

# Durable industrial label printers

## TJ series

[brotherzone.co.uk/sps-zone](https://brotherzone.co.uk/sps-zone)





**Industrial label printers,  
built for you and built  
to last**





Brother has been innovating and developing labelling machines for over 30 years, always with the focus of making processes more efficient.

Years of experience in labelling and print, developing products across a wide range of industries, has been channelled into our range of industrial label printers. The TJ series offers high-volume label printing and performance you can rely on.



## TJ industrial label printers



## Performance and durability you can rely on

The TJ series has been designed to ensure minimal downtime and maximum productivity through fast print speeds, large ribbon capacity and in-built durability, making it perfect for tough production environments.

With stress-free integration and various connectivity options, these durable printers are ready to meet a wide range of requirements. By using the correct ribbon and label combination, users can print labels that will withstand extremes in moisture, durability and chemical resistance.

Always ready when you are, TJ printers can produce more than 1,000 labels a day to meet peaks in demand - whatever the environment.

# Industrial label printers designed to meet your requirements

The TJ series has been built to meet your requirements, to provide labelling solutions that are “At your side” every step of the way.

This high-performing range of industrial printers meets the needs of demanding labelling environments, with accessories and software compatibility to ensure we have a solution for your industry’s challenges.

## Manufacturing

Our high-volume label printers offer fast print speeds to keep up with the relentless pace of the production line.

Experience performance you can depend on with our easy-to-integrate label printers.

- Packing labels
- Product and parts labels
- Compliance and ratings labels
- Work in progress (WIP) labels

## Transportation and logistics

Print easy-to-read text and barcodes, time after time, for your transport and warehouse labelling needs.

With high quality packing and shipping labels, it's easy to maintain compliance throughout the supply chain.

- Shipping and receiving labels
- Pallet labels
- Product identification labels
- Compliance labels
- Order preparation and picking labels
- Order fulfilment
- Inventory management
- Hazchem labels





## “At your side”

Brother TJ printers are always “At your side” with our three-year return-to-base warranty as standard. Our experienced sales and technical support teams are also always on hand to ensure you have a print solution that meets your requirements.



## Retail

Ensure a seamless customer experience with our industrial printers supporting your supply chain every step of the way.

Printing product identification labels for sorting at fulfilment centres through to the shipping labels that deliver your products to the end customer.

- Shipping labels
- Returns labels
- Product labels
- Click and collect labels
- Inventory management

## Healthcare

Brother offers a range of print solutions from specimen labels through to medicine dosage labels.

Our industrial label printers provide efficient labelling solutions for the medical and pharmaceutical industries, built to meet demand while ensuring traceability.

- Laboratory and blood bank labelling
- Medicine labels
- Asset tracking
- Shipping labels





# Features that help get the job done

## Integrate with ease

No need to worry about integration, Brother industrial printers support various printer command languages, including ZPL2 emulation.

## Minimise downtime and save money

Save workers' time through easy media loading and fewer ribbon<sup>o</sup> replacements. Time saved can be spent focusing on the job and working more efficiently - saving money in the long-term.

## In-built durability

The industrial-grade printers have been built to last with features such as a metal cover and frame, ensuring you enjoy years of hassle-free label printing, even in tough production environments.

## Maximise productivity

Fast print speeds help you keep up with increasing demand, especially when scaling up for peak periods.

With an internal rewinder on selected models, you can also multi-task by sending your labels to print and collecting the ready printed label roll whenever required.

## First-class user experience

Range of LED, LCD and touch panel displays available for instant feedback, all designed with the user in mind. Offering an easy-to-use interface for all your setup needs.

## Connectivity as standard

Our comprehensive connectivity options offer USB, USB Host, Serial and Ethernet. WiFi and Bluetooth interfaces are also available as an add-on accessory\*.



