

Professional 4 inch desktop label printers

TD Series

www.brother.eu



Versatile, high-resolution desktop printers



TD BAKERIES LTD

CHOC CHIP MUFFINS

PACK DATE:
13/02/19

SELL BY DATE:
20/02/19

PRICE:
£3.99

NET WEIGHT:
50g

Brother's range of TD professional label printers offer the ability to print high quality labels on demand, whatever the requirement. Printing labels up to 4 inches in width, and with direct thermal and thermal transfer print technology, they fit the requirements of a large range of vertical 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



**BLOOD SAMPLE
BOTTLES**

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 and thermal transfer high speed printing, at up to 300 dpi 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.



Printing Technology

Direct Thermal

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

Thermal Transfer

Crisp, durable printing is achieved through a process in which the ink is absorbed into the label, making it ideal for applications that require robust, harder-wearing labels.

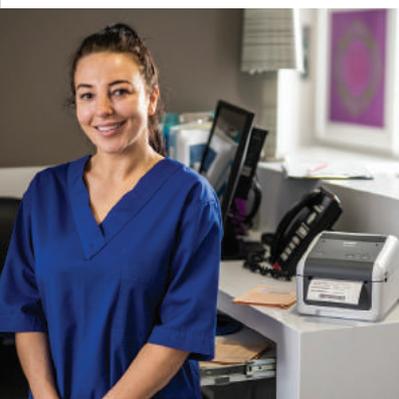
Healthcare, medical and laboratory



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



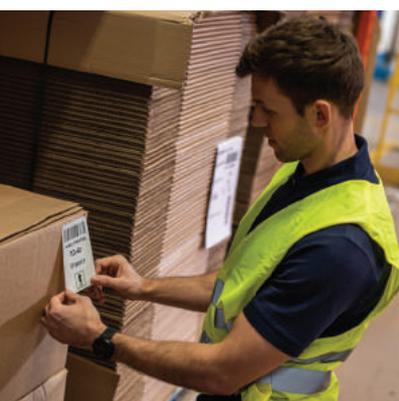
Warehousing and logistics



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



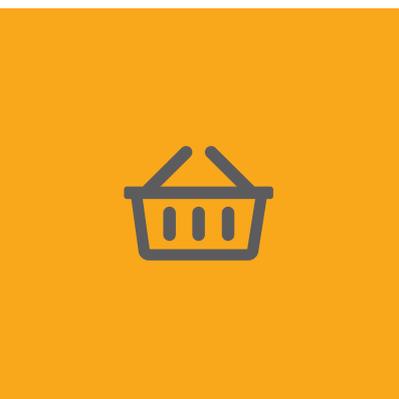
Retail



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
- Sale/mark-down/discount pricing labels



TD Range

brief summary

| | | | | | | | |
|---------------|----------|----------|-----------|-----------|-------------|-----------|-----------|
| TD-4000 | TD-4100N | TD-4410D | TD-4420DN | TD-4520DN | TD-4550DNWB | TD-4420TN | TD-4520TN |
| 4 Inch | | | | | | | |

Printing

| Print technology | Direct thermal | | | Thermal Transfer/ Direct Thermal | |
|-----------------------|--------------------|--|-----------|--|-----------|
| Print speed | 110mm/sec | 203mm/sec | 152mm/sec | 152mm/sec | 105mm/sec |
| Resolution | 300dpi | 203dpi | 300dpi | 203dpi | 300dpi |
| Max print width | 98.6mm | 104.1mm | 108.4mm | 108mm | 105.7mm |
| Min print length | 25.4mm | Continuous: 6.4 mm, Peeler: 12.7 mm, Cutter: 20 mm, Tear: 27 mm | | Peeler: 25.4 mm, Cutter: 25.4 mm Tear: 50 mm | |
| Max print length | 3000mm | | | 25,400mm | 11,430mm |
| 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) | | 204(w) x 280(d) x 177.5(h) | |
| Weight | 1.81kg | 1.83kg | 2.08kg | | 2.5kg | |
| Control panel | 3 button 1 LED | | 3 button 3 LED | | 7 button 3 LED | 1 button 1 LED with 3 colours |
| 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 | Windows 7/8/8.1/10, Windows Server 2008/2008R2/ 2012/2012R2/2016 OS X 10.10.x,10.11.x macOS 10.12.x, 10.13.x, 10.14.x Linux | |
| Supported commands | P-touch Template, ESC/P | | P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation | | FBPL-EZD (EPL, ZPL, ZPL II, DPL) emulation | |

TD-4D Accessories and consumable supplies

Brother has designed and engineered a wide range of accessories to help customise the 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 |



