Professional 4 inch desktop label printers

TD4 Direct thermal series

brother.co.uk/labelling/td-labeller

Versatile, high-resolution desktop printers

Brother's range of TD professional label printers allows you to print high quality labels on demand, whatever the requirement. Printing labels up to 4 inches in width, using direct thermal print technology, they fit the requirements of a large range of market applications.

TD professional desktop label printers

Seamless integration

Brother's new high specification 4 inch desktop label printers bring you improved operational efficiency with easy to use, high speed and continuous label printing. Combined with seamless integration and modular design, print from virtually anywhere in the workplace. Supporting a variety of printer command languages including ZPL II emulation allows you to integrate into existing legacy systems.

Professional label printing

Labels are often required to display a considerable amount of important information, so you need a printer that can put it all together efficiently, with consistent, high-quality results.

The TD series of desktop label printers offers direct thermal high speed printing, at up to 300dpi resolution. Options include a peeler or automatic cutter, for producing continuous media to your required length on demand.

The software supports barcode printing, embellish font programming for highlighting specific words, and also allows you to import graphics and date formats for a truly personalised solution.
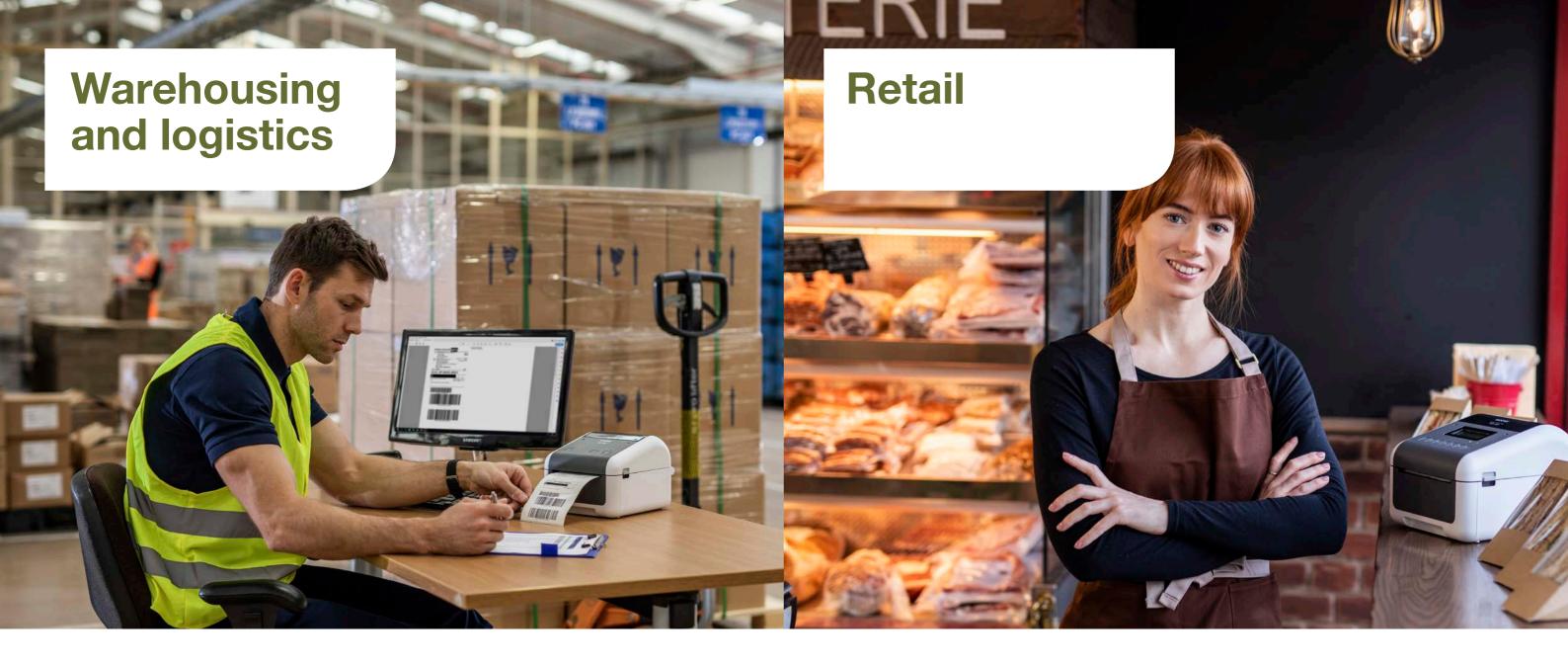
Direct thermal print technology

Low-cost, high-volume labels can be created using a heat-sensitive coating and thermal print head, meaning traditional printing ribbons and ink are not required. Ideal for less permanent labelling uses.

