BRADY

i7500

Label printing completely reimagined

INDUSTRIAL LABEL PRINTER

Print the way you **NEVER THOUGHT POSSIBLE**

Zero waste. Zero hassle. Zero expertise required.

Introducing high-performance, high-volume, high-mix printing completely reimagined. The i7500 brings smart technology to 76mm core label printing, delivering elevated levels of output with zero waste. Powered by LabelSense™ Technology, the i7500 is loaded with intuitive features that eliminate tedious tasks for unprecedented ease of use. So many ways to print. So versatile that any situation calls for it. So easy that anyone can do it. The printing possibilities are truly endless with the i7500.

76mm core printing revolutionised

Smart technology and zero-waste printing equipped for 76mm core rolls.

High volume, zero waste

No more wasted time on calibration or trial and error. You'll always print on the very first label.

40-second changeovers

Change materials in just 40 seconds with faster ribbon removal and intuitive loading.

More intuitive. Less intimidating.

Automated features eliminate confusion, tedious tasks and the need to grab an expert.

UNMATCHED PRINTING POSSIBILITIES

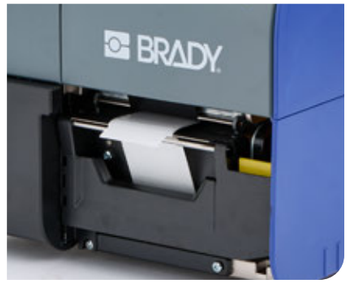
High-performance printing meets smart technology

With so many features doing the work for you, the i7500 is the modern way to create premium, professional grade labels. Save time with auto setup. Minimise waste with auto part recognition. And eliminate calibration with auto adjustments. Compatible with any method or material you choose, the i7500 is the total package.

HIGH-PERFORMANCE PRINTING

Volume performance

- Designed for high volumes
- High-speed processor
- Ideal for high-mix labelling



3 configurations

- Standard printing with tear-off
- Auto-cut with optional cutter accessory
- Peel function with internal rewind

300 and 600 dpi models

- Offers excellent precision
- Prints smaller fonts clearly
- Prints labels as small as 3.18mm
- Interchangeable printhead dpi with no firmware update

NEXT-LEVEL SMARTS

Powered by LabelSense™ Technology

Smart 76mm core format

- Smart printing with i75 Series 76mm core labels
- Smart printing with i75 Series ribbons
- Manual operation with non-i75 Series labels and ribbons

40-second changeovers

- No sensor adjustments
- No heat or speed adjustments
- Auto-center ribbons
- Faster, cleaner ribbon removal

No wasted labels

- Prints on the first label
- No label calibration required
- No trial and error, headaches or wasted labels
- One-click label setup using Brady Workstation

Learn more about the power of LabelSense on page 12.

HIGH PRECISION
Not high maintenance

Easily manage high-volume, high-mix printing with intuitive features that get you to the finish line faster.

Print queue
Print immediately or store jobs to print from the display later

Intuitive interface
Communicates installed part numbers, remaining supply, status, in-job navigation and label preview

Big 7" (17cm) colour touchscreen
Large icons are user-friendly and allow for faster navigation

4mm to 109mm label widths
Prints small labels for electronics and laboratories, as well as larger labels up to 109mm wide

Removable bi-fold cover
Reduces footprint on your workspace by 25% compared to most one-piece covers

Double-sided sleeve printing
External feed slot and print app enable two-pass printing with no wasted sleeves

Connectivity and ports
Three USB ports and Ethernet with optional I/O port and standard Wi-Fi/Bluetooth connection

ZPL* emulator with auto dpi conversion
Send ZPL scripts in 200, 300 or 600 dpi and the i7500 correctly sizes the label even if the installed printhead dpi is different than the script

*ZPL is a trademark owned by Zebra Technologies Corporation

Auto cutter*
Partially or fully cuts off material after a job, label, set or not at all

*optional accessory

i7500 PRINTER AUTO CUTTER CONFIGURATION

SUPER EASY
setup & start-up

The i7500 is designed with LabelSense™ Technology to enhance and automate features for changeovers a pit crew would be proud of.

Smart ribbon rolls
Printer detects and auto-centres i75 Series ribbons so ink is always facing the right way; and warns if not optimised for installed labels

Smart media rolls
All i75 Series rolls support LabelSense™ Technology that automatically adjusts for speed, size, heat, layout and approved ribbon/material pairings to eliminate trial and error, calibration and wasted materials

1-button ribbon removal
Collapsible spindle for faster, safer, cleaner removal of spent ribbon with no cardboard core required

Anti-wrinkle ribbon bar
Optimises cross-web ribbon tension for even tracking and wrinkle reduction

Auto-centring media flanges
Automatically centres 76mm core media rolls for precise centre-justified printing

Field-replaceable printhead with interchangeable dpi
Tool-less, user-replaceable printhead using a single-release pin and connectors

Motorised label optical sensor
Auto-detects installed material and sets sensor to correct mode and moves it to correct location

Auto-lifting head
Printhead automatically lifts after printing to eliminate pressure indentations and residual ribbon transfer lines

Easy-access feed path
Wide opening optimises light and line of sight to the print path sensor and guides when side-loading media

i7500 PRINTER STANDARD CONFIGURATION

LABEL CREATION
for how you work best

Revolutionise the way you create labels with this powerful printer, specifically designed with software to make your printing experience seamlessly simple. Hassle-free labelling with no waste, lightning-fast changeovers and a non-intimidating interface anyone can master — all with Brady's world class label materials.

Easy to use
With features like auto detection and auto label setup, all you have to do is type and print.

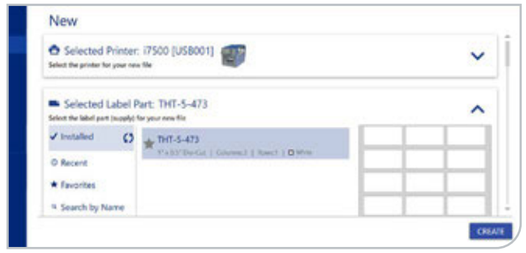
Driverless operation
No more print drivers to install and manage. Driverless printing keeps work moving smoothly and efficiently.

One-click label setup
Hit 'print' faster with automated features that streamline the entire label creation process.

A full suite of applications
A comprehensive collection of apps and suites, each tailored to specific identification tasks throughout your facility.

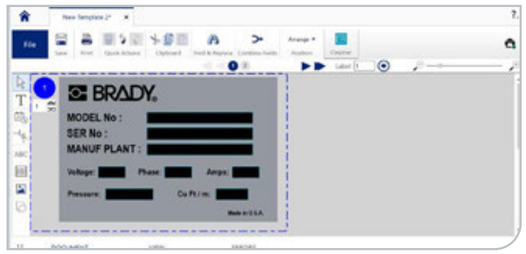
Brady Workstation Labelling Software

Get everything you need to create the right label fast.



Auto detection
No more scrolling through a long list of materials, your part number is automatically recognised.

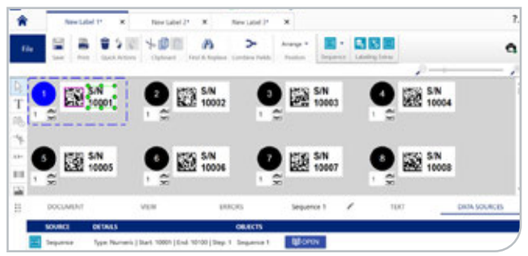
Auto setup
Automatic recognition of label dimensions and labels per row means you can type and print without the need for time-consuming adjustments.



Customisable templates
Create templates with locked or editable elements for consistent label creation.

No driver installation needed
Specify heat, speed and other label properties right from the software (and not a driver).

Data importing
Easily import data from Excel and beyond right onto your labels.



Sequencing
Create labels based on numeric and alphanumeric sequences.

