead Orientation – Omnidirectional
Image Height	Adjustable: .025" (.6 mm) - .5" (12 mm)
Throw Distance	Non-contact printing ¼" (6 mm) – 1" (25 mm) throw distance
Print Speed Capability	600 ft/minute (190 meters/minute)
Weight	45 lbs (20 kg)
Optional Accessories	Alarm Beacon, Photocells, Mountings, Shaft Encoder, Positive Air Kit (for high dust), Printhead Wash Station



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

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