Healthcare, medical and laboratory

With the strict regulations on the tracking of patient specimens and other items within the healthcare industry, clear, high quality labelling is essential to maintain safety and traceability.

Applications include:

• Appointment cards
• Admission labels
• Specimen and pathology labels
• Blood bag labels
• Laboratory labels
• Microbiology labels
• Dosage/drug bag labels.
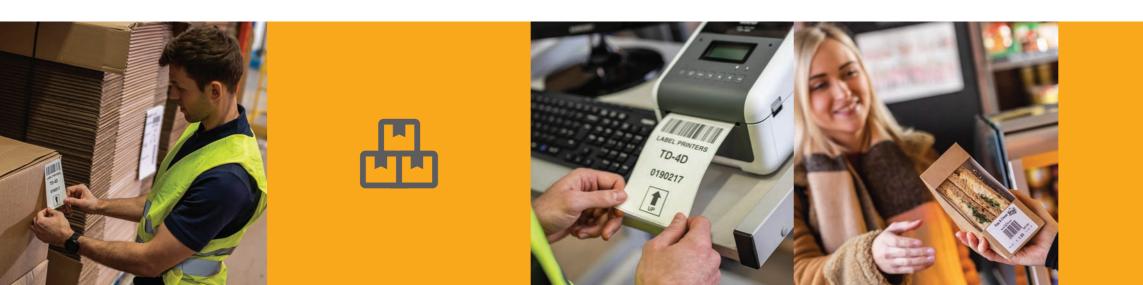
Warehousing and logistics

Retail

Efficient warehousing operation and worker productivity are critical to the success of many companies. With the most common sizes of shipping labels available and the ability to create custom size labels, there are many uses for these models in the warehouse.

Applications include:

- Shipping labels
- Carton labels
- Location labels
- Pallet identification labels
- Quality control labels
- Compliance labels.

Easy to read labels are essential for consumers to help make informed decisions prior to a potential purchase. The high print resolution and high quality labels used in this range ensure that every output printed looks professional, offering sharp text, logos and barcodes with a high contrast to ensure faultless scanning at the checkout.

Applications include:

- Pricing labels
- Barcode labels
- Pre-packaged food ingredients labels
- Nutrition information labels
- Shelf-edge labels
- Markdown.

TD range
brief summary

	TD-4000	TD-4100N	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
			4 inch			
Printing						
Print technology			Direct thermal			
Print speed	110mm/sec		203mm/sec		152mm/sec	
Resolution	300dpi		203dpi		300dpi	
Max. print width	98.6mm		104.1mm		108.4mm	
Min. print length	25.4mm		Continuous: 6.4 mm, Peeler: 12.7 mm, cutter: 20 mm, tear: 27 mm			
Max. print length			3000mm			
Media sensor type	Gap (transmissive)		Gap (transmissive), Bar (reflective)			
Media sensor location	Gap (fixed)		Gap (fixed), Reflective (adjustable)			
Tear off release mode	Manual/auto cutter		Standard: Continuous, tear off Optional: Peeler, cutter			
Connectivity						
USB	●	●	●	●	●	●
Serial	●	●	●	●	●	●
Wired LAN		●		●	●	●
USB host port						●
Bluetooth						●
Wireless LAN						●
General						
Dimensions (mm)	173(w) x 229(d) x 158(h)		180(w) x 224(d) x 155(h)			
Weight	1.81kg	1.83kg	2.08kg			
Control panel	3 button 1 LED		3 button 3 LED			7 button 3 LED
LCD						●
Operating system support	Windows XP/Vista 7/8/10, Linux	Windows XP/Vista 7/8/10, Windows Server 2008/ 2008R2, Linux	Windows 7/8/8.1/10 Linux	Windows 7/8/8.1/10, Windows Server 2008/2008R2/2012/2012R2/2016 Linux		
Supported commands	P-touch Template, ESC/P		P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation			

TD-4D accessories
and consumable supplies

Brother has designed and engineered a wide range of accessories to help customise your solution to meet your specific labelling requirements. Brother accessories help users equip their device to cope with the specific requirements of use.