Possibilities powered by **LabelSense**

Maximise your printing potential with Brady

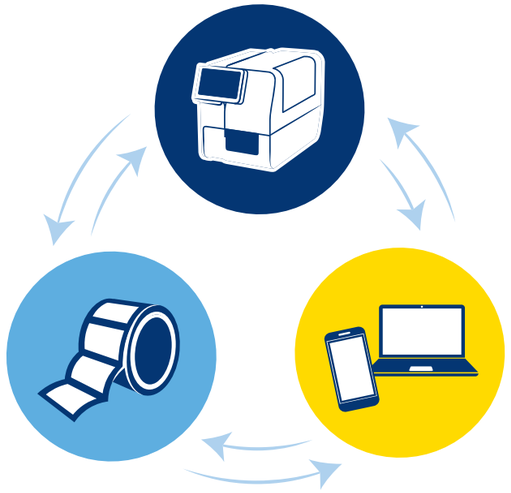
Welcome to a printing experience you never thought was possible, powered by Brady's exclusive LabelSense™ Technology. Our bi-directional communication system enables the printer, materials and Brady software to "talk" to each other to power many innovative, enhanced and automatic features you only get from Brady.

Save time. Eliminate tasks. Reduce waste. You've never seen anything like this before.

INNOVATIVE PRINTING PERFORMANCE

Smart functionality meets mechanical cleverness

Designed to deliver easy, fast, no-waste printing and eliminate all the confusion and time-consuming tasks.



OPTIMISED BRADY MATERIALS

For a faster, easier labelling experience

LabelSense powered materials are pretested to remove all the guesswork, ensuring premium print quality on the first label, on the first try.

LABEL CREATION SOFTWARE

Everything to create the right label fast

Driverless Brady software auto detects LabelSense powered materials for one-click label setup — just type and print.

No more pain points.

No printer compares.

Welcome to the way label making is supposed to be.

- No wasted labels
- No heat adjustment
- No speed adjustment
- No sensor location adjustment
- No sensor mode selection
- No need for trial and error printing
- No label calibration
- No loading wrong ribbon for installed label
- No drivers to install
- No complications
- No frustration
- No expert required

PRINTER CONFIGURATIONS

i7500 STANDARD

For day-to-day precision printing on 76mm core rolls of labels, tags and continuous media. Media is torn off with included Standard Model Tear Bar Plate. The 600 dpi model is ideal for smaller fonts and barcodes, including 2D codes. Optional auto cutter accessories available.

Art. No.	Order Reference	Description
177739	i7500-300-EU	i7500 Industrial Label Printer 300dpi - EU
323185	i7500-300-EU-BWS	i7500 Industrial Label Printer 300dpi - EU + Brady Workstation Suite*
323175	i7500-300-UK	i7500 Industrial Label Printer 300dpi - UK
323186	i7500-300-UK-BWS	i7500 Industrial Label Printer 300dpi - UK + Brady Workstation Suite*
323176	i7500-300-US	i7500 Industrial Label Printer 300dpi - US
323187	i7500-300-US-BWS	i7500 Industrial Label Printer 300dpi - US + Brady Workstation Suite*
177742	i7500-600-EU	i7500 Industrial Label Printer 600dpi - EU
323333	i7500-600-EU-BWS	i7500 Industrial Label Printer 600dpi - EU + Brady Workstation Suite*
323327	i7500-600-UK	i7500 Industrial Label Printer 600dpi - UK
323334	i7500-600-UK-BWS	i7500 Industrial Label Printer 600dpi - UK + Brady Workstation Suite*
323328	i7500-600-US	i7500 Industrial Label Printer 600dpi - US
323335	i7500-600-US-BWS	i7500 Industrial Label Printer 600dpi - US + Brady Workstation Suite*

i7500 AUTO CUTTER

Ideal for printing thick and difficult-to-tear materials such as PermaSleeve® markers, cable tags and other non-adhesive and linerless material stocks. Provides full cut-through of printed media and can be set to cut at end of job, after each label row, after a label set or to not cut at all. Comes installed with a Heavy Duty Guillotine Auto Cutter (#177724). Ships with metal Cut Label Tray (#177732).

Art. No.	Order Reference	Description
177741	i7500-300-C-EU	i7500 Industrial Label Printer 300dpi - EU with Auto cutter
323188	i7500-300-C-EU-BWS	i7500 Industrial Label Printer 300dpi - EU with Auto cutter + Brady Workstation Suite*
323177	i7500-300-C-UK	i7500 Industrial Label Printer 300dpi - UK with Auto cutter
323189	i7500-300-C-UK-BWS	i7500 Industrial Label Printer 300dpi - UK with Auto cutter + Brady Workstation Suite*
323178	i7500-300-C-US	i7500 Industrial Label Printer 300dpi - US with Auto cutter
323190	i7500-300-C-US-BWS	i7500 Industrial Label Printer 300dpi - US with Auto cutter + Brady Workstation Suite*
177744	i7500-600-C-EU	i7500 Industrial Label Printer 600dpi - EU with Auto cutter
323336	i7500-600-C-EU-BWS	i7500 Industrial Label Printer 600dpi - EU with Auto cutter + Brady Workstation Suite*
323329	i7500-600-C-UK	i7500 Industrial Label Printer 600dpi - UK with Auto cutter
323337	i7500-600-C-UK-BWS	i7500 Industrial Label Printer 600dpi - UK with Auto cutter + Brady Workstation Suite*
323330	i7500-600-C-US	i7500 Industrial Label Printer 600dpi - US with Auto cutter
323338	i7500-600-C-US-BWS	i7500 Industrial Label Printer 600dpi - US with Auto cutter + Brady Workstation Suite*

i7500 PEEL

Printed labels can be partially peeled off the liner, internally rewound onto a 38mm core, or printed with no peel or rewind. In peel mode, the next label is triggered manually, but can be automated with optional Label Taken Sensor (#177726). If non-peel printing is desired, a special Peel Model Tear Plate can be installed. Ships with smooth-edge peel bar plate (installed), peel tear plate, rewind guide plate and 38mm internal rewind takeup core. Not compatible with cutter accessories.

Art. No.	Order Reference	Description
177740	i7500-300-P-EU	i7500 Industrial Label Printer 300dpi - EU with Peel function
323191	i7500-300-P-EU-BWS	i7500 Industrial Label Printer 300dpi - EU with Peel function + Brady Workstation Suite*
323179	i7500-300-P-UK	i7500 Industrial Label Printer 300dpi - UK with Peel function
323192	i7500-300-P-UK-BWS	i7500 Industrial Label Printer 300dpi - UK with Peel function + Brady Workstation Suite*
323180	i7500-300-P-US	i7500 Industrial Label Printer 300dpi - US with Peel function
323193	i7500-300-P-US-BWS	i7500 Industrial Label Printer 300dpi - US with Peel function + Brady Workstation Suite*
177743	i7500-600-P-EU	i7500 Industrial Label Printer 600dpi - EU with Peel function
323343	i7500-600-P-EU-BWS	i7500 Industrial Label Printer 600dpi - EU with Peel function + Brady Workstation Suite*
323339	i7500-600-P-UK	i7500 Industrial Label Printer 600dpi - UK with Peel function
323344	i7500-600-P-UK-BWS	i7500 Industrial Label Printer 600dpi - UK with Peel function + Brady Workstation Suite*
323340	i7500-600-P-US	i7500 Industrial Label Printer 600dpi - US with Peel function
323345	i7500-600-P-US-BWS	i7500 Industrial Label Printer 600dpi - US with Peel function + Brady Workstation Suite*

All i7500 Label Printer configurations come in a cardboard box and ship with a T-20 wrench, power cord, USB cable, a stylus and QuickStart Guide.

All printer configurations include the Brady Workstation Essentials software. *Configurations with 'BWS' in the order reference include the extended Brady Workstation Pro license.

