

# MB241 Series

## Industrial Label Printer

### Rugged Space-Saver for Heavy Duty, Diverse Printing

The MB241 boasts a bifold media door, cutting operational space requirements by 24%. Its all-metal print mechanism guarantees durability in high-volume printing. The MB241 Series handles special media types like harder and thicker hangtags and is available with a wide range of optional accessories to support diverse applications. These accessories include linerless kits, peel-off kit, internal rewinder kit, and cutter, all designed to enhance functionality and meet dynamic business demands.

### Key Features

#### Optimized Space Efficiency

- The bifold door reduces space usage by 24%, streamlining media, ribbon replacement, and cleaning for efficient operations in limited space.

#### High-Quality Printing Assurance

- A robust all-metal print mechanism on a metal frame guarantees printing stability and printer longevity.
- Equipped with features to adjust the multi-point thermal printhead (TPH) pressure and heat line, it ensures consistent, high-quality printing.

#### Fits Diverse Applications Requirements

- Options like linerless kits, cutter, internal rewinder kit, and peel-off kit enhance printer versatility.
- Connectivity options: MFi Bluetooth 5.0, Wi-Fi Bluetooth combo, and Bluetooth 5.0.

#### TSC Sense Care Smart Monitoring

- TSC Sense Care prevents downtime by monitoring printhead health with self-diagnostic TPH Care, printhead mileage, and cutter counts.
- Collected data can integrate with SOTI Connect and TSC Console for remote management and reporting.

#### Software Capabilities Harmonize Operations

- Auto-switch printer language emulation simplifies printer fleet migration and upgrades.
- TSC Standalone Creator for quick templates on the printer LCD, or mobile printing with TSCPRTGo.
- SOTI Connect and TSC Console manage printer fleet deployment and updates remotely.

#### Commitment to Sustainability

- 100% recyclable packaging reduces environmental waste.
- 100% recyclable printer casing with over 90% recyclable printer components.

### Applications

#### Manufacturing

- Work In Process
- Product Marking
- Compliance Labeling
- Industrial-Duty Printing

#### Transportation and Logistics

- Packing
- Order Fulfillment
- Shipping/Receiving
- Inventory Management

#### Retail

- Food and Beverage Packaging
- Product Label
- Weighing Scale

#### Healthcare

- Specimen Labeling
- Asset or Inventory Label



# MB241 Series Specifications

MODEL	MB241T	MB341T
Resolution	8 dots/mm(203 dpi)	12 dots/mm(300 dpi)
Printing Method	Thermal Transfer & Direct Thermal	
Max. Print Speed	304.8mm(12")/ second	228.6mm(9")/ second
Max. Print Width	107mm(4.21")	105.7mm(4.16")
Max. Print Length	25,400mm(1000")	11,430mm(450")
Enclosure	Die-cast based print mechanism/Metal cover with large clear media window	
Physical Dimension	248mm (W) x 274mm (H) x 436mm (D) 9.76" (W) x 10.79" (H) x 17.17" (D)	
Weight	9.1kg(20.06lbs)	
Label Roll Capacity	203.2mm(8") O.D., 1" - 3" I.D. core	
Ribbon	450m with 1" ribbon core I.D., ink coated outside or inside	
Ribbon Width	40mm - 110mm(1.6" - 4.3")	
Processor	32-bit RISC CPU	
Memory	<ul style="list-style-type: none"> <li>256 MB Flash memory</li> <li>256 MB SDRAM</li> </ul>	
Interface	<ul style="list-style-type: none"> <li>RS-232</li> <li>USB 2.0</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>USB host, for scanner or PC keyboard</li> <li>GPIO (dealer option)</li> </ul>	<ul style="list-style-type: none"> <li>Internal Bluetooth (dealer option)</li> <li>Internal Bluetooth 5.0 MFI (factory option)</li> <li>Slot-in Wi-Fi 802.11 a/b/g/n/ac with Bluetooth 5.0 combo module (dealer option)</li> </ul>
Power	<ul style="list-style-type: none"> <li>Internal universal switching power supply</li> <li>Input: AC 100 - 240V, 2.0A, 50 - 60Hz</li> <li>Output: DC 24V, 3.75A, 90W</li> </ul>	
LED/LCD	<ul style="list-style-type: none"> <li>2.3" color LCD</li> <li>1 LED (with 2 LEDs: green, red)</li> </ul>	<ul style="list-style-type: none"> <li>3.5" color touch LCD</li> <li>1 LED (with 2 LEDs: green, red)</li> </ul>
Operation Switch, Button	<ul style="list-style-type: none"> <li>1 power switch</li> <li>6 buttons (Menu, Pause/Feed, Up, Down, Left, Right)</li> </ul>	
Sensors	<ul style="list-style-type: none"> <li>Gap transmissive sensor (position adjustable)</li> <li>Black mark reflective sensor (position adjustable)</li> </ul>	<ul style="list-style-type: none"> <li>Ribbon encoder sensor</li> <li>Ribbon end sensor</li> <li>Head open sensor</li> </ul>
Real Time Clock	Standard	
Internal Fonts	<ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> </ul>	
Barcode	<ul style="list-style-type: none"> <li>1D barcode Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, RSS-Stacked, GS1 DataBar, Code 11, China Post</li> <li>2D barcode PDF-417, Micro PDF 417, Maxicode, DataMatrix, QR code, Aztec, TLC 39, RSS</li> </ul>	
Font & Barcode Rotation	0, 90, 180, 270 degree	
Printer Language	TSPL-EZD (EPL, ZPL, ZPL II, DPL)	
Media Type	Continuous, die-cut, black mark, fan-fold, notched (outside wound)	
Media Width	20mm - 120mm (0.8" - 4.7")	
Media Thickness	0.06mm - 0.28mm (2.36mil - 11mil)	
Media Core Diameter	25.4mm - 76.2mm (1" - 3")	
Label Length	5mm - 25,400mm (0.2" - 1000")	5mm - 11,430mm (0.2" - 450")
Environment Condition	<ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>	
Safety Regulation	CB, FCC Class A, CE Class A, UKCA, RCM Class A, cTUVus, TÜV, IC Class A, NOM, VCCI, CCC, BIS, KC, BSMI, EAC, ENERGY STAR®	
Environmental Concern	Comply with RoHS, WEEE	
Accessories	<ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> </ul>	
Limited Warranty	<ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Print head: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>	
Factory Option	Internal Bluetooth 5.0 MFI	
Dealer Option	<ul style="list-style-type: none"> <li>Peel-off kit</li> <li>Regular guillotine cutter (full cut)</li> <li>5" O.D. internal rewinder kit</li> <li>GPIO</li> <li>Linerless tear-off kit</li> </ul>	<ul style="list-style-type: none"> <li>Linerless cutter kit</li> <li>Slot-in Wi-Fi 802.11 a/b/g/n/ac with Bluetooth 5.0 combo upgrade kit</li> <li>Internal Bluetooth 5.0 module**</li> </ul>
User Option	<ul style="list-style-type: none"> <li>Slot-in Wi-Fi 802.11 a/b/g/n/ac with Bluetooth 5.0 combo module (for device with slot-in housing)</li> <li>KP-200 Plus keyboard display unit</li> <li>Universal cutter tray</li> </ul>	

\* Either GPIO or Wireless interface is available.

\*\* Choose between a Wi-Fi with Bluetooth combo or an internal Bluetooth interface option.



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