

NIIMBOT M2_H Smart Industrial Label Printer

2 Inch Thermal Transfer Smart Label Printer

Product Overview

The NIIMBOT M2_H is a heavy-duty, smart thermal transfer industrial label printer engineered for rugged commercial and enterprise tagging. Utilizing standalone ink ribbon technology, it produces crisp, long-lasting prints ideal for cable identification, asset management, and laboratory labelling where durability against environmental hazards is non-negotiable.



Technical Specifications

Specification	Details
Product Name	NIIMBOT M2_H Smart Label Printer
Print Technology	Thermal Transfer Printing (Independent ribbon cartridge)
Print Resolution	300 DPI (High-definition text, barcodes, and QR codes)
Print Speed	30 mm/s to 60 mm/s
Label Width Support	20 mm to 50 mm printable media width
Effective Print Width	Max 48 mm
Supported Materials	PP Synthetic Paper, PET, PVC, Gap Paper, Transparent Paper, Black Mark
Battery Capacity	2000 mAh Rechargeable Lithium Battery
Charging Profile	USB Type-C Fast Charging 5V DC, 2A (3-4 hours full charge)
Connectivity	Bluetooth (Supports multi-device pairing) & USB Type-C for PC link
Physical Profile	Dimensions: 178 x 108 x 74 mm Weight: 764 g
Housing Material	Industrial ABS + PC heavy-duty blend

Environmental & Material Durability

- **Extended Text Legibility:** Printed layouts are rated to stay clear and pristine for 8 to 10 years.
- **Industrial Shielding:** Formulated to resist complete water immersion, severe oil smudging, alcohol exposure, and surface abrasion.
- **Temperature Thresholds:** Operates seamlessly in standard 0°C to 40°C environments, while the synthetic label variants survive freezing storage and direct outdoor weathering.

Smart Features & Integration

- **RFID Media Sync:** Employs an integrated automatic RFID chip reader inside the chamber to immediately identify standard or custom label rolls and match dimensional app canvas layouts.
- **Enterprise Batch Serialization:** Supports heavy multi-row Excel or CSV spreadsheet loading via NIIMBOT Desktop or Mobile apps to compile serialized label sets dynamically.
- **One-Touch Correction:** Features an interactive multi-functional primary power key to trigger direct canvas alignment calibration or call a quick physical reprint action.

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