TJ-4005DN



TJ-4020TN



TJ-4120TN



TJ-4021TN



TJ-4121TN



TJ-4420TN



TJ-4520TN



TJ-4422TN



TJ-4522TN

\* Purchased separately

<sup>o</sup> Excluding TJ-4005DN



# TJ Series

## brief summary

| TJ-4005DN | TJ-4020TN | TJ-4120TN | TJ-4021TN | TJ-4121TN | TJ-4420TN | TJ-4520TN | TJ-4422TN | TJ-4522TN |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TJ Series |           |           |           |           |           |           |           |           |

### Printing

|                       |                                                                                                                                                                                                                      |                                     |                      |                       |                      |                                                                                                                                                                          |                      |                                                                                                                                                                                       |                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|-----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Print technology      | Direct Thermal                                                                                                                                                                                                       | Direct Thermal and Thermal Transfer |                      |                       |                      | Direct Thermal and Thermal Transfer                                                                                                                                      |                      |                                                                                                                                                                                       |                      |
| Print resolution      | 203dpi                                                                                                                                                                                                               | 203dpi                              | 300dpi               | 203dpi                | 300dpi               | 203dpi                                                                                                                                                                   | 300dpi               | 203dpi                                                                                                                                                                                | 300dpi               |
| Print speed           | 6 ips<br>(152mm/sec)                                                                                                                                                                                                 | 10 ips<br>(254mm/sec)               | 7 ips<br>(178mm/sec) | 10 ips<br>(254mm/sec) | 7 ips<br>(178mm/sec) | 14 ips<br>(356mm/sec)                                                                                                                                                    | 12ips<br>(305mm/sec) | 14 ips<br>(356mm/sec)                                                                                                                                                                 | 12ips<br>(305mm/sec) |
| Max print width       | 107mm                                                                                                                                                                                                                | 107mm                               | 105.7mm              | 107mm                 | 105.7mm              | 104mm                                                                                                                                                                    |                      |                                                                                                                                                                                       |                      |
| Max print length      | 25400mm                                                                                                                                                                                                              | 25400mm                             | 11430mm              | 25400mm               | 11430mm              | 25400mm                                                                                                                                                                  | 11430mm              | 25400mm                                                                                                                                                                               | 11430mm              |
| Min print length      | 5mm                                                                                                                                                                                                                  |                                     |                      |                       |                      | 5mm                                                                                                                                                                      |                      |                                                                                                                                                                                       |                      |
| Media sensor type     | Gap (transmissive), Black mark (reflective), Ribbon encoder (reflective),<br>Ribbon end (transmissive), Head open (transmissive)<br>TJ-4005DN: Gap (transmissive), Black mark (reflective), Head open (transmissive) |                                     |                      |                       |                      | Gap transmissive (position adjustable),<br>Black mark reflective (position adjustable), Head open transmissive,<br>Ribbon encoder reflective,<br>Ribbon end transmissive |                      | Gap transmissive (position adjustable),<br>Black mark reflective (position adjustable), Head open transmissive,<br>Ribbon encoder reflective, Ribbon end transmissive, Media near end |                      |
| Media sensor location | Adjustable: Gap, Black mark, Fixed: Ribbon encoder, Ribbon end, Head open<br>TJ-4005DN: Adjustable: Gap, Black mark, Fixed: Head open                                                                                |                                     |                      |                       |                      | Adjustable: Gap, Black mark, Fixed: Ribbon encoder, Ribbon end, Head open                                                                                                |                      |                                                                                                                                                                                       |                      |
| Release mode          | Standard: Continuous, Tear off Optional: Peeled, Cut                                                                                                                                                                 |                                     |                      |                       |                      | Standard: Continuous,<br>Tear off Optional: Peeled, Cut                                                                                                                  |                      | Standard: Continuous, rewinding                                                                                                                                                       |                      |

### Connectivity

|                       |   |   |   |   |   |   |   |   |   |
|-----------------------|---|---|---|---|---|---|---|---|---|
| USB                   | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| USB host              | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Serial                | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Bluetooth (option)*   |   |   |   |   |   | ● | ● | ● | ● |
| Wired LAN             | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Wireless LAN (option) | ● | ● | ● | ● | ● | ● | ● | ● | ● |

