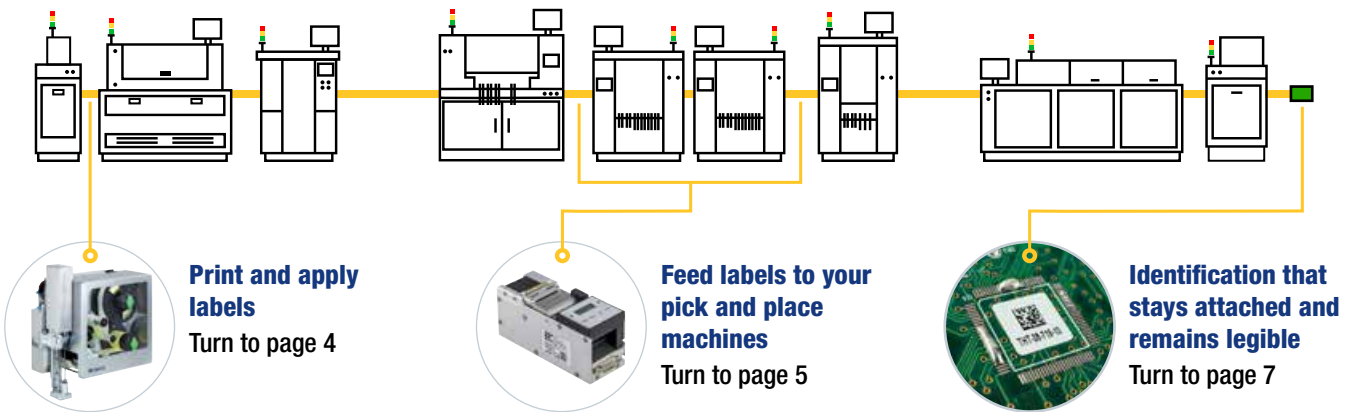# Enable Smart Manufacturing

Automated printed circuit board labelling

Enable Smart Manufacturing

In Smart Manufacturing machines and systems generate, analyse and use data to optimise production efficiency, create flexible manufacturing processes and respond quickly and at low cost to changes in demand. An Industry 4.0 Smart Factory employs only systems that are interconnected and able to send or receive data from the other systems in the supply chain.

Via durable product labels that remain legible throughout entire production cycles, applied by accurate, automated print & apply systems, Brady can connect every circuit board in production to your Smart Factory. With our solution, every circuit board you produce can become a data generator to send information to your Manufacturing Execution System, to other machines and production cycles, or to your supply chain both up- and downstream.

Print and apply labels
Turn to page 4

Feed labels to your pick and place machines
Turn to page 5

Identification that stays attached and remains legible
Turn to page 7

Label your printed circuit boards

Accurate tracking of raw materials and finished goods throughout production processes can increase production efficiency, open up new markets and attract more customers by enabling a number of competitive advantages.

- increased product quality control
- increased product safety
- increased reputation and brand protection
- reduced counterfeit components
- reduced production process costs

- reduced warranty costs
- reduced product recalls
- legal compliance
- regulatory compliance
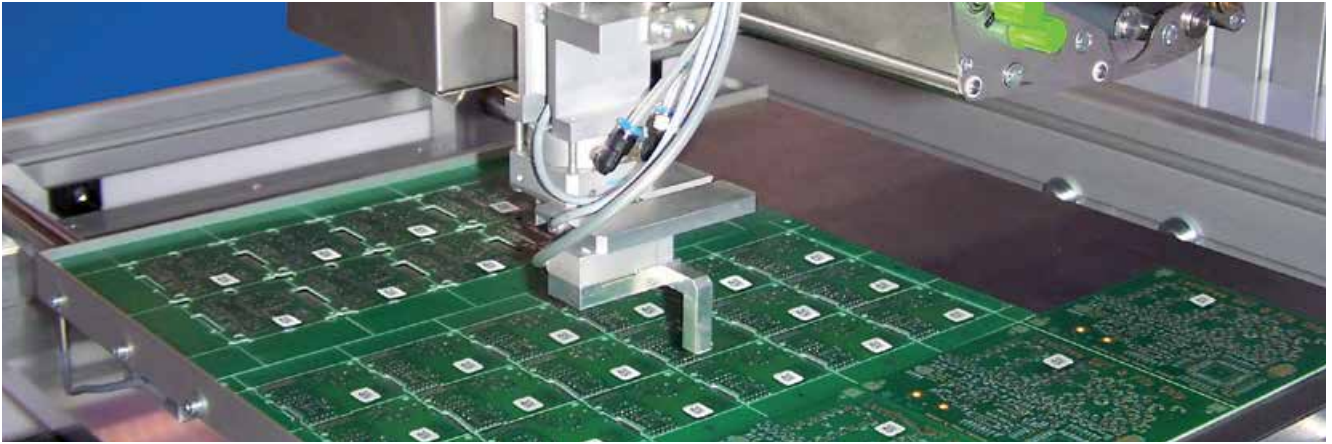
Automate your labelling