Click or scan for more information about Brady Workstation Software ▶

ACCESSORIES

Art. No.	Order Reference	Description
177724	i7500-ACG-TRAY	i7500 Heavy Duty Guillotine Auto Cutter
177726	i7500-LABEL-SENSOR	i7500 Label taken sensor
177722	i7500-PH-300D	i7500 Replacement Printhead 300 dpi
177723	i7500-PH-600D	i7500 Replacement Printhead 600 dpi
133251	PCK-6	Printer Cleaning Kit, Thermal Transfer Printers
149565	STYLUS-CAP	Stylus for Capacitive displays

REPLACEMENT PRINT ROLLERS

Extend the life of your printhead and optimise print quality with replacement print rollers, available in full width or narrow sizes. When using narrow rollers, always ensure the roller is wider than the label media, and the ribbon is also wider than the roller.

Art. No.	Order Reference	Description
177737	i7500-PR-Roll-25	i7500 Print Roller 25 mm
177736	i7500-PR-Roll-50	i7500 Print Roller 50 mm
177735	i7500-PR-ROLL-80	i7500 Print Roller 80 mm
177734	i7500-PR-ROLL-114	i7500 Print Roller 114 mm

SPARE MEDIA PLATES & OTHER ACCESSORIES

Art. No.	Order Reference	Description
177727	i7500-INT-RE-TAKUP	i7500 38 mm Internal rewind takeup core
177728	i7500-INT-RE-GUIDE	i7500 Internal rewind guide plate
177729	i7500-TEARPL-STD	i7500 Tear plate for standard configuration
177730	i7500-TEARPL-PEEL	i7500 Tear plate for peel configuration
177731	i7500-PEEL-PLATE	i7500 Peel plate
177732	i7500-CUTTER-TRAY	i7500 Cutter Tray
177738	i7500-T-WRENCH	I7500 Spare T-Wrench accessory

PRINT RIBBONS
without the wrangling

No more trial and error while you fumble with ribbons. LabelSense™ Technology offers enhanced features like faster media loading and automatic calibration for the easiest ribbon loading experience ever.

Easier, safer ribbon changes

Ribbon installation is impossible to mess up. Brady smart ribbons are designed to automatically centre with correct ink orientation so you can load ribbons like a pro. Blade-free ribbon removal makes changes quick and easy.

Hassle-free ribbon installation

- Tough, smear-proof ribbons produce long-lasting printed text and can withstand years in industrial areas and outdoor conditions
- The ribbon always centres with the ink facing the right direction
- Printer notifies user if installed ribbon is not recommended for installed labels

Single-Colour Print Ribbons

Art. No.	Order Reference	Colour	Formulation	Width (mm)	Length (m)
R4300 Series: resistant to smears and chemicals, excellent barcode read rates					
176746	i75-R4306	Black	Wax/Resin	40.00	300.00
176747	i75-R4302	Black	Wax/Resin	60.00	300.00
176748	i75-R4300	Black	Wax/Resin	83.00	300.00
176749	i75-R4307	Black	Wax/Resin	110.00	300.00
R4400 Series: resistant to solvents, scratches and heat					
176777	i75-R4400-WT	White	Resin	60.00	300.00
176778	i75-R4402-WT	White	Resin	83.00	300.00
176779	i75-R4407-WT	White	Resin	110.00	300.00
176780	i75-R4400-RD	Red	Resin	60.00	300.00
176781	i75-R4402-RD	Red	Resin	83.00	300.00
176782	i75-R4407-RD	Red	Resin	110.00	300.00
176783	i75-R4400-BL	Blue	Resin	60.00	300.00
176784	i75-R4402-BL	Blue	Resin	83.00	300.00
176785	i75-R4407-BL	Blue	Resin	110.00	300.00
176786	i75-R4400-GR	Green	Resin	60.00	300.00
176787	i75-R4402-GR	Green	Resin	83.00	300.00
R4500 Series: resistant to smears, excellent barcode read rates					
176789	i75-R4500-RD	Red	Wax/Resin	60.00	300.00
176790	i75-R4507-RD	Red	Wax/Resin	110.00	300.00
176791	i75-R4500-BL	Blue	Wax/Resin	60.00	300.00
176792	i75-R4507-BL	Blue	Wax/Resin	110.00	300.00
176793	i75-R4502-SV	Silver	Wax/Resin	83.00	300.00
R4900 Series: resistant to solvents, smears, scratches and heat					
176750	i75-R4902	Black	Resin	60.00	300.00
176751	i75-R4900	Black	Resin	83.00	300.00
R6000 Series: resistant to solvents, heat and scratches					
176752	i75-R6006	Black	Resin	40.00	300.00
176753	i75-R6000	Black	Resin	60.00	300.00
176754	i75-R6002	Black	Resin	83.00	300.00
176755	i75-R6007	Black	Resin	110.00	300.00
R6200 Series: resistant to abrasion, chemicals and heat					
176759	i75-R6206	Black	Resin	40.00	300.00
176760	i75-R6200	Black	Resin	60.00	300.00
176761	i75-R6202	Black	Resin	83.00	300.00
176762	i75-R6207	Black	Resin	110.00	300.00
R6300 Series: resistant to solvents, scratches and heat					
176832	i75-R6306	Black	Resin	40.00	300.00
176833	i75-R6300	Black	Resin	60.00	300.00
176834	i75-R6302	Black	Resin	83.00	300.00
176835	i75-R6307	Black	Resin	110.00	300.00
R6400 Series: resistant to solvents, scratches and heat					
176763	i75-R6406	Black	Resin	40.00	300.00
176764	i75-R6400	Black	Resin	60.00	300.00
176765	i75-R6402	Black	Resin	83.00	300.00
176766	i75-R6407	Black	Resin	110.00	300.00

The coloured ribbons are optimised for use on approved white material.
Test use on other material colours for suitability to your application.

Art. No.	Order Reference	Colour	Formulation	Width (mm)	Length (m)
R6600 Series: resistant to diesel					
176767	i75-R6606	Black	Resin	40.00	300.00
176768	i75-R6600	Black	Resin	60.00	300.00
176769	i75-R6602	Black	Resin	83.00	300.00
176770	i75-R6607	Black	Resin	110.00	300.00
R6700 Series: resistant to chemicals, scratches and smudges					
176771	i75-R6700-WT	White	Wax/Resin	60.00	300.00
176772	i75-R6702-WT	White	Wax/Resin	83.00	300.00
176773	i75-R6707-WT	White	Wax/Resin	110.00	300.00
R6800 Series: resistant to heat					
176774	i75-R6800-WT	White	Resin	60.00	300.00
176775	i75-R6802-WT	White	Resin	83.00	300.00
176776	i75-R6807-WT	White	Resin	110.00	300.00
R7950 Series: strong environmental resistance against smearing and chemicals					
322732	i75-R7950-40X300	Black	Wax/Resin	40.00	300.00
322733	i75-R7950-60X300	Black	Wax/Resin	60.00	300.00
322734	i75-R7950-110X300	Black	Wax/Resin	110.00	300.00
R7961 Series: when printed on the appropriate Brady label, gives excellent scratch and good chemical resistance					
322738	i75-R7961-60X300	Black	Resin	60.00	300.00
322739	i75-R7961-110X300	Black	Resin	110.00	300.00
R7962 Series : high performance resin ribbon with high smear and scratch resistance and excellent solvent and gas fuel resistance					
322740	i75-R7962-110X300	Black	Resin	110.00	300.00

If you've switched from the Brady i7100, PR+ or other manual printer model to the i7500 smart printer, use the conversion chart to see the equivalent i75-Series ribbon part for each Manual-Series 25mm core ribbon part.

Print ribbon & label material compatibility

To ensure the best legend permanence, all ribbons have been developed to meet the requirements of the materials to be printed on. Use the guide below to determine which ribbon series is recommended with your print materials.

●	Recommended ribbon for use with respective material.
▲	Acceptable ribbon for use with respective material.
UL	Materials are UL recognized with its respective ribbon.
CSA	Materials are CSA approved with its respective ribbon.
cU	Materials are cUL recognised with its respective ribbon.