### General

|                          |                                                                           |   |   |                                                                            |                                   |                                                       |                                   |                                                               |   |   |
|--------------------------|---------------------------------------------------------------------------|---|---|----------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|---|---|
| Dimensions (mm)          | 248mm (W) x 274mm (H) x 436mm (D)                                         |   |   |                                                                            | 276mm (W) x 326mm (H) x 502mm (D) |                                                       | 276mm (W) x 412mm (H) x 502mm (D) |                                                               |   |   |
| Weight                   | 9.2kg<br>Peeler mode: 9.9kg<br>Cutter mode: 9.6kg<br>Gross weight: 11.2kg |   |   | 9.4kg<br>Peeler mode: 10.1kg<br>Cutter mode: 9.8kg<br>Gross weight: 11.4kg |                                   | 15.35kg<br>Peeler mode: 16.4kg<br>Cutter mode: 16.9kg |                                   | 18.93kg                                                       |   |   |
| Control panel            | 4 intuitive icon indicators, 1 status indicator, 2 buttons (pause, feed)  |   |   | 3.5-inch colour touch display, 1 status indicator, 6 button navigation     |                                   | LCD display, 1 status indicator, 6 button navigation  |                                   | Colour touch display, 1 status indicator, 6 button navigation |   |   |
| Touch panel              |                                                                           |   |   |                                                                            | ●                                 | ●                                                     |                                   |                                                               | ● | ● |
| Tear bar                 | ●                                                                         | ● | ● | ●                                                                          | ●                                 | ●                                                     | ●                                 |                                                               |   |   |
| Operating system support | Windows, Linux, MAC, Android and iOS                                      |   |   |                                                                            |                                   |                                                       |                                   |                                                               |   |   |
| Supported Command        | FBPL-EZD (EPL2,ZPL2,DPL)                                                  |   |   |                                                                            |                                   | FBPL-EZD (EPL2,ZPL2,DPL)                              |                                   |                                                               |   |   |

\* Bluetooth connectivity option is part of the same single module with Wireless LAN.





**Enhance your printer  
with optimised  
accessories, supplies  
and software**



# TJ accessories and supplies

## Accessories

### PA-CU-004 \*

Cutter

TJ-4005DN TJ-4020TN  
TJ-4120TN TJ-4021TN  
TJ-4121TN



### PA-CU-005 \*

Cutter

TJ-4420TN  
TJ-4520TN



### PA-LP-005 \*

Peeler

TJ-4005DN TJ-4020TN  
TJ-4120TN TJ-4021TN  
TJ-4121TN



### PA-LP-006 \*

Peeler

TJ-4420TN TJ-4520TN



### PA-WI-002

WLAN Interface (WiFi)

TJ-4005DN TJ-4020TN  
TJ-4120TN TJ-4021TN  
TJ-4121TN



### PA-WB-001

Dual Interface (WiFi and Bluetooth)

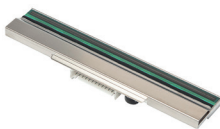
TJ-4420TN TJ-4520TN  
TJ-4422TN TJ-4522TN



### BPA-HA2L-004 \*

Thermal Print Head (203 dpi)

TJ-4005DN  
TJ-4020TN  
TJ-4021TN



### BPA-HA2M-004 \*

Thermal Print Head (203 dpi)

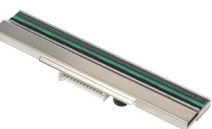
TJ-4420TN  
TJ-4422TN



### BPA-HA3L-004 \*

Thermal Print Head (300 dpi)

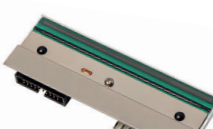
TJ-4120TN  
TJ-4121TN



### BPA-HA3M-004 \*

Thermal Print Head (300 dpi)