TD-4D additional options

PA-LP-002
TD-4D series only
Label peeler
TD-4410D
TD-4420DN
TD-4520DN
TD-4550DNWB

PA-CU-001
TD-4D series only
Cutter
TD-4410D
TD-4420DN
TD-4520DN
TD-4550DNWB

PA-HU2-001
TD-4D series only
Thermal print head (203dpi)
TD-4410D
TD-4420DN

PA-HU3-001
TD-4D series only
Thermal print head (300dpi)
TD-4520DN
TD-4550DNWB

PA-PR2-001
TD-4D series only
Platen roller (203dpi)
TD-4410D
TD-4420DN

PA-PR3-001
TD-4D series only
Platen roller (300dpi)
TD-4520DN
TD-4550DNWB

TD-4D consumables

RD rolls	Size	Quantity	Colour	Item no
Continuous receipt roll	102mm x 27.7m	n/a	White	RD-M01E5
Continuous receipt roll	76mm x 35.3m	n/a	White	RD-P08E5
Continuous receipt roll	58mm x 86m	n/a	White	RD-S07E5
Continuous receipt roll	58mm x 12m	n/a	White	RD-R03E5
Continuous label roll	102mm x 44.7m	n/a	White	RD-S01E2
Die-cut labels roll	102mm x 50mm	843 labels	White	RD-S03E1
Die-cut labels roll	102mm x 152mm	72 labels	White	RD-M03E1
Die-cut labels roll	102mm x 152mm	281 labels	White	RD-S02E1
Die-cut labels roll	76mm x 26mm	1564 labels	White	RD-S04E1
Die-cut labels roll	76mm x 44mm	335 labels	White	RD-P09E1
Die-cut labels roll	51mm x 26mm	1564 labels	White	RD-S05E1
Die-cut labels roll	51mm x 26mm	450 labels	White	RD-Q04E1

Software, support and features

Mobile Deploy

Mobile Deploy is a cloud-based app that performs a complete printer configuration using a smart phone or tablet. The update process is easy. With a simple push of a button by the printer operator, Mobile Deploy transfers the full update and configuration. Companies can now maintain and update their entire fleet of Brother mobile printers simultaneously and instantaneously with a click of a button!

Simple setup
Simply install the app on the devices and load the URL provided by your administrator.
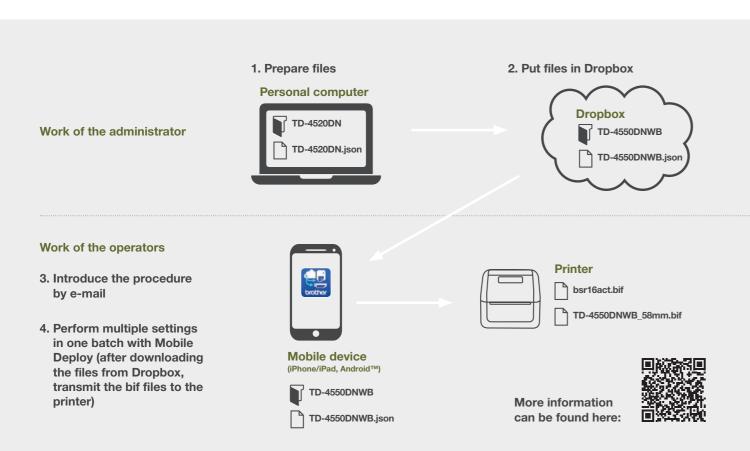
Simultaneous distribution
Post once and all printers in the field get updated.

Auto update check
The app automatically checks for updates that have been posted.

Complete updates
Firmware, settings, fonts, and templates can all be updated.

1. Prepare files

2. Put files in Dropbox

Work of the administrator

Personal computer

TD-4520DN
TD-4520DN.json

Dropbox
TD-4550DNWB
TD-4550DNWB.json

Work of the operators

3. Introduce the procedure by e-mail

4. Perform multiple settings in one batch with Mobile Deploy (after downloading the files from Dropbox, transmit the bif files to the printer)

Mobile device
(iPhone/iPad, Android™)

TD-4550DNWB
TD-4550DNWB.json

Printer
bsr16act.bif
TD-4550DNWB_58mm.bif

More information can be found here:

Compatible models: RJ-2000 series, RJ-3000 series, RJ-4200 series, PJ-763, PJ-763MFi, PJ-773, TD-4D range

With label design apps for desktop PCs and mobile devices, and SDKs to integrate the TD range into your own applications, you can choose the best option for your label printing needs.

Brother provides all the necessary tools required for software developers to integrate printing into their applications. Printer drivers are available for Windows OS, and Software Development Kits can be provided to support Windows Mobile*, Android and iOS operating systems.

Software, support and features

P-touch Editor

Supplied as standard, you can create your own custom labels with pixel precision by using this powerful software solution. With features such as support for over 15 barcode protocols, advanced image dithering to print high quality grayscale images, and the ability to link to data contained in Excel spreadsheets for batch printing of labels, any label design is possible.