A fully automated printed circuit board labelling solution can activate the competitive advantages of Smart Manufacturing.

- increased workplace efficiency
- more data analysis for continuous improvement
- increased data accuracy
- faster problem intervention

- faster product batch localisation
- aligned raw material intake and machine
- operating parameters

Automated printed circuit board labelling

Brady offers a reliable and complete solution to automate printed circuit board labelling in order to enable Smart Manufacturing. Our solution includes these components:

- durable auto-apply labels
- reliable auto-apply systems
- custom support including setup, maintenance and parts
- extensive label testing in in-house laboratories

AUTOMATED PRINT AND APPLY

DURABLE LABELS

CUSTOMER SUPPORT

IN-HOUSE LABORATORY

Automatic label print & apply

The **BradyPrinter A8500 Label Printer Applicator** reliably automates printed circuit board labelling for complete traceability. It consistently prints and applies tiny labels from our polyimide auto-apply label range that can resist the entire PCB production process.

The BradyPrinter A8500

- accurately prints and consistently applies even the tiniest 4mm x 3.18mm labels in 600 dpi on printed circuit boards
- can keep up with the pace of SMT production lines thanks to a fast processor and cycle time
- can be installed anywhere along the production line and can receive label data from most company ERP-systems
- offers industry 4.0 connectivity and is OPC UA ready. Information can be transferred by the BradyPrinter A8500 to the plant control system, which can then initiate the next action.

! Zero queue print & apply

AUTOMATED PRINT AND APPLY

DURABLE LABELS

CUSTOMER SUPPORT

IN-HOUSE LABORATORY

i Product specifications on page 10

BRADY.

Automatic label feeding

Typically our **ALF label feeder** is used as a central part of traceability solutions: integrated to machines placing components to assemblies e.g. in electronic manufacturing they allow a robust process applying uniquely serialized labels to products for traceability purposes, specifically where machine-readable bar code labels are used.

Labels are simply treated like any other component and are placed with the accuracy of your current pick and place machine. The label feeder's compact and durable design allows for flexibility and simplicity.

The ALF14 label feeder offers

- easy label loading and setup
- fast sensing and dispensing
- sends a warning signal when label guiding latch is left open
- easily adjustable liner width to avoid downtime
- compatibility with a wide range of label sizes
- compatibility with a range of pick & place machines
- easy integration thanks to a small footprint
- great durability
- easy signal interfacing for machine compatibility
- great reliability with Brady's printed circuit board labels.

! Flexible label feeding

The ALF19XS label feeder offers

- 28mm unit width. Small footprint on SMT line, which allows for a higher variety of components to be placed. At the same time opens up 1 to 2 more slots compared to the ALF14
- smallest material size: 2x2mm. Largest Label: 18x18mm. Liner Width: from 4 to 21mm. Designed to work with the label size needed
- user interface: Fast material changeover and quick adjustments through UI screen and three buttons on the outer end of the adapter
- fixed label presenting surface: labels are presented to a pad which allows for smaller labels
- remote access via Wi-Fi: get real-time status of the Label Feeder
- fully automated solution: once set up, works seamlessly in conjunction with the component placement equipment.