TJ-4520TN  
TJ-4522TN



### BPA-PRL-004 \*

Platen Roller

TJ-4005DN TJ-4020TN  
TJ-4120TN TJ-4021TN  
TJ-4121TN



### BPA-PRM-004 \*

Platen Roller

TJ-4420TN TJ-4520TN  
TJ-4422TN TJ-4522TN



\* Dealer installable only

## Supplies

| Supplies | Part code        | Description                              | Size          | Compatible models                                                                      |
|----------|------------------|------------------------------------------|---------------|----------------------------------------------------------------------------------------|
| Labels   | BUS-1J074102-203 | Uncoated thermal transfer die cut labels | 102mm x 74mm  | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Labels   | BUS-1J150102-203 | Uncoated thermal transfer die cut labels | 102mm x 150mm | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Labels   | BCS-1J074102-203 | Coated thermal transfer die cut labels   | 102mm x 74mm  | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Labels   | BCS-1J150102-203 | Coated thermal transfer die cut labels   | 102mm x 150mm | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Ribbon   | BWS-1D450-110    | Standard wax ribbon                      | 110mm x 450m  | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Ribbon   | BWS-1D600-110    | Standard wax ribbon                      | 110mm x 600m  | TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN                                             |
| Ribbon   | BWP-1D450-110    | Premium wax ribbon                       | 110mm x 450m  | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Ribbon   | BWP-1D600-110    | Premium wax ribbon                       | 110mm x 600m  | TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN                                             |
| Ribbon   | BSS-1D450-110    | Standard wax/resin ribbon                | 110mm x 450m  | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Ribbon   | BSS-1D600-110    | Standard wax/resin ribbon                | 110mm x 600m  | TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN                                             |
| Ribbon   | BSP-1D450-110    | Premium wax/resin ribbon                 | 110mm x 450m  | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Ribbon   | BSP-1D600-110    | Premium wax/resin ribbon                 | 110mm x 600m  | TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN                                             |
| Ribbon   | BRS-1D450-110    | Standard resin ribbon                    | 110mm x 450m  | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Ribbon   | BRS-1D600-110    | Standard resin ribbon                    | 110mm x 600m  | TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN                                             |
| Ribbon   | BRP-1D450-110    | Premium resin ribbon                     | 110mm x 450m  | TJ-4020TN, TJ-4021TN, TJ-4120TN, TJ-4121TN, TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN |
| Ribbon   | BRP-1D600-110    | Premium resin ribbon                     | 110mm x 600m  | TJ-4420TN, TJ-4520TN, TJ-4422TN, TJ-4522TN                                             |



# Software support features

**Brother provides all the necessary tools required for software developers to integrate printing into their applications.**

## Label design software

Supplied as standard (via download), you can create your own custom labels with pixel precision by using these powerful software applications. Features include support for a variety of barcode protocols and advanced image dithering to print high quality grayscale images.

## Printer commands

With support for ZPL2 emulation and a variety of additional printer command languages, developers can easily integrate printing into existing legacy systems (see specification tables for further details).

## Software compatibility

With our TJ series, you have the ability to integrate into market-leading ERP systems and WMS platforms.

## Device management

As most printer devices are either used remotely or away from the administrator, it is necessary to maintain control in the form of troubleshooting or updates. The Brother Printer Management Tool can accommodate this requirement, along with a variety of configuration tools and status reporting (Bluetooth connection mode not supported).

## Software development kits (SDKs)

Brother can supply a selection of free-of-charge SDKs to give you an easy way of incorporating label printing directly from within your own software programs.

Available from: <https://www.brother.co.jp/eng/dev/>

**Printer drivers are available for Windows OS. Software Development Kits (SDKs) can be provided to support Windows, Android and iOS operating systems.\***

\* Compatibility may vary dependent on model - check TJ Series in detail pages for more information.









# TJ Series

## in detail

| TJ-4005DN | TJ-4020TN | TJ-4120TN | TJ-4021TN | TJ-4121TN |
|-----------|-----------|-----------|-----------|-----------|
| TJ Series |           |           |           |           |

