# Industrial printers built for you, and built to last

TJ-4005DN / TJ-4020TN / TJ-4120TN / TJ-4021TN / TJ-4121TN datasheet
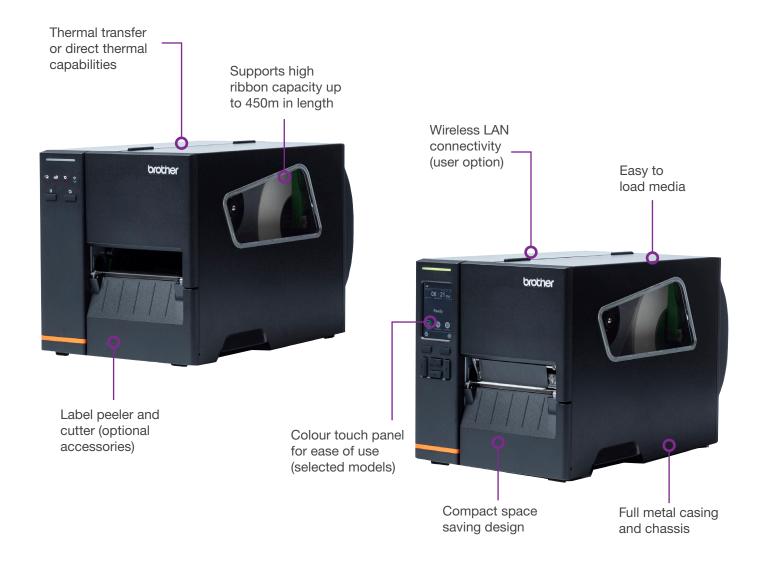
# Performance and durability you can rely on

The versatile TJ Series industrial label printer uses high capacity thermal transfer ink ribbons for durable labelling and ultimate productivity.

**Key Features:**
- Various printer command languages supported, including ZPL2 emulation
- High capacity 450m ribbon to minimize downtime
- Full metal casing and chasis to withstand tough production environments
- Fast print speeds up to 10ips (254 mm/sec)
- LED indicators and touch panel displays available for a first-class user experience
- Connectivity, as standard: USB, USB Host, Serial and Ethernet. Wireless is optional

Thermal transfer or direct thermal capabilities

Supports high ribbon capacity up to 450m in length

Wireless LAN connectivity (user option)

Easy to load media

Label peeler and cutter (optional accessories)

Colour touch panel for ease of use (selected models)

Compact space saving design

Full metal casing and chassis

## General

| | |
|---|---|
| **In the box** | AC adaptor power cord<br>USB cable<br>Documentation<br>1" ribbon paper core^ |
| **Language support** | Dansk, Deutsch, English, Español, Français, Italian, Nederlands, Norsk, Português, Suomi, Svenska |

## Dimensions and weights

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|---|---|
| **Printer dimensions (mm)** | **TJ-4005DN \| TJ-4020TN \| TJ-4120TN:**<br>248(w) x 436(d) x 274(h) \| 9.2kg<br><br>**TJ-4021TN \| TJ-4121TN:**<br>248(w) x 436(d) x 274(h) \| 9.4kg |

## Built in features

| | |
|---|---|
| **Printing method** | Direct Thermal / Thermal Transfer^ |
| **Print resolution** | **TJ-4005DN \| TJ-4020TN \| TJ-4021TN:** 203dpi<br>**TJ-4120TN \| TJ-4121TN:** 300dpi |
| **Maximum print speed** | **TJ-4005DN:** 152mm/sec<br>**TJ-4020TN \| TJ-4021TN:** 254mm/sec<br>**TJ-4120TN \| TJ-4121TN:** 178mm/sec |
| **Maximum print width** | **TJ-4005DN \| TJ-4020TN \| TJ-4021TN:** 107mm<br>**TJ-4120TN \| TJ-4121TN:** 105.7mm |
| **Minimum print length** | Continuous: 5mm<br>Tear mode: 50 mm<br>Peeler mode: 25.4mm<br>Cutter mode: 25.4mm |
| **Maximum print length** | **TJ-4005DN \| TJ-4020TN \| TJ-4021TN:** 25400mm<br>**TJ-4120TN \| TJ-4121TN:** 11430mm |

## Media

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|---|---|
| **Minimum media width** | 20mm |
| **Minimum media width** | Tear/Peeler mode:120mm<br>Cutter mode: 114mm |
| **Maximum roll diameter** | 203mm |
| **Minimum roll core diameter** | 25.4mm |
| **Maximum roll core diameter^** | 76.2mm |
| **Minimum ribbon width^** | 40mm |
| **Maximum ribbon width^** | 110mm |
| **Suggested paper core diameter^** | 1" paper core |