Crop function

Built into the Windows driver, this function helps take away the inconvenience of using A4 sheets of labels in your standard printer. This clever feature automatically scans through the document and where a barcode is present it extracts shipping or product labels one at-a-time then prints individually on the Brother label printer.
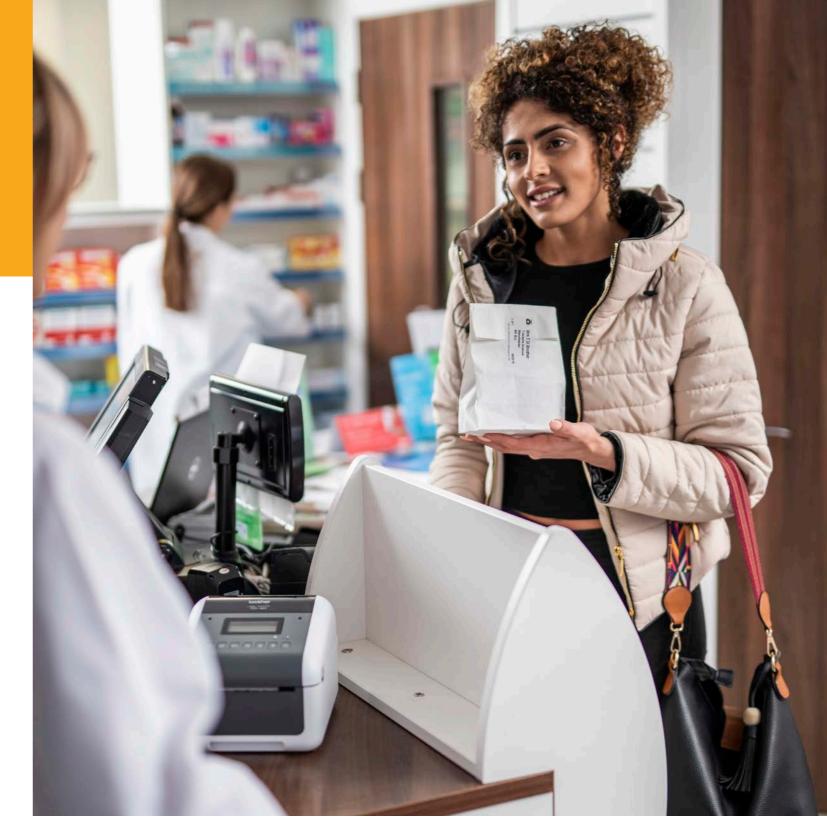
Template mode

Design the required document on your Windows PC, including logos and barcodes. Once transferred and stored in the printer's memory, the template can be recalled and any data replaced, before printing with just a few short commands.

Printer commands

With support for ZPL II 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 Development Kits (SDKs)

Brother can also supply a selection of free of charge SDKs to give you an easy method of incorporating label printing directly from within your own software programs. Available from: **https://www.brother.eu/developer**

Compatibility may vary dependent on model - check table on following page

Software

	TD-4000	TD-4100N	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
P-touch Editor	✓	✓	✓	✓	✓	✓
Brother font manager			✓	✓	✓	✓
Printer settings tool			✓	✓	✓	✓
Crop function (Windows driver)					✓	✓
Mobile Deploy app						✓

