

Benchtop Printer Comparison Guide

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Use the following comparison guide to quickly see which benchtop printer best fits your application needs. Then turn to the printer section to find out more about the printer, compatible materials and ribbons.

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**BBP®11
Label Printer**
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**BBP®33
Sign & Label Printer**
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**Brady IP™
Printer**
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**BBP®81
Label Printer**
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Printer Specifications

Description	Small, compact, economical entry level printer with high speed print and 300 dpi resolution.	PC-connect only printer with no calibration set-up, no material waste and 20-second supply changeovers. Revolutionary ease of use makes it ideal for training multiple users and saving wasted time and wasted material cost.	High-performance printing with smart cell supplies allowing printer, materials, and ribbon to communicate making set-up and changeovers significantly faster, easier and less wasteful.	High-performance printer but with traditional loading, set up and calibration steps.
Applications & Other Comments	Lower volume applications requiring a small desktop footprint. Ideal for Laboratory ID, General ID, Wire and Cable ID, Lower volume electronics ID.	Low and mid-volume applications when frequent material change-overs are needed. The best solution for inexperienced users wanting easy training and multi-user scenarios. Full ranges of materials for cable and wire ID, facility & safety ID, Product ID & circuit board ID.	Mid-volume applications when frequent material change-overs are needed, and for inexperienced users wanting easy training. Ideal for asset ID, cable and wire ID, circuit board ID, bar coding.	Mid-volume ZPL-required applications
Typical Throughput & Operational Hours	1000 labels/day 8 hrs/5 days	3000 labels/day 8 hrs/5 days	5000 labels/day 12 hrs/5 days	5000 labels / day 12 hrs / 5 days
Print Technology & Color Capabilities	Thermal Transfer and Direct Thermal; Monochrome	Thermal Transfer; Monochrome	Thermal Transfer and Direct Thermal; Monocolor	Thermal Transfer and Direct Thermal; Monocolor
Print Resolution	300 dpi	300 dpi	300 or 600 dpi	300 dpi
Max Print Width	4.160"	4.000"	4.160"	4.090"
Media Widths	1"-4.250"	0.500" to 4.250"	1"-4.160"	1"-4.500"
Minimum Label Dim.	0.250"	0.250"	0.163" **	0.500"
Auto Cut-off	-	Yes	Optional	Optional
PC Connect or Stand Alone Operation	PC Connect only	PC Connect only	PC Connect only	PC Connect only
Ribbon & Material Installation	Labels: Loose roll, attach to cartridge & drops in Ribbon: Loose roll, "thread-thru" required	Labels: Supplied in cartridge, drops into place, 15 sec changeover Ribbon: Supplied in cartridge, snaps into place, 5 sec changeover	Labels: Loose roll, attach to cartridge & drops in Ribbon: Loose roll, "thread-thru" required	Labels: Loose roll, "thread-thru" required Ribbon: Loose roll, "thread-thru" required
Calibration Required	Yes	No (no wasted material)	Yes	Yes
Label Creation & Set-up	Automatic (PC software reads data on chip and automatically sets up label size, color, fonts, etc.)	Automatic (PC software reads data on chip and automatically sets up label size, color, fonts, etc.)	Semi-automatic (select label part from software and label sets up)	Semi-automatic (select label part from software and label sets up)
Connectivity Options	Standard: Serial, Parallel, USB, Ethernet	Standard: USB, Ethernet Optional: WiFi, Bluetooth	Standard: Serial, Parallel, USB, Ethernet 10/100	Standard: Serial, Parallel, USB Optional: Ethernet 10/100
Compatible PC Software	Labelmark™ Software, Codesoft™ Software, Windows® based driver for 3rd party software use*	Labelmark™ Software, MarkWare™ Software, Codesoft™ Software, Windows® based driver for 3rd party software use*	Labelmark™ Software, Codesoft™ Software, Windows® based driver for 3rd party software use*	Labelmark™ Software, Codesoft™ Software, Windows® based driver for 3rd party software use*

Specialty Material Recommendations

B-593 Raised Panel Material	Not Recommended	Yes (Recommended)	Acceptable (with special printer settings)	Not Recommended
Nomex® Tags	Not Recommended	N/A	Not Recommended	Not Recommended
B-330 Polyolefin Heat Shrink Wrap	Not Recommended	N/A	Not Recommended	Not Recommended
PermaSleeve® PS & HT	Yes (black print only)	Yes (Recommended)	Yes (black print only)	Not Recommended
PermaSleeve® ZH	Not Recommended	N/A	Not Recommended	Not Recommended
PermaSleeve® HX	Yes (black print only)	Yes (Recommended)	Not Recommended	Not Recommended
Double-Sided PermaSleeve®	Yes (With 2-pass reinsert of media, black print only)	Yes (With 2-pass reinsert of media)	Not (Recommended)	Not Recommended
Outdoor Safety & Facility Labels	No	Yes (multiple materials)	No	Not Recommended
White Print Ribbon	Not Recommended	Yes (Recommended)	Yes (with gapped & continuous only)	Not Recommended

* Test 3rd party software integration for intended application prior to purchase.

** Performance dependent on label text and size of print run.

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