TD-4T Accessories

and consumable supplies

TD-4T Additional Options

PA-LP-003

TD-4T series only
Label Peeler*

TD-4420TN
TD-4520TN



PA-CU-002

TD-4T series only
Full & Partial Cutter*

TD-4420TN
TD-4520TN



PA-RH-001

TD-4T series only
External Roll Holder

TD-4420TN
TD-4520TN



* Dealer option

TD-4T Consumables

| TD-4T Rolls | Size | Quantity | Colour | Item No |
|-------------------------|---------------|------------|--------|-----------------|
| Uncoated die cut labels | 105mm x 74mm | 950 labels | White | TT-G105074-12LF |
| Uncoated die cut labels | 105mm x 148mm | 470 labels | White | TT-G105148-12LF |
| Coated die cut labels | 105mm x 74mm | 950 labels | White | TT-G105074-13LF |
| Coated die cut labels | 105mm x 148mm | 470 labels | White | TT-G105148-13LF |

| TD-4T Ribbons | Width | Length | Substrate compatibilities | Item No |
|--------------------|-------------------|--------|--|-----------------|
| Standard wax | 110mm / 4.33 inch | 300m | Coated/uncoated paper and tags, high gloss paper | 35-W110300-20FA |
| Premium wax | 110mm / 4.33 inch | 300m | Coated/uncoated paper and tags, high gloss paper, economy synthetics | 35-W110300-20FB |
| Standard wax/resin | 110mm / 4.33 inch | 300m | Coated/uncoated paper and tags, high gloss paper, economy synthetics | 35-S110300-20FC |
| Premium wax/resin | 110mm / 4.33 inch | 300m | Coated/uncoated paper and tags, high gloss paper, synthetics | 35-S110300-20FD |
| Standard resin | 110mm / 4.33 inch | 300m | Coated papers and tags, synthetics, textures | 35-R110300-20FE |
| Premium resin | 110mm / 4.33 inch | 300m | Economy and speciality synthetics | 35-R110300-20FF |

For additional consumable options please contact your local Brother office.





With label design apps for desktop PC's and mobile devices, and SDK's 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 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 as individual 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.

Mobile Deploy

Cloud-based app for mobile devices (iOS and Android™), which allows IT administrators to remotely update and configure multiple Brother mobile printers. Using Mobile Deploy, the administrator can easily upload new update packages to an online location, and then share the URLs with the users.

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 (SDK's)

Brother can also supply a selection of free of charge Software Development Kits 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

| Model No | TD-4000 | TD-4100N | TD-4410D | TD-4420DN | TD-4520DN | TD-4550DNWB | TD-4420TN | TD-4520TN |
|---------------------------------|---------|----------|----------|-----------|-----------|-------------|-----------|-----------|
| P-touch Editor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Mobile Deploy App | | | | | | ✓ | | |
| Brother Font Manager | | | ✓ | ✓ | ✓ | ✓ | | |
| Printer Settings Tool | | | ✓ | ✓ | ✓ | ✓ | | |
| Bartender Ultra Lite Edition | | | | | | | ✓ | ✓ |
| Brother Printer Management Tool | | | | | | | ✓ | ✓ |
| Crop Function (Windows Driver) | | | | | ✓ | ✓ | | |

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

The Range in detail

| | | | | | | | |
|---------------|----------|----------|-----------|-----------|-------------|-----------|-----------|
| TD-4000 | TD-4100N | TD-4410D | TD-4420DN | TD-4520DN | TD-4550DNWB | TD-4420TN | TD-4520TN |
| 4 Inch | | | | | | | |

Printing

| | | | | | | | |
|-----------------------|--------------------|---|---|-----------|--|-------------------------------------|--|
| Print technology | Direct thermal | | | | | Thermal Transfer/ Direct Thermal | |
| Print speed | 110mm/sec | 203mm/sec | 152mm/sec | 152mm/sec | 105mm/sec | | |
| Resolution | 300dpi | 203dpi | 300dpi | 203dpi | 300dpi | | |
| Max. print width | 98.6mm | 104.1mm | 108.4mm | 108mm | 105.7mm | | |
| Min. print length | 25.4mm | Continous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm | | | Peeler: 25.4mm, Cutter: 25.4mm Tear: 50mm | | |
| Max. print length | | 3000mm | | | 25,400mm | 11,430mm | |
| 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 & 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) | | | 0.06 - 0.19 mm (0.002 inch to 0.007 inch) | | |
| Media width | 19mm - 105.6mm (0.7 inch to 4.16 inch) | 19mm - 118.11 mm (0.75 inch to 4.65 inch) | | | 20 - 112mm (0.79 inch to 4.41 inch) | | |
| Media length | | 6.4mm - 3,000 mm (0.25 inch to 118.11 inch) | | | 5mm - Max. print length (0.20 inch to Max inch) | | |
| Diameter (Max) | 101.6mm (4 inch) | 127mm (5 inch) | | | 127mm (5 inch) | | |
| Core Diameter (Max) | 25.4mm (1inch) | 12.7mm (0.5 inch) | | | 25.4mm & 38.1mm (1.0 inch & 1.5 inch) | | |