### Printing / Media

|                       |                                                                                                                                                                                                                |                                                                     |                                                                    |                                                                     |                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|
| Print technology      | Direct Thermal                                                                                                                                                                                                 | Direct Thermal and Thermal Transfer                                 |                                                                    |                                                                     |                                                                    |
| Print resolution      | 203dpi                                                                                                                                                                                                         | 203dpi                                                              | 300dpi                                                             | 203dpi                                                              | 300dpi                                                             |
| Print speed           | 6 ips (152mm/sec)<br>Peeler mode: 3 ips<br>Cutter mode: 2 - 6 ips                                                                                                                                              | 10 ips (254mm/sec)<br>Peeler mode: 3 ips<br>Cutter mode: 2 - 10 ips | 7 ips (178mm/sec)<br>Peeler mode: 3 ips<br>Cutter mode: 2 - 10 ips | 10 ips (254mm/sec)<br>Peeler mode: 3 ips<br>Cutter mode: 2 - 10 ips | 7 ips (178mm/sec)<br>Peeler mode: 3 ips<br>Cutter mode: 2 - 10 ips |
| Maximum print width   | 107mm                                                                                                                                                                                                          | 107mm                                                               | 105.7mm                                                            | 107mm                                                               | 105.7mm                                                            |
| Maximum print length  | 25400mm                                                                                                                                                                                                        | 25400mm                                                             | 11430mm                                                            | 25400mm                                                             | 11430mm                                                            |
| Minimum print length  | Continuous: 5mm<br>Tear mode: 50 mm<br>Peeler mode: 25.4mm<br>Cutter mode: 25.4mm                                                                                                                              |                                                                     |                                                                    |                                                                     |                                                                    |
| Media sensor type     | Gap (transmissive), Black mark (reflective), Ribbon encoder (reflective), Ribbon end (transmissive), Head open (transmissive) TJ-4005DN: Gap (transmissive), Black mark (reflective), Head open (transmissive) |                                                                     |                                                                    |                                                                     |                                                                    |
| Media sensor location | Adjustable: Gap, Black mark Fixed: Ribbon encoder, Ribbon end, Head open<br>TJ-4005DN: Adjustable: Gap, Black mark Fixed: Head open                                                                            |                                                                     |                                                                    |                                                                     |                                                                    |
| Release mode          | Standard: Continuous, Tear off<br>Optional: Peeled, Cut                                                                                                                                                        |                                                                     |                                                                    |                                                                     |                                                                    |

### Media and Ribbon

|                        |                                                                   |                                                                   |                                                                    |                                                                   |                                                                    |
|------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|
| Media types            | Continuous, die-cut, black mark, fan-fold, notch                  |                                                                   |                                                                    |                                                                   |                                                                    |
| Media thickness        | 0.06 - 0.28mm                                                     |                                                                   |                                                                    |                                                                   |                                                                    |
| Media width            | Tear mode and Peeler mode: 20 - 120 mm<br>Cutter mode: 20 - 114mm |                                                                   |                                                                    |                                                                   |                                                                    |
| Media Length           | Tear mode:<br>50 mm - 25400mm<br>Peeler mode:<br>25.4mm - 152.4mm | Tear mode:<br>50 mm - 25400mm<br>Peeler mode:<br>25.4mm - 152.4mm | Tear mode:<br>50 mm - 11,430mm<br>Peeler mode:<br>25.4mm - 152.4mm | Tear mode:<br>50 mm - 25400mm<br>Peeler mode:<br>25.4mm - 152.4mm | Tear mode:<br>50 mm - 11,430mm<br>Peeler mode:<br>25.4mm - 152.4mm |
| Maximum media diameter | 203.2mm (8 inch)                                                  |                                                                   |                                                                    |                                                                   |                                                                    |
| Core diameter          | 25.4mm - 76.2mm (1 - 3 inch)                                      |                                                                   |                                                                    |                                                                   |                                                                    |
| Ribbon types           | –                                                                 | Wax, Wax Resin, Resin                                             |                                                                    |                                                                   |                                                                    |
| Ribbon width           | –                                                                 | 40mm - 110mm                                                      |                                                                    |                                                                   |                                                                    |