For further details visit : https://support.brother.com

The range in detail

Left table — 4 inch

	TD-4000	TD-4100N	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
4 inch						
Printing						
Print technology	Direct thermal					
Print speed	110mm/sec		203mm/sec		152mm/sec	
Resolution	300dpi		203dpi		300dpi	
Max. print width	98.6mm		104.1mm		108.4mm	
Min. print length	25.4mm		Continous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm			
Max. print length	3000mm					
Media sensor type	Gap (transmissive)		Gap (transmissive), Bar (reflective)			
Media sensor location	Gap (fixed)		Gap (fixed), Reflective (adjustable)			
Tear off release mode	Manual/auto cutter		Standard: Continuous, tear off Optional: Peeler, cutter			
Media						
Media types	Receipt (non-coated and coated) Die-cut label Continuous length label		Wristbands, continuous, die-cut, fan fold, perforated, tag			
Media thickness	Without adhesive: 0.08mm - 0.155mm (0.003 inch to 0.006 inch) With adhesive: 0.08mm - 0.170mm (0.003 inch to 0.007 inch)		0.058mm - 0.279mm (0.002 inch to 0.011 inch)			
Media width	19mm - 105.6mm (0.7 inch to 4.16 inch)		19mm - 118.11mm (0.75 inch to 4.65 inch)			
Media length			6.4mm - 3,000mm (0.25 inch to 118.11 inch)			
Diameter (max.)	101.6mm (4 inch)		127mm (5 inch)			
Core diameter (max.)	25.4mm (1inch)		12.7mm (0.5 inch)			
Connectivity						
USB	USB version 2.0 (full speed) Type B					
USB host capability	No	No	No	No	No	Yes
Serial	RS232C		Serial RS232C (DB9 male)			
Wired LAN	Not supported	10/100BASE-TX	10/100BASE-TX			
USB host port	No	No	No	No	No	Yes
Bluetooth	No	No	No	No	No	Version 4.2
Bluetooth profile	n/a	n/a	n/a	n/a	n/a	SPP, OPP, HCRP Bluetooth Classic, GATT (Bluetooth Low Energy)
Wireless LAN	n/a	n/a	n/a	n/a	n/a	802.11a/b/g/n
Wireless LAN security	n/a	n/a	n/a	n/a	n/a	Authentic method (encryption scheme) Infrastructure mode- Open system (None/ WEP64/WEP128) Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES), EAP-FAST (TKIP/AES), PEAP (TKIP/AES), EAP-TLS (TKIP/AES), EAP-TTLS (TKIP/AES) Authentic method (encryption scheme) Wireless direct mode -WPA2-PSK (AES)
MFi support	No	No	No	No	No	Yes
AirPrint	No	No	No	No	No	Yes
Wired LAN	No	Yes	No	Yes	Yes	Yes

Right table — 4 inch

	TD-4000	TD-4100N	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
4 inch						
General						
Control panel	3 button 1 LED		3 button 3 LED			7 button 3 LED
LCD type	n/a		n/a			Mono
Power						
Adapter			AC adapter (100 - 240V 50/60Hz)			
Software						
Operating system support	Windows XP/Vista 7/8/10, Linux	Windows XP/ Vista 7/8/10, Windows Server 2008/2008R2/ 2012/2012R2, Linux	Windows 7/8/8.1/10 Linux	Windows 7/8/8.1/10 Windows Server 2008/2008R2/2012/2012R2/2016 Linux		
Supported printer commands	P-touch Template, ESC/P		P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation			
Barcode symbologies	CODE39, CODE128, UCC/EAN-128(GS1-128), ITF(I-2/5), CODABAR(NW-7), UPC-A, UPC-E, EAN13(JAN13), EAN8, GS1 DataBar(RSS) (GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked), PDF417(Standard, Truncate, Micro), QR Code(Model 1, Model 2, Micro), Data Matrix (ECC200 Square, ECC200 Rectangular), MaxiCode		Linear: CODE 39, ITF(I-2/5), EAN-8(JAN8), EAN-13(JAN13), UPC-A, UPC-E, CODABAR (NW-7), CODE 128, GS1-128(UCC/EAN 128), GS1 Databar (Standard (Omnidirectional)/Truncated/Stacked/Stacked Omnidirectional/ Limited/Expanded), CODE93, POSTNET, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode 2-dimensional: QR Code (model 1, model 2, micro QR), Maxicode, PDF417 (Standard, Truncate, MicroPDF417) Data Matrix (ECC200 Square, ECC200 Rectangular) Aztec		
Internal fonts	Bitmap fonts: Helsinki, Brussels, Letter Gothic Bold, San Diego, Brougham Outline fonts: Helsinki, Brussels, Letter Gothic		ESC/P> Bitmap font: LetterGothicBold (16,24,32,48dot), Helsinki (16,24,32,48dot), Brussels (24,32,48dot), Brougham (24,32,48dot), San Diego (24,32,48dot), Gothic (16,24,32dot) Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 – 400dots) <P–touch Template> Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 – 400dots) Downloadable font support* via Font Manager software			
Memory						
RAM	8MB	16MB	256MB			
Flash	8MB	8MB	64MB			
Environmental						
Operating temperature	Operate: 10°C to 35°C		Operate: 5°C to 40°C			
Operating humidity	20 - 80% (No condensation)		20 - 85% (No condensation, max. wet bulb temperature: 27°C)			
Storage temperature	-20°C to 60°C					
Storage humidity	10 - 90% (no condensation)					
Weights and dimensions						
Dimensions (mm)	173(w) x 229(d) x 158(h)		180(w) x 155(d) x 224(h)			
Weights	1.81kg	1.83kg	2.08kg			
Included items						
Supplied in box	102mm continuous black on white label roll (2 metre starter roll) 51 mm x 26 mm black on white die-cut label roll (60 labels) AC cord, USB cable CD-ROM containing software, drivers and user guide		AC adapter and cord, USB cable, documentations			

* Font licensee permissions are required.

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at your side

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