Material		i75-R4300 Series	i75-R4400 Series	i75-R4500 Series	i75-R4900 Series	i75-R6000 Series	i75-R6200 Series	i75-R6300 Series	i75-R6400 Series	i75-R6600 Series	i75-R6700 Series	i75-R6800 Series	i75-R7940 Series	i75-R7950 Series	i75-R7960 Series
Colour															
B-109	Polyethylene	●					●							●	▲
B-338	Polyvinylidene Fluoride					●									
B-342	Heat-shrink Polyolefin	●									●			●	
B-342 BLK	Heat-shrink Polyolefin			●											
B-345	High Temperature Heat-shrink Polyvinylidene Fluoride Sleeve					●					▲				
B-345 BLK	High Temperature Heat-shrink Polyvinylidene Fluoride Sleeve		●									●			
B-348	Polyolefin					● UL									
B-350	Water-indicating Polyester/Paper Laminate			▲	● UL	▲									
B-362	Tamper-resistant Metallised Vinyl			▲		● UL									
B-403	Paper	●													
B-408	Repositionable Paper	●													
B-412	Polypropylene	▲					●							▲	●
B-413	Metallic, Non-metal Polyester				▲	● cU/UL	▲ cU								▲
B-417	Self-laminating Vinyl	● UL			▲		▲ UL								
B-422	Polyester			●	▲ UL	● UL/CSA									▲
B-423	Polyester			●	▲ UL	● UL/CSA	▲								▲
B-424	Paper	●				▲								●	
B-425A	Polypropylene	● UL/CSA				●			● UL/CSA		● UL/CSA			●	▲ UL/CSA
B-427	Self-laminating Vinyl	● UL				▲			▲					●	▲
B-428	Metallised Polyester	● UL/CSA					▲ CSA							● UL	▲
B-430	Polyester		▲	▲	▲ UL	● UL/CSA	▲								▲
B-432	Polyester		▲	▲	▲ UL	● UL/CSA	▲								▲
B-434A	Metallised Polyester				● UL/CSA	● UL/CSA									
B-435A	Metallised Polyester				▲ UL	● UL/CSA									
B-437	Polyvinylfluoride	●					●							● UL	▲
B-438	Tamper-evident Metallised Polyester	● UL/CSA		▲										● UL/CSA	
B-439	Vinyl				▲	▲	●								
B-449	Polypropylene	▲		▲			●							▲	▲
B-461	Self-laminating Polyester	●			▲		▲								
B-472	Polyimide	●					●								
B-473	Static Dissipative Polyester				▲ UL	● UL/CSA									
B-480A	Metallic, Non-metal Polyester			●	▲	● cU/UL	▲ UL								▲
B-481	StainerBondz™ Polyester									●					
B-483A	Polyester			▲	▲ UL	● UL/CSA									
B-484A	Polyester			▲	▲ UL	● UL									
B-486B	Metallised Polyester	● UL/CSA					▲ CSA							●	▲
B-488	Polyester	● UL/CSA					▲ UL/CSA							●	▲
B-489A	Polyester	● UL/CSA					▲ UL/CSA							●	▲
B-490	FreezerBondz™ Polyester	●					▲			●					
B-492	FreezerBondz™ Polyester	▲								●					
B-494	Polyester									●					
B-498	Vinyl Cloth	▲				▲	● UL							▲	▲

For further material compatibility related to UL/CSA, see pages 21-26 or refer to Brady Tech Data Sheet for complete material performance specifications.

Print ribbon & label material compatibility

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UL	Materials are UL recognized with its respective ribbon.
CSA	Materials are CSA approved with its respective ribbon.
cU	Materials are cUL recognised with its respective ribbon.

Material		i75-R4300 Series	i75-R4400 Series	i75-R4500 Series	i75-R4900 Series	i75-R6000 Series	i75-R6200 Series	i75-R6300 Series	i75-R6400 Series	i75-R6600 Series	i75-R6700 Series	i75-R6800 Series	i75-R7940 Series	i75-R7950 Series	i75-R7960 Series
Colour															
B-499	Nylon Cloth	▲ UL/CSA				▲	● UL/CSA	▲ UL	▲					▲ UL/CSA	▲
B-508	Nomex®	●												●	▲
B-533	Polyester			▲			●	●	▲						
B-618	Polyester						● UL	● UL							
B-711	Polyester		●	●			●	●							
B-712	Polyester		●	●			●	●							
B-719	Polyimide							● UL							
B-724	Polyimide	●		●										●	
B-728	Polyimide							● UL							
B-729	Polyimide							● UL							
B-7351	Tamper-resistant Vinyl							●							
B-7423	Polyester							●							▲
B-7425	Polypropylene	▲		▲					▲	●				●	▲
B-7546	Tamper-evident Polyester						●	● UL/CSA							
B-7566	Tamper-evident Polyester			●				●							
B-7576	Tamper-evident Metallised Polyester			▲				● UL							
B-7593	Polyethylene Foam Laminate Polyester		● UL					● UL							
B-7598	Polyester		●					● UL							
B-7599	Polyethylene	●												●	▲
B-7600	Polypropylene														
B-7610	Paper	●											▲	●	
B-7641	Heat-shrink Polyolefin	●						●		●					
B-7641 BLK	Heat-shrink Polyolefin										●				
B-7642	Heat-shrink Polyolefin	●							●	●					
B-7642 BLK	Heat-shrink Polyolefin										●				
B-7643	Thermoplastic Polyether Polyurethane					▲	●								
B-7646	Diesel-resistant Heat-shrink Polyolefin									●					
B-767	Static Dissipative Polyimide					▲ UL		● UL							
B-768	Static Dissipative Polyimide					▲ UL		● UL							
B-7696	Vinyl					●									
B-7697	Polyester														
B-7727	Polyimide														
B-776	Polyimide					● UL									
B-777	Polyimide							● UL							
B-7797	Polyimide					▲ UL		● UL							
B-797	Polyimide					▲ UL		● UL							
B-8117	Polyester		▲ UL									●			
B-8423	Polyester		▲			▲ UL	● UL/CSA								
B-8591	Polymer					● UL			● UL						
B-8591 BLK	Polymer		● UL												
B-8591 SLV	Polymer					● UL			● UL						

For further material compatibility related to UL/CSA, see pages 21-26 or refer to Brady Tech Data Sheet for complete material performance specifications.

LABEL MATERIALS

BRADY Label Sense TECHNOLOGY

Automatically detected
Materials are recognised in seconds

Automatically calibrated
The very first label is usable

Optimum performance
Print with confidence on labels designed for durability

Get custom labels
Need a special size, colour or shape? Contact a Brady representative to learn more.

Materials for every application

Successful projects start (and end) with Brady materials.