### Connectivity

|                       |                                                                                                                                                                                                                                                                                |  |  |  |  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| USB                   | USB 2.0 high speed                                                                                                                                                                                                                                                             |  |  |  |  |
| USB host              | Stand alone: USB keyboard, USB scanner<br>Storage: USB pen drive, clone and setup                                                                                                                                                                                              |  |  |  |  |
| Serial                | RS-232 (Max. 115200 bps)                                                                                                                                                                                                                                                       |  |  |  |  |
| Wired LAN             | Ethernet 10/100 Mbps<br>ARP, MAC, BOOTP, DHCP, DNS, WINS, FTP SERVER, HTTP server, SNMP client, SMTP client, SNMP V1, Telnet, LPR/LPD, RAW 9100, IPV4, ICMP, IGMP, TCP, UDP                                                                                                    |  |  |  |  |
| Wireless LAN          | Optional slot-in WLAN interface accessory                                                                                                                                                                                                                                      |  |  |  |  |
| Wireless LAN mode     | Compliant to IEEE 802.11 a/b/g/n with dual band support<br>Supports Bandwidth in 5GHz: 20/40 MHz<br>802.11n Features: 802.11n HT20<br>Roaming without data lost in AP coverage<br>Protocols: IPv4, ARP, ICMP, UDP, TCP, RAW, DHCP Client, DHCP FQDN Option, Unicast DHCP Offer |  |  |  |  |
| Wireless LAN security | Open, WEP-Open, WPA-PSK/WPA2 (AES and TKIP)<br>Supports 802.11i security<br>WPA2-Enterprise: EAP-FAST, EAP-TTLS, EAP-TLS, PEAPv0,                                                                                                                                              |  |  |  |  |



| TJ-4005DN | TJ-4020TN | TJ-4120TN | TJ-4021TN | TJ-4121TN |
|-----------|-----------|-----------|-----------|-----------|
| TJ Series |           |           |           |           |

## Software

|                        |                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Label editing software | BarTender UltraLite (download only)                                                                                                          |
| MAC printer driver     | macOS 10.13x - 10.15x<br>macOS 11, macOS 12                                                                                                  |
| Linux printer driver   | Supported 32-bit and 64-bit OS:<br>Ubuntu V11.04-16.04, Fedora 24, SUSE Linux Enterprise Server 12, CentOS Linux 7.2, Red Hat Enterprise 7.3 |
| Windows printer driver | Supported 32-bit and 64-bit OS:<br>Windows 8.1, Windows 10, Windows 11<br>Server 2012 R2, Server 2016, Server 2019                           |
| Setting tool           | BPM (Brother Printer Management Tool)<br>Windows 8.1, Windows 10, Windows 11<br>Windows Server 2012 R2, 2016, 2019 standard versions         |
| Windows SDK            | Supported 32-bit and 64-bit OS:<br>Windows 8.1, Windows 10, Windows 11<br>Server 2012 R2, Server 2016, Server 2019                           |
| Android SDK            | Brother Print SDK for Android™ TYPE B<br>Supported OS: V8 or later                                                                           |
| iOS SDK                | Brother Print SDK for iPhone/iPad TYPE B<br>Supported OS: V11 or later                                                                       |
| Supported command      | FBPL-EZD (EPL2,ZPL2,DPL)                                                                                                                     |

## General

|                             |                                                                                                             |   |                                                                              |   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------|---|
| Control panel               | 4 intuitive icon indicators, 1 status indicator,<br>2 buttons (pause, feed)                                 |   | 3.5-inch colour touch display,<br>1 status indicator,<br>6 button navigation |   |
| Touchpanel                  | -                                                                                                           | - | ●                                                                            | ● |
| Tear bar                    | ●                                                                                                           | ● | ●                                                                            | ● |
| Cutter (dealer installable) | Optional accessory                                                                                          |   |                                                                              |   |
| Peeler (dealer installable) | Optional accessory                                                                                          |   |                                                                              |   |
| Power supply                | Internal universal switching power supply<br>Input: AC 100-240V, 2A, 50 / 60Hz<br>Output: DC24V, 3.75A, 90W |   |                                                                              |   |

## Memory

|       |       |
|-------|-------|
| SDRAM | 128MB |
| FLASH | 128MB |

## Environmental

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

## Weight and Dimensions

|                        |                                   |       |
|------------------------|-----------------------------------|-------|
| Weight (without media) | 9.2kg                             | 9.4kg |
| Dimensions             | 248mm (W) x 274mm (H) x 436mm (D) |       |

## Included Items

|                      |                                                                                                                                       |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| In individual carton | Printer, AC Power Cord, Documentation, USB Cable, 1" ribbon paper core<br>TJ-4005DN: Printer, AC Power Cord, Documentation, USB Cable |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------|



