

B1040 Series: Compact Variable Data TIJ Printer



The B1040 Series represents the next generation in compact variable data printing technology, offering two powerful models designed for high-speed production environments. Engineered by Rynan Technologies and distributed by Packtronic, these printers deliver exceptional performance in a remarkably compact footprint, making them ideal for manufacturers requiring reliable, high-quality coding and marking solutions.

B1040 PRO

The PRO model features HP TJ1 2.5 printing technology with maximum 600 DPI resolution, achieving print speeds up to 76m/min at 300 DPI. With a maximum printable height of 12.7mm, this model excels in applications requiring higher resolution and faster throughput.

- Compact dimensions: 120.6 x 86.1 x 90.5mm
- Lightweight design at 644.7g
- 3.5" LCD screen for easy operation
- 5mm throw distance for versatile placement

B1040 MAX

The MAX model utilizes 1-Inch TJ1 technology with maximum 300 DPI resolution and print speeds up to 40m/min. Its standout feature is the maximum printable height of 25.4mm—double that of the PRO model—making it perfect for larger format coding requirements.

- Compact dimensions: 120.6 x 86.1 x 95mm
- Robust build at 650.5g
- 3.5" LCD screen interface
- 5mm throw distance capability

Universal Power Supply

AC 100V~240V, 50/60Hz, DC 24V
2.5A for global compatibility

Built-In Sensor

Integrated detection for seamless
production line integration

Multi-Language Support

12 print languages and 9 system
languages for international
operations

Advanced Features & Capabilities

Both B1040 models deliver comprehensive printing capabilities designed to meet the demanding requirements of modern manufacturing and packaging operations. From variable data printing to advanced barcode generation, these printers offer the flexibility and reliability that production environments demand.



Versatile Print Types

Support for text, counters, box/lot numbers, datetime stamps, expiry dates, Julian dates, shiftcodes, images, and database integration. Both models handle Windows true fonts for maximum flexibility in design and branding requirements.



Complete Barcode Support

Full 1D and 2D barcode capabilities including Code 1, Code 39, Code 128, EAN, QR codes, Datamatrix, and GS1 Datamatrix. Essential for traceability and compliance in regulated industries.



Database Integration

Compatible with TXT and CSV file formats for seamless data integration. Template length up to 1.5m allows for complex, multi-element print layouts with free design capabilities.

Precision Engineering Dimensions

B1040 PRO Specifications

Front dimensions: 120.6mm (W) x 86.1mm (H) x 90.5mm (D)

Side profile: 111.5mm (W) x 104.0mm (H) x 90.5mm (D)

B1040 MAX Specifications

Front dimensions: 120.6mm (W) x 86.1mm (H) x 95mm (D)

Side profile: 111.5mm (W) x 104.0mm (H) x 95mm (D)