Scan or click for technical material properties

Material		Finish	Colour	Temp (°C) (Tested for 30 days) Min.	Max.	Properties & Applications	Approval/Compliance
B-109	Polyethylene	Matt	White	-40 °C	49 °C	White polyethylene tag material with matt finish. Excellent multi-purpose tag for identifying multiconductor cables, inventory, safety warning repair and work-in-processing manufacturing. Good weatherability, humidity resistance and legibility after solvent exposure.	
B-338	Polyvinylidene Fluoride	Matt	White	-55 °C	200 °C	The high performance B-338 non-adhesive cable tag identifies thick cables and cable bundles in high-temperature environments. They are tear resistant and designed for use in a variety of harsh environments, ideal for use in the aerospace, satellite and defense industries.	
B-342	Heat-shrink Polyolefin	Matt	White	-55 °C	130.6 °C	3:1 ratio heat shrinkable wire marking sleeve that fits snugly around wires for identification and protection. Fade-resistant and flame retardant. Also available in yellow and black.	UL Recognised to UL224, SAE-AMS-DTL-23053/5 C (Class 1), SAE AS-81531
B-345	High Temperature Heat-shrink Polyvinylidene Fluoride Sleeve	Matt	White	-70 °C	130.6 °C	2:1 ratio heat shrinkable wire marking sleeve specifically designed for high temperature and low vacuum outgassing applications. These heat shrinkable wire marking sleeves are made from irradiated high temperature PVDF. Also available in black.	NASA SP-R-0022A Outgassing Performance, SAE-AMS-DTL-23053/18 (Class 2), SAE AS-81531, MIL-STD-202G Method 215K
B-348	Polyolefin	Matt	White	-55 °C	105 °C	Mass Transit Tag complies with minimal smoke and halogen emission requirements of the most strict underground norms for mass transit vehicles. The tag is a practical solution for mass transit manufacturers to identify thick cables and cable bundles.	EN-45545-2, requirement 24, Vehicle Category HL3
B-350	Water-indicating Polyester/Paper Laminate	Gloss	White	-70 °C	90 °C	Provides clear evidence of exposure to water for controlling invalid warranty claims, failure analysis or troubleshooting.	UL Recognised
B-362	Tamper-resistant Metallised Vinyl	Gloss	Silver	-70 °C	80 °C	Designed to fracture easily in order to show signs of product tampering and to prevent one-piece label removal. Use caution when removing from liner as material is fragile.	
B-403	Paper	Matt	Black on White	-70 °C	100 °C	White dissolvable paper. Dissolves completely in water leaving no adhesive residue, ideal for temporary labelling applications	
B-408	Repositionable Paper	Matt	White		70 °C	General purpose paper material for thermal transfer printing. White with matt finish and removable adhesive. Can be repositioned or removed.	
B-412	Polypropylene	Matt	White	-40 °C	100 °C	White polypropylene tag material with matt finish. Offers high print legibility and high tensile strength.	
B-413	Metallic, Non-metal Polyester	Satin	Light Grey	-70 °C	110 °C	Thermal transfer printable polyester material with metallic-looking finish (non-metallised). Ideal for barcoded asset tracking and rating plate applications.	UL Recognised, cUL Recognised
B-417	Self-laminating Vinyl	Matt	White, Transparent	-40 °C	70 °C	Keep your wire identification secure with this self-laminating marker with extra-strong adhesive. The extra-strong adhesive makes these markers ideal for small-diameter wires. Features a white printable area and a clear tail that wraps around the marker.	UL Recognised to UL969 Labelling and Marking Standard when printed with the Brady Series R4300 and R7950 ribbons. See UL files MH62024 for specific details. Brady customers should specify at purchase if they require UL Recognised B-417 labels. Brady sells both UL Recognised B-417 labels and non-approved labels depending on customer requirements
B-422	Polyester	Gloss	White	-40 °C	100 °C	Designed to withstand solvent exposure. Used for component identification, barcoding, asset and inventory tracking.	UL Recognised, CSA Accepted
B-423	Polyester	Gloss	White	-70 °C	110 °C	Widely used for component identification, barcoding, asset and inventory tracking.	UL Recognised, CSA Accepted, Halogen Free (DIN VDE 0472/part 815) Approvals are for White material only
B-423 / B-966B	Polyester with Polyester Overlaminate	Gloss	White	-70 °C	110 °C	A White polyester label that comes with a separate overlaminate to be applied over the label once printed. This way the label remains clear and easy-to-read, even in harsh environments. Overlaminate is a clear polyester (B-966B) that extends outside of label on each side when applied.	
B-424	Paper	Matt	White	-40 °C	50 °C	White paper material with matt finish and smooth top coat finish for thermal transfer printing. Good contrast and smear resistance for thermal barcode printing. Used for general purpose labelling applications	

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For further ribbon compatibility related to UL / CSA, see pages 18-19 and refer to Brady Tech Data Sheet for complete material performance specifications.

Material		Finish	Colour	Temp (°C) (Tested for 30 days) Min.	Max.	Properties & Applications	Approval/Compliance
B-425A	Polypropylene	Matt	White	-70 °C	80 °C	White polypropylene material stock with matt finish for thermal transfer printing or write-on applications. Excellent solvent resistance and print performance; not recommended for long-term outdoor use.	UL Recognised, CSA Accepted, Halogen Free (DIN VDE 0472/part 815)
B-427	Self-laminating Vinyl	Matt	White, Transparent	-40 °C	60 °C	Thermal transfer printable, self-laminating material. These labels have a printable area with a clear "tail" that wraps around the marker. The "tail" serves as overlaminate to protect the print. Superior resistance to abrasion, solvents, water, oil and dirt. Also available in grey, brown, green, yellow, blue, red, purple, orange.	UL Recognised to UL969 Labelling and Marking Standard when printed with the Brady Series R4300 and R6200 ribbons. See UL files MH17154 for specific details. Brady customers should specify at purchase if they require UL Recognised B-427 labels. Brady sells both UL Recognised B-427 labels and non-approved labels depending on customer requirements.
B-428	Metallised Polyester	Matt	Light Grey	-70 °C	120 °C	Thermal transfer printable metallised polyester with matt finish. Withstands solvents and variable temperatures. Excellent for serial and rating plate applications with name-plate quality and a metal-looking finish.	UL Recognised, CSA Accepted, AGA Approved, Halogen Free (DIN VDE 0472/part 815)
B-428 / B-966B	Metallised Polyester with Polyester Overlaminate	Gloss	Light Grey	-70 °C	120 °C	A Metallised polyester label that comes with a separate overlaminate to be applied over the label once printed. This way the label remains clear and easy-to-read, even in harsh environments. Overlaminate is a clear polyester (B-966B) that extends outside of label on each side when applied.	
B-430	Polyester	Gloss	Transparent	-70 °C	100 °C	Translucent, high performance polyester material with a glossy finish. Thermal transfer printable.	UL Recognised, CSA Accepted
B-432	Polyester	Gloss	Transparent	-40 °C	100 °C	Translucent, high performance polyester material with a glossy finish. Thermal transfer printable. Very similar to B-430, but has a thicker layer of acrylic adhesive for better adherence to rough surface applications.	UL Recognised, CSA Accepted
B-434A	Metallised Polyester	Gloss	Silver	-40 °C	90 °C	Metallised polyester with a glossy finish and a thicker layer of adhesive for better adherence to rough surface applications. Withstands numerous solvents while maintaining excellent image quality.	UL Recognised, CSA Accepted
B-435A	Metallised Polyester	Gloss	Silver	-40 °C	90 °C	Printable metallised polyester withstands numerous solvents and variable temperatures. Ideal for serial and rating plate applications with name-plate quality and a metal looking finish.	UL Recognised, CSA Accepted
B-437	Polyvinylfluoride	Matt	White	-70 °C	135 °C	Polyvinylfluoride label material with matt finish. Used in wire and cable identification applications where self-extinguishing features are required. This label material utilises an adhesive for heavy-duty applications and is available in continuous or die-cut formats. Excellent resistance to water, oil and other common fluids. Also available in yellow.	MIL-M-87958 Pressure Sensitive Adhesive Wire or Cable Marker and Identification specification
B-438	Tamper-evident Metallised Polyester	Matt	Silver	-40 °C	40 °C	Metallised polyester material with matt finish. Leaves a checkerboard footprint on the surface when removed; the pattern also appears on the top of the label to prevent it from being reused.	UL Recognised, CSA Accepted
B-439	Vinyl	Gloss	Green	-70 °C	40 °C	Available in Blue, Green, Orange, Red, White and Yellow	
B-449	Polypropylene	Matt	White	-70 °C	90 °C	Ideal for temporary labelling applications. Removable from flat surfaces; write-on capabilities; Tested 3 cycles of 1 hour in 121°C at 15 psi for autoclave process.	
B-461	Self-laminating Polyester	Matt	White, Transparent	-196 °C	110 °C	Permanent adhesive; suitable for liquid nitrogen application if material is wrapped around itself, as in self-lamination; write-on capabilities. Temperature range increases to 121°C when used in autoclave process	
B-472	Polyimide	Matt	White	-70 °C	100 °C	Cable and wire bundle applications and label applications where self-extinguishing properties are required	
B-473	Static Dissipative Polyester	Gloss	White	-40 °C	120 °C	This material is constructed with a static dissipative adhesive, it is designed for printed circuit board and electronic component post-process labelling.	UL Recognised, CSA Accepted, Meets surface resistivity values in the recommended range for dissipative ESD packaging materials as defined by ANSI/ESD S541-2008 (between 10 and 10 ohms)
B-480A	Metallic, Non-metal Polyester	Satin	Silver	-70 °C	110 °C	Thermal transfer printable polyester material with metallic-looking finish (non-metallised) and aggressive adhesive for powder coats or rough surface applications. Ideal for barcoded asset tracking and rating plate applications.	UL Recognised, cUL Recognised
B-481	StainerBondz™ Polyester	Matt	White	-80 °C	130 °C	White polyester will remain resistant when exposed to xylene and other chemicals that are commonly used in the slide staining process	

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For further ribbon compatibility related to UL / CSA, see pages 18-19 and refer to Brady Tech Data Sheet for complete material performance specifications.