# TJ Series

## in detail

| TJ-4420TN | TJ-4520TN | TJ-4422TN | TJ-4522TN |
|-----------|-----------|-----------|-----------|
| TJ Series |           |           |           |

### Printing / Media

|                       |                                                                                                                                                                 |                                                                         |                                                                                                                                                                                 |                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Print technology      | Direct thermal and thermal transfer                                                                                                                             |                                                                         |                                                                                                                                                                                 |                   |
| Print resolution      | 203dpi                                                                                                                                                          | 300dpi                                                                  | 203dpi                                                                                                                                                                          | 300dpi            |
| Print speed           | 14 ips (356mm/sec)<br>Peeler mode: Max. 4 ips<br>Cutter mode: 2 - 14 ips                                                                                        | 12ips (305mm/sec)<br>Peeler mode: Max. 4 ips<br>Cutter mode: 2 - 12 ips | 14 ips (356mm/sec)                                                                                                                                                              | 12ips (305mm/sec) |
| Max. print width      | 104mm                                                                                                                                                           |                                                                         |                                                                                                                                                                                 |                   |
| Max. print length     | 25.5m                                                                                                                                                           | 11.43m                                                                  | 25.5m                                                                                                                                                                           | 11.43m            |
| Min. print length     | Continuous: 5mm                                                                                                                                                 |                                                                         |                                                                                                                                                                                 |                   |
| Media sensor type     | Gap transmissive (position adjustable), Black mark reflective (position adjustable), Head open transmissive, Ribbon encoder reflective, Ribbon end transmissive |                                                                         | Gap transmissive (position adjustable), Black mark reflective (position adjustable), Head open transmissive, Ribbon encoder reflective, Ribbon end transmissive, Media near end |                   |
| Media sensor location | Adjustable: Gap, Black mark<br>Fixed: Ribbon encoder, Ribbon end, Head open                                                                                     |                                                                         |                                                                                                                                                                                 |                   |
| Release mode          | Standard: Continuous, Tear off<br>Optional: Peeled, Cut                                                                                                         |                                                                         | Standard: Continuous, rewinding                                                                                                                                                 |                   |

### Media and Ribbon

|                     |                                                                                                                    |                                                                                                     |                |                |
|---------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------|----------------|
| Media types         | Continuous, die-cut, black mark, fan-fold, notch, perforated, tag, care label<br>Peeler mode: regular coated paper |                                                                                                     |                |                |
| Media thickness     | 0.06 - 0.28mm                                                                                                      |                                                                                                     |                |                |
| Media width         | 20 - 114mm                                                                                                         |                                                                                                     |                |                |
| Media length        | Tear mode:<br>5mm - 25,400mm<br>Peeler mode:<br>12.7mm - 152 mm<br>Cutter mode:<br>25.4mm - 2,286mm                | Tear mode:<br>5mm - 11,430mm<br>Peeler mode:<br>12.7mm - 152 mm<br>Cutter mode:<br>25.4mm - 1,016mm | 5mm - 25,400mm | 5mm - 11,430mm |
| Max. media diameter | 203.2mm                                                                                                            |                                                                                                     |                |                |
| Core diameter       | 38.1mm - 76.2mm                                                                                                    |                                                                                                     |                |                |
| Ribbon types        | Wax, Wax Resin, Resin                                                                                              |                                                                                                     |                |                |
| Ribbon width        | 25.4mm - 114.3mm                                                                                                   |                                                                                                     |                |                |

