Tough on the outside.
Smart on the inside.

BMP®21-PLUS Label Printer
Tough on the outside. Smart on the inside.

Make your life a little easier. Let the BMP®21-PLUS Label Printer work for you. This printer’s tough enough and smart enough to help you power through your daily challenges — and still get the job done. Plus, it can tackle just about any custom labeling job you can dream up.

• **Tough** — this printer isn’t bothered by occasional rough landings in your toolbox or on the job. With rubber bumpers and handy side grips, it’s sturdy enough to handle applications in tight spaces or the great outdoors.

• **Smart** — auto-formatting does the design work for your labels so you can focus on enhancing them with more than 100 symbols. Create professional-looking labels for datacom, electrical, safety and home.

• **User friendly** — just load, type and print to make your wire wrap, patch panel and cable flag labeling jobs a snap. For convenience, this printer has a hands-free label grabber that holds your label until you’re ready to apply.

The complete BMP21-PLUS Label Printer solution

- BMP21-PLUS Printer  
  Page 3
- Label cartridges  
  Pages 4
- Printer and accessories  
  Page 7
- Printer specifications  
  Page 7
Accepts drop-in cartridges with label widths up to 0.75 inch

Compatible with continuous labels in 10 materials

Provides a backlit LCD display

Holds on to label after cutting

Auto-formats labels for common applications

100+ symbols and font size up to 40 points

Sports an ergonomic, center-balanced design

Passes military standard shock and vibration testing
Indoor and outdoor vinyl labels for safety, facility and lean / 5S (B-595)

Continuous vinyl material ideal for lean / 5S labels, pipe markers, equipment and production area identification. These labels offer excellent resistance to oils, detergents, dirt, grime and many solvents. Permanent adhesive, very pliable, suitable for rough surfaces and outdoor use. 8-10 years average outdoor durability.* Temp. range: -40° F to 180° F (-40° C to 82° C). UL recognized.

Patch panel adhesive strips (B-499 and B-595)

Continuous material for port identification features user-specified spacing when using patch panel mode.

- **B-499 permanent nylon cloth** - Durable industrial strength material designed to conform to curved or flat surfaces.
- **B-595 permanent vinyl** - Very pliable, suitable for rough surfaces and outdoor use. Offers excellent resistance to oils, detergents, dirt, grime and many solvents.

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<table>
<thead>
<tr>
<th>Figure</th>
<th>Catalog #</th>
<th>B#</th>
<th>Material</th>
<th>Color</th>
<th>Label width A inch (mm)</th>
<th>Roll length B feet (m)</th>
<th>Labels per roll</th>
<th>Ribbon in cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 33b</td>
<td>M21-250-595-WT</td>
<td>B-595</td>
<td>Vinyl</td>
<td>Black on white</td>
<td>0.250 (6.35)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6000</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-250-595-WT</td>
<td>B-595</td>
<td>Vinyl</td>
<td>Black on white</td>
<td>0.375 (9.53)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6000</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-750-595-WT</td>
<td>B-595</td>
<td>Vinyl</td>
<td>Black on white</td>
<td>0.500 (12.70)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6000</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-250-595-YL</td>
<td>B-595</td>
<td>Vinyl</td>
<td>Black on yellow</td>
<td>0.250 (6.35)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6000</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-375-595-YN</td>
<td>B-595</td>
<td>Vinyl</td>
<td>Black on yellow</td>
<td>0.375 (9.53)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6000</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-500-595-YL</td>
<td>B-595</td>
<td>Vinyl</td>
<td>Black on yellow</td>
<td>0.500 (12.70)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6000</td>
</tr>
</tbody>
</table>

*Average expected outdoor life of product will depend on user definition of failure, climatic conditions, mounting techniques and material color. The 8 to 10 year outdoor durability applies to the vinyl label stock only; ribbon durability will vary.
Terminal block adhesive strips (B-499)
Continuous, narrow nylon cloth strips for alignment on terminal blocks. The printer's terminal block mode allows for user-specified spacing.