Ribbon

| | | |
|----------------------------------|--|--|
| Types | | Wax, Wax/Resin, Resin |
| Wound type | | Outside wound |
| Ribbon width | | 40 - 110 mm (1.57 inch to 4.33 inch) |
| Suggested paper core width | | 0.5 inch paper core: fixed width 110mm, width 2 notches in each side 1inch paper core: fixed width 110mm with 2 notches in each side 1inch paper core: paper core width is the same as ribbon width and use with ribbon spindles |
| Inner paper core & ribbon length | | 0.5 inch paper core: Max. OD 40mm, 110m length 1inch paper core: Max. OD 67mm, 300m length |

Connectivity

| | | | | | | | | |
|-----------------------|-------------------------------------|---------------|--------------------------|-----|-----|--|-----|-----|
| USB | USB version 2.0 (full speed) Type B | | | | | | | |
| USB host capability | | | | | | Yes | Yes | Yes |
| Serial | RS232C | | Serial RS232C (DB9 male) | | | Serial RS232C (DB9 female) | | |
| Wired LAN | Not supported | 10/100BASE-TX | 10/100BASE-TX | | | 10/100BASE-TX | | |
| USB host port | | | | | | Yes | Yes | Yes |
| Bluetooth | | | | | | Version 4.2 | | |
| Bluetooth profile | | | | | | SPP, OPP, HCRP Bluetooth Classic, GATT (Bluetooth Low Energy) | | |
| Wireless LAN | | | | | | 802.11a/b/g/n | | |
| Wireless LAN security | | | | | | 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 | No | No |
| AirPrint | No | No | No | No | No | Yes | No | No |
| Wired LAN | No | Yes | No | Yes | Yes | Yes | Yes | Yes |

| | | | | | | | |
|---------------|----------|----------|-----------|-----------|-------------|-----------|-----------|
| TD-4000 | TD-4100N | TD-4410D | TD-4420DN | TD-4520DN | TD-4550DNWB | TD-4420TN | TD-4520TN |
| 4 Inch | | | | | | | |

General

| | | | | |
|---------------|----------------|----------------|----------------|-------------------------------|
| Control panel | 3 button 1 LED | 3 button 3 LED | 7 button 3 LED | 1 button 1 LED with 3 colours |
| LCD type | Mono | | | |

Power

| | | | | |
|---------|---------------------------------|--|--|--|
| Adapter | AC adapter (100 - 240V 50/60Hz) | | | AC adapter Input: AC 100-240V, 2.0A, 50-60Hz Output: DC24V, 2.5A, 60W, LPS |
|---------|---------------------------------|--|--|--|

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 | Windows 7/8/8.1/10, Windows Server 2008/2008R2/2012/2012R2/2016 OS X 10.10.x,10.11.x macOS 10.12.x,10.13.x,10.14.x Linux |
| Supported printer commands | P-touch Template, ESC/P | | P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation | | FBPL-EZD (EPL,ZPL,ZPL2,DPL) 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 | | Linear: Code128UCC, Code128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, 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, Code11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS 2-dimensional: GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417 |
| 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 | | 8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font |

Memory

| | | | | |
|-------|-----|------|-------|-------|
| RAM | 8MB | 16MB | 256MB | 64MB |
| Flash | 8MB | 8MB | 64MB | 128MB |

Environmental

| | | | |
|-----------------------|----------------------------|--|-------------------------|
| Operating temperature | Operate: 10°C to 35°C | Operate: 5°C to 40°C | Operate: 5°C to 40°C |
| Operating humidity | 20 - 80% (No condensation) | 20 - 85% (No condensation, Max wet bulb temperature: 27°C) | 25 - 85% non-condensing |
| Storage temperature | | -20°C to 60°C | -40°C to 60°C |
| Storage humidity | | 10 - 90% (No condensation) | 10 - 90% non-condensing |

Weights & Dimensions

| | | | |
|-----------------|--------------------------|--------------------------|--------------------------|
| Dimensions (mm) | 173(w) x 229(d) x 158(h) | 180(w) x 155(d) x 224(h) | 204(w) x 178(d) x 280(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 adaptor & cord, USB cable, documentations | AC adaptor & cord, USB cable, documentations. Pair of 1" Ribbon spindles for 300M ribbon 1" ribbon paper core |
|-----------------|--|--|--|

* Font licensee permissions are required.

brother

at your side

Contact:

www.brother.eu

Brother International Europe Ltd

Brother House, 1 Tame Street, Audenshaw,
Manchester M34 5JE

Tel: +44(0)161 330 6531

Fax: +44(0)161 330 5520