i Product specifications on page 11

AUTOMATED PRINT AND APPLY

DURABLE LABELS

CUSTOMER SUPPORT

IN-HOUSE LABORATORY
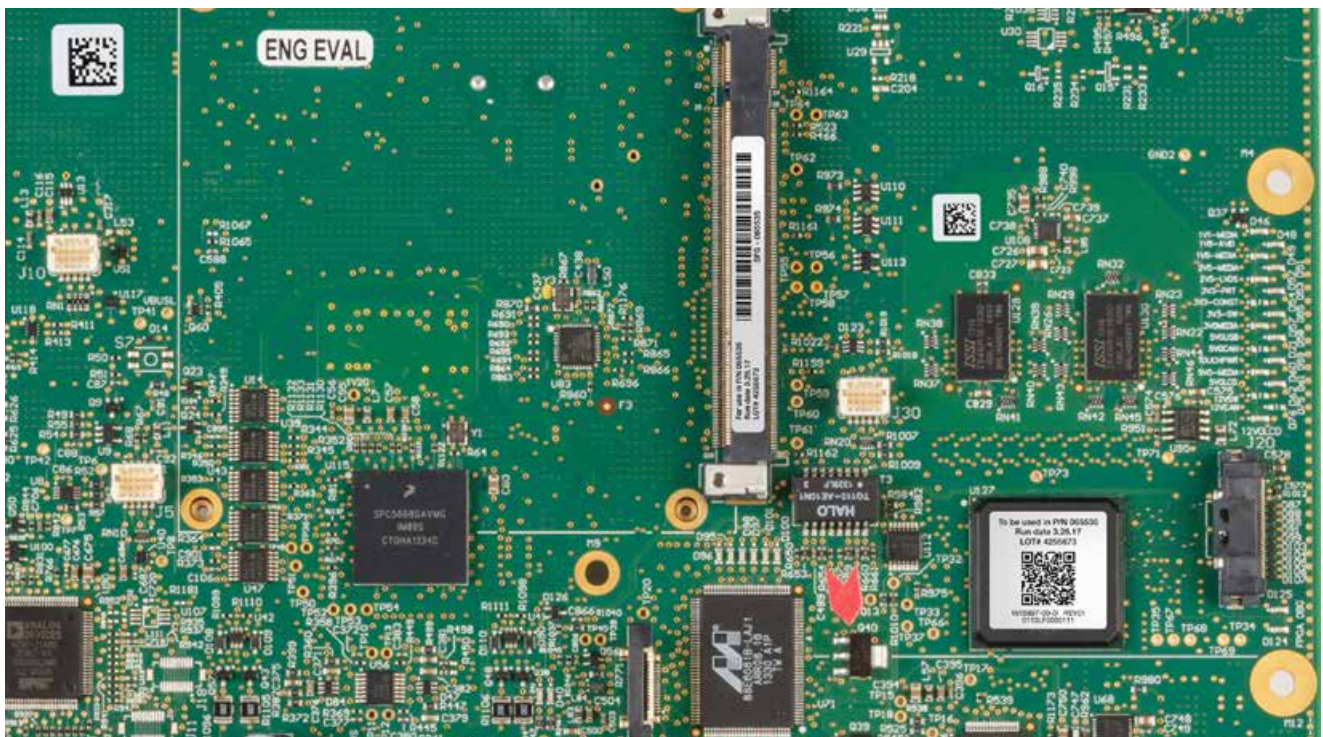
Reliable & fast precision printing

The **BradyPrinter i7100 Industrial Label Printer** offers durable and highly accurate label printing for business critical high volume identification challenges in Aerospace, Defence, Mass Transit, Electronics, Automotive and Logistics industries. Quickly print a wide range of high quality identification materials for a variety of applications including cable, printed circuit board and asset & component identification.