<table>
<thead>
<tr>
<th>Figure</th>
<th>Catalog #</th>
<th>B#</th>
<th>Material</th>
<th>Color</th>
<th>Label width A (inch (mm))</th>
<th>Roll length B (feet (m))</th>
<th>Labels per roll</th>
<th>Ribbon in cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 33b</td>
<td>M21-375-499-TB</td>
<td>B-499</td>
<td>Nylon cloth</td>
<td>Black on white</td>
<td>0.375 (9.53)</td>
<td>16 (4.88)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-500-499-TB</td>
<td>B-499</td>
<td>Nylon cloth</td>
<td>Black on white</td>
<td>0.500 (12.70)</td>
<td>16 (4.88)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
</tbody>
</table>

Nylon cloth wire and cable labels (B-499)
Continuous labels wrap around wires and are highly pliable, conforming to tightly curved surfaces. When in wire marker mode, text auto-repeats on the label. Labels can also be used for flagging with the flag mode.

<table>
<thead>
<tr>
<th>Figure</th>
<th>Catalog #</th>
<th>B#</th>
<th>Material</th>
<th>Color</th>
<th>Label width A (inch (mm))</th>
<th>Roll length B (feet (m))</th>
<th>Labels per roll</th>
<th>Ribbon in cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 33b</td>
<td>M21-375-499</td>
<td>B-499</td>
<td>Nylon cloth</td>
<td>Black on white</td>
<td>0.375 (9.53)</td>
<td>16 (4.88)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-500-499</td>
<td>B-499</td>
<td>Nylon cloth</td>
<td>Black on white</td>
<td>0.500 (12.70)</td>
<td>16 (4.88)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
</tbody>
</table>

Self-laminating vinyl wire and cable labels (B-427)
Labels feature a clear, non-printable area that wraps around the print-on area to protect text. Vinyl material offers superior resistance to solvents, oil, grease, dirt and water. Temp. range: -40° F to 158° F (-40° C to 70° C). UL recognized.

<table>
<thead>
<tr>
<th>Figure</th>
<th>Catalog #</th>
<th>B#</th>
<th>Material</th>
<th>Color</th>
<th>Label width A (inch (mm))</th>
<th>Roll length B (feet (m))</th>
<th>Print-on area C (inch (mm))</th>
<th>Labels per roll</th>
<th>Ribbon in cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 42b</td>
<td>M21-750-427</td>
<td>B-427</td>
<td>Vinyl</td>
<td>Black on white</td>
<td>0.750 (19.05)</td>
<td>16 (4.88)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
<td></td>
</tr>
<tr>
<td>Fig. 42b</td>
<td>M21-1000-427</td>
<td>B-427</td>
<td>Vinyl</td>
<td>Black on white</td>
<td>1.50 (38.10)</td>
<td>16 (4.88)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
<td></td>
</tr>
</tbody>
</table>

PermaSleeve® PS Heat-shrink Wire Markers (B-342)
Military / industrial grade sleeves offer the ultimate in marker durability, permanence and aesthetic appearance. 3:1 heat-shrinkable markers fit snugly around wires, are fade-resistant and flame-retardant. Temp range: -67° F to 275° F (-55° C to 135° C). RoHS compliant and UL recognized.

<table>
<thead>
<tr>
<th>Figure</th>
<th>Catalog #</th>
<th>B#</th>
<th>Material</th>
<th>Color</th>
<th>Approx. wire gauge</th>
<th>Max wire dia (inch (mm))</th>
<th>Supplied dia. A (inch (mm))</th>
<th>Roll length B (feet (m))</th>
<th>Labels per roll</th>
<th>Ribbon in cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 33b</td>
<td>** M21-125-C-342</td>
<td>B-342</td>
<td>Polyolefin</td>
<td>Black on white</td>
<td>22 to 16</td>
<td>0.046 - 0.110 (1.2 - 2.8)</td>
<td>0.125 (3.2)</td>
<td>7 (2.13)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>** M21-187-C-342</td>
<td>B-342</td>
<td>Polyolefin</td>
<td>Black on white</td>
<td>20 to 10</td>
<td>0.062 - 0.150 (1.6 - 3.8)</td>
<td>0.187 (4.8)</td>
<td>7 (2.13)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>** M21-250-C-342</td>
<td>B-342</td>
<td>Polyolefin</td>
<td>Black on white</td>
<td>16 to 8</td>
<td>0.094 - 0.215 (2.4 - 5.5)</td>
<td>0.250 (6.9)</td>
<td>7 (2.13)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
</tbody>
</table>