Material		Finish	Colour	Temp (°C) (Tested for 30 days) Min.	Max.	Properties & Applications	Approval/Compliance
B-483A	Polyester	Gloss	White	-40 °C	120 °C	White polyester thermal transfer printable material with glossy finish and aggressive adhesive specifically designed for powder coated surfaces.	UL Recognised, CSA Accepted
B-484A	Polyester	Gloss	White	-40 °C	120 °C	White polyester thermal transfer printable material, similar to B-483, but with thinner construction for curved or angled surfaces. Offers aggressive adhesive for adhesion to textured metals and low surface energy plastics.	UL Recognised
B-486B	Metallised Polyester	Matt	Light Grey	-40 °C	120 °C	Metallised polyester thermal transfer printable material, ideal for indoor product labelling, asset tracking and general ID on very rough surfaces.	UL Recognised, CSA Accepted
B-488	Polyester	Matt	White	-40 °C	145 °C	White polyester thermal transfer printable material, similar to B-423, but with matt finish. Widely used for component identification, barcoding, asset and inventory tracking.	
B-489A	Polyester	Matt	White	-40 °C	120 °C	White polyester thermal transfer printable material, similar to B-483, but with matt finish. Agressive adhesive specifically designed for powder coated surfaces.	UL Recognised, CSA Accepted
B-490	FreezerBondz™ Polyester	Matt	White	-196 °C	130 °C	Can be applied to frozen surfaces including glass and polypropylene stored in liquid nitrogen, except for Vial Tops. Material must slightly overlap itself.	
B-492	FreezerBondz™ Polyester	Matt	White	-196 °C	110 °C	Ultra thin; can label frosted/frozen (with overlap) or room temperature labels and lasts in liquid nitrogen and hot water baths	
B-494	Polyester	Gloss	White, Yellow	-196 °C	70 °C	Our B-494 polyester label is a reliable sample identification and traceability solution. The label will stay attached and remain legible, even when exposed to chemicals or stored in liquid nitrogen. Thanks to subsurface printing, the label's colour code will not fade, smear or smudge and will continue to offer fast sample recognition long after it was printed.	
B-498	Vinyl Cloth	Semi-gloss	White	-40 °C	80 °C	White vinyl cloth label material with glossy finish. The adhesive and cloth backing give excellent holding power, while being repositionable and removing cleanly.	UL Recognised
B-499	Nylon Cloth	Matt	Black on White	-40 °C	90 °C	Nylon cloth material with matt finish. The adhesive allows labelling in environments with heat, cold, oil and dirt. Also available in yellow.	UL Recognised, CSA Accepted, Halogen Free (DIN VDE 0472/part 815) Approvals are for White material only
B-508	Nomex®	Matt	White	-70 °C	130 °C	Thermal transfer and dot matrix printable wire and cable bundle tag for harsh environments. Excellent tear, heat and solvent resistance. Also available in green and yellow.	
B-533	Polyester	Gloss	White	-70 °C	100 °C	White polyester thermal transfer material with a glossy finish and removable adhesive. Ideal for electronic component marking and general purpose applications that require solvent and heat resistance and that can be cleanly removed.	
B-618	Polyester	Matt	White	-70 °C	120 °C	Ideal for rating plate applications and general-purpose labelling with high-quality barcodes and graphics. Film contains recycled PET.	UL Recognised, cUL Recognised
B-711	Polyester	Gloss	Transparent			Electronic component labelling; general identification. Rough surface application; stronger bond to low surface energy plastics.	
B-712	Polyester	Matt	Transparent	-40 °C	105 °C	Electronic component labelling; general identification. Rough surface application; stronger bond to low surface energy plastics.	
B-719	Polyimide	Matt	White	-70 °C	300 °C	White polyimide material with matt finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals. Surface resistivity values in the recommended range for dissipative ESD packing materials.	UL Recognised, ANSI/ESD S541-2008 (between 10 and 10 ohms) for dissipative ESD packaging materials, MIL-STD-202G Method 215K
B-724	Polyimide	Matt	Amber	-70 °C	300 °C	Amber polyimide material with matt finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals.	MIL-STD-202G, Notice 12, Method 215K, SAE AS81531 Marking of Electrical Insulating Material
B-728	Polyimide	Matt	White	-70 °C	300 °C	White polyimide material with matt finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals.	UL Recognised, MIL-STD-202G, Notice 12, Method 215K

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For further ribbon compatibility related to UL / CSA, see pages 18-19 and refer to Brady Tech Data Sheet for complete material performance specifications.