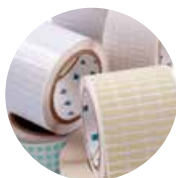## The BradyPrinter i7100 Industrial Label Printer offers:

- an easily accessible touch screen interface
- a small system footprint
- fast consumable changes
- a powerful internal processor designed to handle up to 7000 labels per day
- up to 300 mm/sec print speed
- 600 dpi ultra-sharp printing
- centre alignment of prints for high printing accuracy
- interchangeable platen rollers for optimised printhead life time
- a wide range of high quality identification materials

i Discover the i7100 accessories on www.bradyeurope.com/i7100

Label rewinder MC-11

AUTOMATED PRINT AND APPLY

DURABLE LABELS

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i Product specifications on page 12

BRADY

Durable printed circuit board labels

Brady's **B-7797 polyimide printed circuit board label** is specifically designed for auto-apply applications. The specially designed APL (Auto Apply Label) range has a reduced liner width and works with a smaller ribbon for ultra-compatibility with auto-apply systems.

B-7797 can withstand temperatures up to 300°C and the powerful chemicals and cleaning processes used in PCB assembly, equipment and component manufacturing.

The B-7797 printed circuit board label offers

- outstanding auto-apply compatibility thanks to a reduced liner width
- great placement accuracy and high pick-up rate
- reduced risk of adhesive bleeding
- extreme washing/aggressive cleaning applications
- top or bottom label placement
- surface mount and through-hole assembly
- high heat (300°C) resistance
- great legibility, even after exposure to chemicals
- good performance in reflow, wave solder and board washing
- abrasion resistance
- printability on-site
- available as pre-printed labels on request

Compatibility

A8500   ALF   ALFi7100

! Reduced liner width for ultra auto-apply compatibility (APL range)

i Discover the full auto-apply label (APL) range on page 13

Zestron/Kyzen compatible

Brady's B-7797 printed circuit board label is compatible with cleaning agents from both Kyzen and Zestron. Our B-7797 label can resist the newest PCB cleaning agents.

**AUTOMATED PRINT AND APPLY**   **DURABLE LABELS**   **CUSTOMER SUPPORT**   **IN-HOUSE LABORATORY**

Durable printed circuit board labels

Laser engravable labels are designed to increase the legibility of part markings and barcodes lasered on printed circuit boards and complex surfaces. Thanks to increased contrast, barcodes lasered on the label are easier to scan, which leads to reduced waste in supply chains with stringent traceability requirements.

Compatibility

LASER   ALF
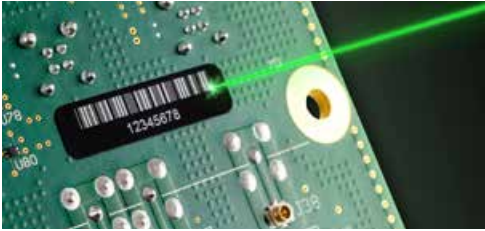
Laser engravable polyimideåls offer:

- high barcode and marking legibility
- durable, high contrast markings
- reduced waste versus direct part marking
- outstanding compatibility with auto-apply systems
- available in black on white and white on black

Why use labels?

Label identification offers a number of distinct advantages for printed circuit board manufacturers:

Printing Technology Comparison Guide

Attribute	THT Printing	Laser Marking	Direct Marking
Initial equipment costs	Low	Moderate	High
Recurring costs	Moderate	Moderate	Low
Marking permanence	Good	Excellent	Excellent
Print resolution	Good	Excellent	Good
Print speed	Excellent	Good	Poor
Contrast	Excellent	Excellent	Poor*
Bar code grades	Excellent	Excellent	Poor*
Automation	Good	Excellent	Excellent
Air handling	None	Recommended	Required
Easy to re-work	YES	YES	NO

*direct marking color contrast defined by substrate and laser marking mechanism

The **B-7634 masking film for PCB's** offers excellent protection during electronic manufacturing processes, inluding wave soldering and hot air levelling. The polyimide masking film is ideal for auto-apply and can be removed cleanly.