** WARNING: Cancer www.P65Warnings.ca.gov
Polyester labels for inside panel markings and general identification (B-423, B-430 and B-488)

- **B-423 polyester** - white glossy polyester with permanent adhesive
- **B-430 polyester** - clear glossy polyester with permanent adhesive
- **B-488 polyester** - solvent-resistant, white matte polyester with permanent adhesive

<table>
<thead>
<tr>
<th>Figure</th>
<th>Catalog #</th>
<th>Bl#</th>
<th>Material</th>
<th>Color</th>
<th>Label width A (inch) (mm)</th>
<th>Roll length B (feet) (m)</th>
<th>Labels per roll</th>
<th>Ribbon in cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>B-423</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.250 (6.35)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6200</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-250-423</td>
<td>B-423</td>
<td>Polyester</td>
<td>Black on clear</td>
<td>0.250 (6.35)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6200</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-375-423</td>
<td>B-423</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.375 (9.53)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6200</td>
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<tr>
<td>Fig. 33b</td>
<td>M21-500-423</td>
<td>B-423</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.500 (12.70)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
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<tr>
<td>Fig. 33b</td>
<td>M21-750-423</td>
<td>B-423</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.750 (19.05)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B-430</td>
<td>Polyester</td>
<td>Black on clear</td>
<td>0.250 (6.35)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6200</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-250-430</td>
<td>B-430</td>
<td>Polyester</td>
<td>Black on clear</td>
<td>0.375 (9.53)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6200</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-500-430</td>
<td>B-430</td>
<td>Polyester</td>
<td>Black on clear</td>
<td>0.500 (12.70)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R6200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B-488</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.375 (9.53)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-250-488</td>
<td>B-488</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.375 (9.53)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-500-488</td>
<td>B-488</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.500 (12.70)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-750-488</td>
<td>B-488</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.750 (19.05)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
</tbody>
</table>

Laboratory labels (B-461 and B-7425)

- **B-461 polyester** - all-white material with smudge resistance, solvent resistance and is suitable for low-temperature applications
- **B-7425 polypropylene** - economical white material with chemical and high-temperature resistance

<table>
<thead>
<tr>
<th>Figure</th>
<th>Catalog #</th>
<th>Bl#</th>
<th>Material</th>
<th>Color</th>
<th>Label width A (inch) (mm)</th>
<th>Roll length B (feet) (m)</th>
<th>Labels per roll</th>
<th>Ribbon in cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>B-461</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.375 (9.53)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
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<tr>
<td>Fig. 33b</td>
<td>M21-375-461</td>
<td>B-461</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.500 (12.70)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-750-461</td>
<td>B-461</td>
<td>Polyester</td>
<td>Black on white</td>
<td>0.750 (19.05)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
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<tr>
<td></td>
<td></td>
<td>B-7425</td>
<td>Polypropylene</td>
<td>Black on white</td>
<td>0.375 (9.53)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-375-7425</td>
<td>B-7425</td>
<td>Polypropylene</td>
<td>Black on white</td>
<td>0.500 (12.70)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
<tr>
<td>Fig. 33b</td>
<td>M21-750-7425</td>
<td>B-7425</td>
<td>Polypropylene</td>
<td>Black on white</td>
<td>0.750 (19.05)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
<td>R4300</td>
</tr>
</tbody>
</table>

Water-dissolvable paper labels (B-403)

Continuous paper material designed for temporary identification. Material completely dissolves in warm water within 30 seconds, leaving no adhesive residue.