Material		Finish	Colour	Temp (°C) (Tested for 30 days) Min.	Max.	Properties & Applications	Approval/Compliance
B-729	Polyimide	Matt	White	-70 °C	300 °C	White polyimide material, low profile (1 mil thickness), with matt finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals.	UL Recognised, MIL-STD-202G, Notice 12, Method 215K
B-7351	Tamper-resistant Vinyl	Satin	White	-40 °C	80 °C	Fractures Easily, Prevents One-Piece Removal	
B-7423	Polyester	Satin	White	-70 °C	110 °C	White polyester thermal transfer printable material, similar to B-8423, but specifically designed for auto apply application.	UL Recognised
B-7425	Polypropylene	Matt	Black on White	-80 °C	70 °C	White Polypropylene material. Ideal for laboratory identification such as vials, centrifuge tubes and test tubes. For freezer or liquid nitrogen applications, B-7425 must be applied prior to being frozen.	
B-7546	Tamper-evident Polyester	Gloss	White	-20 °C	100 °C	White polyester material with glossy finish. Leaves a "VOID footprint on the surface. The adhesive does not allow for repositioning to prevent it from being reused.	UL Recognised, CSA Accepted
B-7566	Tamper-evident Polyester	Gloss	Transparent	-70 °C	80 °C	Clear polyester material with glossy finish. Leaves a "VOID" footprint on the surface when removed; the pattern also appears on the top of the label to prevent it from being reused.	
B-7576	Tamper-evident Metallised Polyester	Matt	Silver	-70 °C	100 °C	Metallised polyester material with matt finish. Leaves a "VOID" footprint on the surface when removed; the pattern also appears on the top of the label to prevent it from being reused.	UL Recognised
B-7593	Polyethylene Foam Laminate Polyester	Gloss	White, Yellow, Red, Green, Silver, Black	-40 °C	100 °C	EPREP (Engraved Panel REPlacement labels) are designed for patch panel identification in identifying external push-buttons, switches and internal connection points. Also available in black, green, red, silver and yellow.	
B-7598	Polyester	Gloss	White, Yellow, Red, Green, Silver, Black, Blue	-40 °C	100 °C	A general identification polyester tag for cables exposed to extreme conditions. Up to 10 years outdoor durability. Also available in black, blue, green, red, silver and yellow.	Parts supplied in White, Black or Silver are Halogen Free as per IEC 61249-2-21 (2003-11)
B-7599	Polyethylene	Matt	Yellow	-40 °C	50 °C	White polyethylene tag material. Rapido™ Wiremarking Sleeves are fast and easy to apply. Simply squeeze the edges of the material together, thread your wire through the holes and pull away the wire to release the marker.	
B-7600	Polypropylene	Gloss	Transparent	-196 °C	120 °C	Clear polypropylene material with Permanent Acrylic Adhesive for Laboratory identification such as vials, centrifuge tubes and test tubes.	
B-7610	Paper	Matt	White	-40 °C	50 °C	White thermal transfer printable paper for low cost general labelling applications.	
B-7641	Heat-shrink Polyolefin	Matt	White	-55 °C	105 °C	2:1 ratio heat shrinkable, zero halogen wire marking sleeves. The wire marking sleeves offer outstanding fire safety properties and minimal smoke emission. Also available in yellow.	BS-6853 (1999) Vehicle Category 1A; EN-45545-2, requirement 24, Vehicle Category HL3, Zero Halogen
B-7642	Heat-shrink Polyolefin	Matt	White	-40 °C	120 °C	2:1 ratio heat shrinkable wire marking sleeves. The sleeves are high-temperature rated, highly flame retardant, and very flexible.	
B-7643	Thermoplastic Polyether Polyurethane	Matt	White, Yellow	-40 °C	90 °C	Thermal transfer and dot matrix printable wire and cable bundle tag for harsh environments. Low halogen material. Also available in black, orange, red and yellow.	Halogen free per IEC 61249-2-21 (2003-11), Adherence: SAE-AS81531-1998, Flame retardant: MIL-STD-202G
B-7646	Diesel-resistant Heat-shrink Polyolefin	Matt	Yellow	-55 °C	135 °C	Heat shrinkable wire marking sleeves for wire and cable identification in applications that have exposures to organic fluids, common fuels, lubricants and solvents for extended periods of time and at high temperatures.	SAE AS-81531, MIL-STD-202G Method 215K, NF F 00-608 type A and H
B-767	Static Dissipative Polyimide	Gloss	White	-80 °C	300 °C	The high perfomance B-767 material is ideal for PCB and electronic component manufacturing, this material is static dissipative and survive extreme processes like wave soldering and multiple harsh washes.	UL Recognised, ANSI/ESD S541-2008 (between 10 and 10 ohms) for dissipative ESD packaging materials, MIL-STD-202G Method 215K
B-768	Static Dissipative Polyimide	Gloss	White	-80 °C	300 °C	The high perfomance ultra-thin B-768 material is ideal for PCB and electronic component manufacturing, this material is static dissipative and survive extreme processes like wave soldering and multiple harsh washes.	UL Recognised, ANSI/ESD S541-2008 (between 10 and 10 ohms) for dissipative ESD packaging materials, MIL-STD-202G Method 215K
B-7696	Vinyl	Gloss	White, Yellow	-40 °C	70 °C	Brady DuraSleeve® printable inserts create a durable legend. The rigid construction of the DuraSleeve wire marking system provides inserts that can easily be inserted into a clean carrier. The legend can be changed before or after termination. Also available in yellow.	UL94 V0

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For further ribbon compatibility related to UL / CSA, see pages 18-19 and refer to Brady Tech Data Sheet for complete material performance specifications.

Material		Finish	Colour	Temp (°C) (Tested for 30 days) Min.	Max.	Properties & Applications	Approval/Compliance
B-7697	Polyester	Matt	White	-40 °C	120 °C	Brady DuraSleeve® printable polyester wire marking inserts. The rigid construction of the DuraSleeve system provides inserts that can easily be inserted into a clean carrier.	
B-7727	Polyimide	Gloss	White	-70 °C	300 °C	Printable, high temperature polyimide labels for thermal transfer printers. Please Note: This material is UL Recognised with its respective ribbon. See the Recommended Ribbon Series for the appropriate ribbon to use.	UL Recognised, MIL-STD-202G, Notice 12, Method 215K, Dibutyltin and Dioctyltin free
B-776	Polyimide	Gloss	Light Green	-70 °C	300 °C	Printable, high temperature polyimide labels for thermal transfer printers. Please Note: This material is UL approved compliant with its respective ribbon. See the Recommended Ribbon Series for the appropriate ribbon to use.	UL Pending for UL 969 Labelling and Marking Standard
B-777	Polyimide	Gloss	White	-70 °C	300 °C	The B-777 Ultratemp label for harsh washing processes works seamlessly with the BSP™61 Print and Apply System, the ALF Label Feeder and other auto-apply systems. Together they provide a reliable and flexible on-site traceability solution for high heat applications in manufacturing.	UL Recognised to UL969 Labelling and Marking Standard when printed with Brady Series R6300 ribbon. See UL file MH25991 for specific details.
B-7797	Polyimide	Gloss	White		300 °C	B-7797 is a printable, high temperature polyimide material for thermal transfer printers. Please Note: This material is UL Recognised with its respective ribbon. See the Recommended Ribbon Series for the appropriate ribbon to use.	UL Recognised, MIL-STD-202G, Notice 12, Method 215K, Dibutyltin and Dioctyltin free
B-797	Polyimide	Gloss	White	-70 °C	300 °C	B-797 is a high perfomance material for PCB and electronic component manufacturing, that is engineered to survive extreme processes like wave soldering and multiple harsh washes.	UL Recognised, MIL-STD-202G, Notice 12, Method 215K, Dibutyltin and Dioctyltin free
B-8117	Polyester	Matt	Black	-70 °C	120 °C	B-8117 Ultra-Durable Black Polyester labels have excellent print durability, barcode readability and aesthetics.	UL Recognised
B-8423	Polyester	Satin	White	-70 °C	110 °C	Permanent acrylic adhesive; semi-gloss finish; excellent for bar code labels.	
B-8591	Polymer	Gloss	White	-70 °C	110 °C	B-8591 toughest outdoor label is suited for smooth, textured/rough or highly textured/low energy surfaces.	

Consult the Benchtop Thermal Transfer Materials brochure for a full range of **product, wire and cable identification labels** compatible with the i7500 Industrial Label Printer.

Consult the Laboratory Identification brochure for a full range of labels suitable for various **laboratory identification applications** compatible with the i7500 Industrial Label Printer.

For further ribbon compatibility related to UL / CSA, see pages 18-19 and refer to Brady Tech Data Sheet for complete material performance specifications.

Printer specifications

Model(s)	
Model name	i7500
Media alignment	Centre justified
Recommended Usage per Day**	7000
Smart Operating Mode	
Smart vs Manual operation	Smart Mode: when using i75-series label and ribbon rolls Manual Modes: when using non-i75-series label and ribbon rolls
LabelSense™ Print Technology	Yes - using i75-series materials the printer reads datachip on supplies for no-waste printing, requires no calibration of blank labels, has pre-optimised heat and speed settings and features auto label setup in Brady software
Sensor, speed and heat adjustments	No calibration required, no wasted labels. Sensor location, sensor mode, speed and heat settings are auto-set
Media loading / handling	Labels: Open core roll with smart chip, feed material into guides, 40-second changeover Ribbon: On a cartridge, slides into place and always self-centers with ink facing label, 20-second changeover
Print Head / Printing Characteristics	
Print Resolution (dpi)	300 / 600
Print Technology	Thermal Transfer Direct Thermal
Cutter type / Auto cutter	Auto Cutter accessory available Perforation Cutter accessory available*
Colour Capability	Monocolour
Print Speed (mm)	**Smart Mode** up to 177.8 / sec – die cuts (300 dpi) up to 304.8 / sec – continuous (300 dpi) **Manual Mode / Partial Smart Mode** up to 254.0 / sec – die cuts (300 dpi) up to 304.8 / sec – continuous (300 dpi)
Max. Print Width (mm)	105.66 mm
Max. Print Length	Continuous media: 1.524 m Die-cut media: 304.8 mm
Software Compatibility	Brady Workstation Windows based driver for 3rd party software use
Print job interrupt options	Resume print job where pause or interruption occurs, or select specific label in job
Printhead replacement	User replaceable to same or different dpi with no firmware update. Use only Brady print heads #177722 (300dpi)
Print roller replacement	Field replaceable (T20 wrench required)
Print on demand	Yes
Print pause	Yes
Print job list on standalone printer	Yes - BradyWorkstation print jobs can be saved to printer for later on-printer selection and placement into a print queue. This function also write-protects the print jobs from unwanted editing.