## Ribbon

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|---|---|
| **Inner paper core and ribbon length^** | 1" paper core: Max. OD 81.3 mm, 450m long (8") |

| | |
|---|---|
| **Connectivity** | USB Ver.2.0 (Full Speed) (Type B), USB Host<br>Serial RS232C (DB9 female)<br>Wired LAN 10/100BASE-TX<br>Wi-Fi 802.11 a/b/g/n (module option) |
| **Control Panel** | **TJ-4005DN \| TJ-4020TN \| TJ-4120TN:**<br>4 LED indicators, 1 status indicator and 2 buttons<br>**TJ-4021TN \| TJ-4121TN:**<br>3.5-inch colour touch display and 6 button navigation |
| **Printer commands** | FBPL-EZD<br>(EPL2,ZPL2,DPL) |
| **Internal fonts and sizes** | 8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG triumvirate bold condensed scalable font |
| **Memory** | RAM: 128MB<br>Flash: 128MB |

## Software

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|---|---|
| **Internal Barcode** | Linear: Code128UCC, Code128 subsets A B C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Standard 2 of 5, Industrial 2 of 5, Code39, Code39 with check digit, Code93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, EAN14, Code11, TELEPEN, TELEPEN number, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS<br><br>2-dimensional: CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF417, TLC39 |
| **Operating system support** | Microsoft® Windows® 8.1 / 10 / 11 / Server 2012R2 / Server 2016 / Server 2019<br><br>macOS 10.13.x,10.14.x 10.15<br>macOS 11, 12<br><br>Ubuntu V11.04-16.04 / Fedora 24 / SUSE Linux Enterprise Server 12 / CentOS Linux 7.2 / Red Hat Enterprise 7.3 |
| **Windows SDK** | Microsoft® Windows® 8.1 / 10 / 11 / Server 2012 R2 / Server 2016 / Server 2019 / Server 2022 |
| **Mobile SDK** | Android v8 or later<br>iOS v11 or later<br>Requires 3rd party app development using Brother SDK, further information available at https://support.brother.com/g/s/es/dev/en/index.html |
| **Software** | **BarTender Ultra Lite Edition:** Barcode label design software<br><br>**Brother Printer Management Tool:** Software to centrally manage devices for updating settings, firmware and other configurations. (Microsoft® Windows® 8.1 / Windows® 10 / Windows® 11), Microsoft® Windows® Server 2012 R2 / Server 2016 / Server 2019) |

## Environmental

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|---|---|
| **Operating temperature** | 0ºC to 40ºC |
| **Operating humidity** | 25% to 85% non-condensing |
| **Storage temperature** | -40ºC to 60º C |
| **Storage humidity** | 10% to 90% non-condensing |

## Supplies

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|---|---|
| **Roll type*** | TBC |
| **Ribbon type*** | **Uncoated Thermal transfer label:**<br>BUS-1J074102-203: 102mm x 74mm, 2,940 labels<br>BUS-1J150102-203: 102mm x 150mm, 1,500 labels<br><br>**Coated Thermal transfer label:**<br>BCS-1J074102-203: 102mm x 74mm, 2,900 labels<br>BCS-1J150102-203: 102mm x 150mm, 1,440 labels |
| **Label type*** | **Standard Wax:**<br>BWS-1D450-110: 110mm x 450m<br><br>**Premium Wax:**<br>BWP-1D450-110 – 110mm x 450m<br><br>**Standard Wax/Resin:**<br>BSS-1D450-110: 110mm x 450m<br><br>**Premium Wax/Resin:**<br>BSP-1D450-110: 110mm x 450m<br><br>**Standard Resin:**<br>BRS-1D450-110: 110mm x 450m<br><br>**Premium Resin:**<br>BRP-1D450-110: 110mm x 450m |

## Optional Accessories (Dealer Option)

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|---|---|
| **Label Peeler** (with liner rewinder) | PA-LP-005 |
| **Cutter** | PA-CU-004 |
| **WLAN Interface** (module)(User Option) | PA-WI-002 |
| **Thermal Print Head (203dpi)** | BPA-HA2L-004 |
| **Thermal Print Head (300dpi)** | BPA-HA3L-004 |
| **Platen Roller** | BPA-PRL-004 |

*For additional supplies information, please contact your local Brother office
^excluding TJ-4005DN (Direct Thermal only)

# brother
## at your side