<table>
<thead>
<tr>
<th>Figure</th>
<th>Catalog #</th>
<th>Bl#</th>
<th>Material</th>
<th>Color</th>
<th>Label width A (inch) (mm)</th>
<th>Roll length B (feet) (m)</th>
<th>Labels per roll</th>
<th>Ribbon in cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 33b</td>
<td>M21-750-403</td>
<td>B-403</td>
<td>Dissolvable paper</td>
<td>Black on white</td>
<td>0.750 (19.05)</td>
<td>21 (6.40)</td>
<td>1 roll (cont.)</td>
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</tr>
</tbody>
</table>
**Printer and accessories**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMP21-PLUS</td>
<td>BMP21-PLUS Label Printer*</td>
</tr>
<tr>
<td>BMP21-PLUS-KIT1</td>
<td>BMP21-PLUS Label Printer Kit**</td>
</tr>
<tr>
<td>M-AC-110937</td>
<td>AC adapter / charger</td>
</tr>
<tr>
<td>BMP21-PLUS-BATT</td>
<td>Li-Ion battery pack</td>
</tr>
</tbody>
</table>

* Printer includes: one M21-750-499 label cartridge, quick start guide and 2-year warranty. (batteries not included).
** Printer kit includes: AC adapter / battery charger, hard case, Li-Ion battery, one M21-750-499 label cartridge, quick start guide and 2-year warranty.

US Patent Nos. 6,932,996; 8,846,171.

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**Printer specifications**

**Printer**
- **Printer name**: BMP21-PLUS Label Printer
- **Print resolution**: Thermal transfer, 203 dpi
- **Max lines of print**: 4
- **Print speed**: 0.4 in / sec (10 mm / sec)
- **Keyboard type**: ABC or Cyrillic
- **Dimensions**: 9.5 in. x 2.5 in. x 4.5 in. (236.22 x 63.5 x 114.3 mm)
- **Weight**: 1.66 lbs (0.75 kg) with AA batteries and media roll
- **Warranty**: 2 years
- **Operating temp**: 40° to 110° F (4° to 43° C)
- **Humidity**: 10% to 90% (non-condensing)
- **Storage temp**: 0° to 110° F (-18° to 43° C)
- **Continuous or die-cut labels**: Continuous labels only
- **Portability**: Yes

**Features**
- **Memory**: 16MB, 10 labels (2MB available for storage)
- **User profiles**: No
- **Cutter type**: Straight cut, single hand manual actuate
- **Cut options**: Cut between labels or at end of print job
- **Label retention after cut**: Yes
- **Labels per day (average)**: 100
- **Battery life indicator**: Yes
- **Label odometer / supply remaining**: No
- **Drop test**: Transit drop per MIL-STD-810G 5.16.6 S4.6.5
- **Drop tested**: 6 ft. drop
- **Languages**: English, Dutch, German, Italian, French, Spanish, Portuguese, Russian (separate keyboard version)

**Units**
- **Units**: Inches or millimeters

**Power**
- **Power supply**: 6 AA batteries, AC adapters: US 110V, UK 240V, Europe 220V, or Li-ION rechargeable battery
- **Battery included**: No
- **Battery life**: Li-ION battery: output of 2,000 2 in. (50.8 mm) labels
- **Rechargeable battery**: Lithium Ion 11.7Wh (DC 7.2V 1620 mAH)
- **Charging options**: External via AC
- **Re-charge time (estimated)**: 2.5 hours
- **Power source voltage**: 110-240
- **Auto shut off**: 10 minutes

**Print functions**
- **Included modes**: Wire / cable wrap, cable flag, terminal block, patch panel, circuit breaker, banner landscape and banner portrait
- **Serialization**: Yes
- **Barcoding**: 39 and 128

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**Print functions (continued)**

- **Date / time stamp** (real time clock): Yes
- **Fixed length**: Yes
- **Mirror print**: No
- **Vertical print**: Yes
- **Reverse print**: No
- **Rotate print**: No
- **Auto format**: Yes
- **Test justification**: Horizontal and vertical: centered
- **Multi-copy printing**: Up to 99 copies
- **Multi-line print**: Yes
- **Frame feature**: No
- **Save files**: Yes

**Display**
- **LCD type / size**: LCD, 2 in. x 1 in. (50.8 mm x 25.4 mm)
- **Connectivity**: Not applicable
- **PC connectivity**: No
- **Import data**: No
- **Import manufacturer templates / graphics**: No
- **Software compatibility**: Not applicable

**Media**
- **Type**: Cartridge with media and ribbon-combined

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BradyCanada.ca

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Customer Service: 1-800-262-7777
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BradyLatinAmerica.com

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