Display	
Display	Colour LCD Touchscreen
Display Size	177.80 mm
Display Resolution	1024 x 600 pixels
Language Support	Bulgarian, Croatian, Czech, Danish, Dutch, English (US), Estonian, Finnish, French (Canada), German, Hungarian, Norwegian (Bokmål), Polish, Portuguese, Romanian, Russian, Slovak, Spanish (Universal), Turkish
Display status bar	Installed ribbon and label part numbers, amount of supplies remaining, Wi-Fi connection, Bluetooth connection (future functionality), Ethernet connection, USB connection, receiving data icon, ready state / error state, Time
Label Media Characteristics	
Core - Diameter (mm)	76.20 mm
Max. Roll Outer Diameter (mm)	215.90 mm
Internal Rewind roll core inner diameter (peel config only)	38.1 mm cardboard core
Internal Rewind roll outer diameter (max) (peel config only)	215.9 mm 254.0 mm (with rear housing removed)
Label roll types	Gapped Notched Continuous
Label length (down-web)***	3.18 mm to 304.80 mm (die-cut media) 10.16 mm minimum (cut label length)
Maximum Label Thickness (mm)*	1.956 mm
Media roll winding	Outside or inside
Number of Stock Parts	4500+ standard parts
Media styles	Die cut media, continuous media, open core roll-fed media, fanfolded media (external feed), tagstock liner-mounted, tagstock linerless, perforated materials, adhesive labels, heat-shrink sleeves (single sided and double sided with re-insert), continuous heat-shrink sleeves (partially flattened), self-laminating cable labels, zip-tie cable tags. Some media styles not available with i75-series smart technology.
Materials Supported	Polyester, Metallised Polyester, Metallic, Non-metal Polyester, Polyimide, Polypropylene, Nylon Cloth, Vinyl Cloth, Vinyl, Self-laminating Vinyl, Self-laminating Polyester, Heat-shrink Polyolefin, Diesel-resistant Heat-shrink Polyolefin Sleeve, High Temperature Heat-shrink Polyvinylidene Fluoride Sleeve, Polyethylene Foam Laminate Polyester, FreezerBondz™ Polyester, StainerBondz™ Polyester, Static Dissipative Polyester, Tamper-evident Metallised Polyester, Tamper-evident Polyester, Tamper-resistant Metallised Vinyl, Tamper-resistant Vinyl, Polyvinylfluoride, Polyethylene Tag, Paper, Repositionable Paper, Direct Thermal Paper

Printer specifications

Ribbon Characteristics	
Maximum Ribbon Length	299.92 m (i75-series Smart ribbons) 457.20 m (manual ribbons)
Maximum Ribbon Outside Diameter	80.01 mm (i75-series Smart ribbons) 89.92 mm (manual ribbons)
Ribbon Core Diameter	25.40 mm (manual ribbons)
Ribbon width (max, cross-web)	114.3 mm
Ink side	Outside wound
Software and Firmware	
Label Creation Software	Brady Workstation (v4.21 or newer) and Brady Workstation apps (latest updates)
Windows® drivers	Windows 8.1, 10, 11. Server 2012, 2012 R2, 2016
Printer command language emulation	ZPL - scripting commands for sending scripts to the printer
Interfaces and Connectivity	
PC connection port	1 x USB 2.0 hi-speed device port
Ethernet	1 x Ethernet 100 BASE-T
USB host ports	3 x USB 2.0 type A host port (1 front, 2 back)
Accessory Port	1 x 40-pin socket connector (front lower panel) For peripheral accessory connection only, auto cutter, present sensor, etc.
I/O Port	1 x Digital I/O - (back panel - optional) DB-25F connector (isolated 24V-compatible digital I/O ports)
Wireless	Wi-Fi 802.11b/g/n
Bluetooth	Bluetooth 5.0
Electronics	
Processor	32-bit 1 GHz clock rate
Memory (RAM)	512 MB
Data storage (IFFS)	32 GB
Internal battery	For internal date & time (RTC)
Data storage when power off	Yes
Physical / Operational Characteristics	
Dimensions	292.10 mm (W) x 370.84 mm (H) x 530.86 mm (D)
Weight (kg)	18.14
Power supply	100 - 240 VAC, 50/60 Hz, PFC
Power consumption	<10W standby / 150W typical / 300W max
Operating environment	10°C - 40°C - 10%-85% (relative humidity non-condensing)
Storage environment	-20°C - 50°C - 15%-90% (relative humidity non-condensing)
Agency approvals	CE, FCC class A, cUL. Contact Brady for up-todate list of environmental compliance information and agency approvals and/or marks covering over 75 countries (awarded or applied for)

Fonts and Graphics	
Character sets	Windows 1250 to 1252, 1254, 1257, DOS 852, 857, 866, 869, EBC DIC 500, ISO 8859-1 to -5, 9-11,13, 15 and 16, UTF8, Macintosh, Roman, DEC MCS, KO18-R, all west and east european characters and Latin, Cyrillic, simplified Chinese, traditional Chinese and Thai characters are supported
Built-in Fonts	Arial, Times New Roman, Brady Bold Cond, Noto Sans, Noto Sans Thai, See Brady Workstation, TrueType fonts storable to printer
Font attributes	Bold, italic, underlined, negative, subscript, superscript, 6 and 9 underscore, expand/condense, line height
Font scaling (vector & TrueType)	Width & height range: 8.89 to 128.01 mm Zoom factor: Variable (dot-by-dot) Rotation: 0°, 90°, 180°, 270°
Graphic elements	Arrow, line, multiple line, rectangle, rounded rectangle, square, circle, ellipse, diamond, star, triangle, rounded triangle, seal, octagon
Graphic formats	BMP, GIF, JPEG, PNG
Barcodes	
Barcode Symbologies - 2D	Aztec, Data Matrix, GS1 DataMatrix, MicroPDF417, PDF417, QR code
Barcode Symbologies - linear	Code 39, Codabar, Code 128, Code 128A, Code 128B, Code 128C, Code 39 Full ASCII, Code 93, Code 93 Full ASCII, EAN-13, EAN-13 Extension 2, EAN-13 Extension 5, EAN-8, EAN-8 Extension 2, EAN-8 Extension 5, GS1-128, HIBC, Industrial 2 of 5, ITF-14, JAN-13, JAN-13 Extension 2, JAN-13 Extension 5, JAN-8, More through Brady WorkStation, More through software, UPC-A, UPC-E
Barcode attributes	Sizing: variable in height, modular width and ratio Rotation: 0°, 90°, 180°, 270°
Options / Accessories	
Replacement printheads	Brady printheads #177722 (300dpi). No other printheads approved for use.
Replacement print rollers	Variable widths to improve printhead protection with narrow supplies - field installable****
Auto cutter	Full-cut auto cutter and perf-cut auto cutter available; field-installable to front panel
Label Taken Sensor (Peel config only)	For auto advance and print on peel model printer Field installable to front of printer*****
I/O Interface	Field installable to rear of printer

** General volume levels for directional model comparison purposes only. Assumes basic text on 25.4 x 50.8 mm polyester labels. Actual results vary depending on combination of material, burn and speed settings, label content, ambient temperature and length of print run.

*** User should test to the application. Print performance on small parts or parts smaller than a printer's minimum label dimension spec is dependent on multiple factors including print speed, quantity in print run, heat setting, and the size / layout of the printed elements.

**** To avoid excessive printhead wear, print roller should be wider than label media and ribbon should be wider than roller - this prevents exposed print head against exposed roller.

***** User should test any material for Peel printing to the intended application. Print & peel performance on any label is dependent on multiple factors including auto-present charactieristics of label material, peel offset distance, and print speed.

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