### Connectivity

|                       |                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB                   | USB 2.0 high speed                                                                                                                                                                                                                           |
| USB host              | Stand alone: USB keyboard, USB scanner<br>Storage: USB pen drive, clone and setup                                                                                                                                                            |
| Serial                | RS-232 (Max. 115200 bps)                                                                                                                                                                                                                     |
| Bluetooth             | Optional slot-in WiFi and Bluetooth dual interface accessory                                                                                                                                                                                 |
| Bluetooth profile     | v4.2 SPP (Bluetooth classic), GATT (Bluetooth low energy)                                                                                                                                                                                    |
| Wired LAN             | Ethernet, 10/100 Mbps<br>ARP, MAC, BOOTP, DHCP, DNS, WINS, FTP SERVER, HTTP server, SNTP client, SMTP client, SNMP V1, Telnet, LPR/LPD, RAW 9100, IPV4, ICMP, IGMP, TCP, UDP                                                                 |
| Wireless LAN          | Optional slot-in WiFi and Bluetooth dual interface accessory                                                                                                                                                                                 |
| Wireless LAN mode     | Compliant to IEEE 802.11 a/b/g/n with dual band support<br>Supports Bandwidth in 5GHz: 20/40 MHz<br>Roaming without data lost in AP coverage<br>Protocols: IPv4, ARP, ICMP, UDP, TCP, RAW, DHCP Client, DHCP FQDN Option, Unicast DHCP Offer |
| Wireless LAN security | Open, WEP-Open, WPA-PSK/WPA2 (AES and TKIP)<br>Supports 802.11i security WPA2-Enterprise: EAP-FAST, EAP-TTLS, EAP-TLS, PEAPv0                                                                                                                |



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## Software

|                        |                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Label editing software | BarTender UltraLite (download only)                                                                                                          |
| MAC printer driver     | OS X 10.11.x<br>macOS 10.12.x - 10.15.x                                                                                                      |
| Linux printer driver   | Supported 32-bit and 64-bit OS:<br>Ubuntu V11.04-16.04, Fedora 24, SUSE Linux Enterprise Server 12, CentOS Linux 7.2, Red Hat Enterprise 7.4 |
| Windows printer driver | Supported 32-bit and 64-bit OS:<br>Windows 7, Windows 8.1, Windows 10<br>Server 2012, Server 2012 R2, Server 2016, Server 2019               |
| Setting tool           | BPM (Brother Printer Management Tool)<br>Windows 7, Windows 8.1, Windows 10<br>Windows Server 2012, 2016, 2019 standard versions             |
| Windows SDK            | Supported 32-bit and 64-bit OS:<br>Windows 7, Windows 8.1, Windows 10<br>Server 2012, Server 2012 R2, Server 2016, Server 2019               |
| Android SDK            | Brother Print SDK for Android™ TYPE B<br>Supported OS: V5 – V10                                                                              |
| iOS SDK                | Brother Print SDK for iPhone/iPad TYPE B<br>Supported OS: V9-V13.2                                                                           |
| Supported Command      | FBPL-EZD (EPL2,ZPL2,DPL)                                                                                                                     |

## General

|                               |                                                                                                                                 |                    |                                                                  |   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------|---|
| Control panel                 | LCD display, 1 status indicator,<br>6 button navigation                                                                         |                    | Colour touch display,<br>1 status indicator, 6 button navigation |   |
| Touch panel                   |                                                                                                                                 |                    | ●                                                                | ● |
| Tear bar                      | ●                                                                                                                               | ●                  |                                                                  |   |
| Cutter (reseller installable) | Optional accessory                                                                                                              | Optional accessory |                                                                  |   |
| Peeler (reseller installable) | Optional accessory                                                                                                              | Optional accessory |                                                                  |   |
| Internal rewinder             |                                                                                                                                 |                    | ●                                                                | ● |
| Power supply                  | Internal switching power supply<br>Input: AC 100-240V, 4-2A, 50-60Hz<br>Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W |                    |                                                                  |   |

## Memory

|       |                                                                                   |
|-------|-----------------------------------------------------------------------------------|
| SDRAM | 256MB                                                                             |
| FLASH | 512MB + (MicroSD Flash memory card reader or Flash memory expansion, up to 32 GB) |

## Environmental

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

## Weights and dimensions

|                        |                                   |                                   |
|------------------------|-----------------------------------|-----------------------------------|
| Weight (without media) | 15.35kg                           | 18.93kg                           |
| Dimensions             | 276mm (W) x 326mm (H) x 502mm (D) | 276mm (W) x 412mm (H) x 502mm (D) |

## Included Items

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| In individual carton | Printer, AC power cord, documentation, USB cable, 1" ribbon paper core |
|----------------------|------------------------------------------------------------------------|



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Contact:

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