The B-7634 masking film:

- acts as a protective film on PCB's, components and througholes
- can be used to protect or insulate in a range of high heat applications
- can be applied automatically with a pick & place machine and the ALF Label Feeder

Compatibility

ALF

AUTOMATED PRINT AND APPLY

DURABLE LABELS

CUSTOMER SUPPORT

IN-HOUSE LABORATORY

BRADY

Custom support

Service agreements

On top of an included 1 year warranty, Brady offers premium support service agreements for both the BradyPrinter A8500 Label Printer Applicator and the ALF Label Feeder. Service agreements are fully customisable to your needs and can include premium support by phone and/or support at your premises.

Available service agreement options:

- preventive maintenance
- fast repairs
- replacement devices
- dedicated in-house contact center
- support in 12 languages
- local presence
- man hours included
- no unexpected costs

Scanners & portable data terminals

High quality scanners are available. With portable or integrated scanners, your traceability system can evolve beyond supply chain requirements and generate data that can be analysed to create business cases for production optimisation.

Available scanner services:

- scanner purchasing
- scanner configuration
- scanner integration

Integration

Brady offers label creation software with automation options, next to advice, support and full collaboration with third parties to help integrate our traceability solutions in your production line. The advantages of Smart Manufacturing including increased production control, centralised monitoring and continuous improvement data can be fully enabled by a complete integrated printed circuit board labelling system.

In-house laboratory

Brady's in-house laboratories rigourously test our solutions in line with standard testing methods. Our scientists test the performance of complete traceability label constructions including the liner, adhesives, label materials and label top coat to deliver solutions that solve your challenges. Our in-house lab can offer test results on request or test new traceability label requirements when relevant.

AUTOMATED PRINT AND APPLY

DURABLE LABELS

CUSTOMER SUPPORT

IN-HOUSE LABORATORY

Product specifications

BradyPrinter A8500 Label Printer Applicator

Article No.	Description
306695	A8500 Print & Apply 600 dpi - for up to 50mm wide consumables to be combined with left applicator
306696	A8500 Print & Apply 300 dpi - for up to 101mm wide consumables to be combined with left applicator
306697	A8500 Print & Apply 600 dpi - for up to 50mm wide consumables to be combined with right applicator
306698	A8500 Print & Apply 300 dpi - for up to 101mm wide consumables to be combined with right applicator
306699	Left applicator - cylinder stroke 300 mm - horizontal precision guide in feed direction
306700	Right applicator - cylinder stroke 300 mm - horizontal precision guide in feed direction
306701	Left applicator - cylinder stroke 300 mm - horizontal rotary cylinder (angle of rotation 90 other 180°)
306702	Right applicator - cylinder stroke 300 mm - horizontal rotary cylinder (angle of rotation 90 other 180°)
306703	Left applicator - cylinder stroke 300 mm - adjustable horizontal precision guides in X and Y direction (up to Y = 13 mm, X = 5 mm)
306704	Right applicator - cylinder stroke 300 mm - adjustable horizontal precision guides in X and Y direction (up to Y = 13 mm, X = 5 mm)
306705	A8500 Cover 2L
306706	A8500 Cover 4L
306707	A8500 Cover 2R
306708	A8500 Cover 4R

Specifications	
Description	Print and apply system precision developed for applications such as PCB assembly and marking, component and product marking in high quality.
Applications	Higher volume applications such as PCB marking, component and product marking in high quality demanding industries like automotive, electronics and manufacturing.
Hours of Operation	24 hours/7 days
Recommended Usage per Day	7000
Software Compatibility	Brady Workstation CodeSoft Windows based driver for 3rd party software use
Colour Capability	Monocolour
Connectivity Options	Ethernet, USB 2.0, RS232, Serial, USB, Ethernet, I/O connection, WiFi (optional)
Stand-alone Printing (Detached from PC)	Stand-alone & Peripheral
Features	Applicators External display
Label sizes	Max. Label Width: 58.00 mm (A8500-62) or 114.00 mm (A8500-34) Min. Label Width: 4.00 mm (A8500-62) or 20.00 mm (A8500-34) Min. Label Height: 3.00 mm (A8500-62) or 4.00 mm (A8500-34) Max. Print Width: 57.00 mm (A8500-62) or 105.60 mm (A8500-34)
Print Speed (mm/sec)	300.00 mm/s
Print Technology	Thermal Transfer
Print Resolution (dpi)	300 / 600

Accessories

Article No.	Description
133251	Printer Cleaning Kit, Thermal Transfer Printers

A8500 Applicators

Article No.	Description
711040	Left applicator, cyl. stroke 200 mm with pressure reducer
711041	Left applicator, cyl. stroke 300 mm with pressure reducer
711042	Left applicator, cyl. stroke 200 mm, hor. rotary cylinder w. pressure reducer
711043	Left applicator, cyl. stroke 300 mm, hor. rotary cylinder w. pressure reducer
711046	Left applicator, cyl. stroke 200 mm adj. Hor. precision guides w press reducer
711047	Left applicator, cyl. stroke 300 mm adj. Hor. precision guides w press reducer
711048	Right appl., cyl. stroke 200 mm, hor. precision guide in feed dir. w press red
711049	Right appl., cyl. stroke 300 mm, hor. precision guide in feed dir. w press red
711050	Right applicator, cyl stroke 200 mm, hor rotary cyl. with pressure reducer
711051	Right applicator, cyl stroke 300 mm, hor rotary cyl. with pressure reducer
711055	Right appl, cyl stroke 200 mm, adj hor precision guides with pressure reducer
711056	Right appl, cyl stroke 300 mm, adj hor precision guides with pressure reducer

Product specifications

ALF-14 Label Feeder/ALF19-XS Label Feeder

Specifications	ALF14-25 Labelfeeder	ALF19-XS Labelfeeder
Weight (kg)	0.458 kg	0.4 kg
Dimensions	43.00 mm (W) x 54.00 mm (H) x 115.00 mm (D)	30.00 mm (W) x 47.00 mm (H) x 100.00 mm (D)
Height of pickup position (mm)	50	50
Approval/Compliance	CEWEEERoHS	CE, WEEE, RoHS
Voltage	24 V	24 V
Power Consumption	max. 24 W	max. 40 W
Current Consumption	max. 1 A	max. 1.66 A
Power Supply	Main supply wall plug charger, Machine cable (Eurplacer, Fritsch, Juki, Siemens, Yamaha)	Main supply wall plug charger, Machine cable (Eurplacer, Fritsch, Juki, Siemens, Yamaha)
Compatible Pick & Place Systems	Siemens ASM Siplace Series, Europlacer, Fritsch, Fuji NXT, Heeb innotec, Hitachi, Juki Series 2000, MyData, Samsung SM Series, Yamaha, Assembléon (others pending)	Siemens ASM Siplace Series, Europlacer, Fritsch, Fuji NXT, Heeb innotec, Hitachi, Juki Series 2000, MyData, Samsung SM Series, Yamaha, Assembléon, Others pending
Signal Interface	- Label Feed Request - Label ready - Error	- Label Feed Request -Label ready - Error
Minimum Label Size (mm)	4 x 4	2 x 2
Maximum Label Size (mm)	23 x 23	18 x 18
Max. Liner Width (mm)	25.00	21
Label Conveying Speed	10-200 mm/s	10 - 200 mm/s

ℹ️ ALF label feeder/SMT machine compatibility

Visit our website to determine the compatibility of your SMT machine with our ALF label feeders, we support all major manufacturers including Siplace, Fuji and Juki.

Please visit out website for more information:
www.brady.co.uk/shrink-sleeve-label-applicators/alf

Product specifications

BradyPrinter i7100 Industrial Label Printer

Printer Specifications	
Description	BradyPrinter i7100 Industrial Label Printer
Includes	This i7100 printer comes in a cardboard box. It ships with a power cord, 2 empty ribbon cores, a USB cable, a product CD holding the driver, the user manual in languages, the configuration/settings manual in English, a printed user manual in English and a Brady Workstation Basic Suite or a Brady Workstation PWID Suite
Applications	Barcode labelling, Circuit board labelling, Component and equipment labelling, Data and telecommunications labelling, Electrical labelling, General identification, Inventory and inspection labelling, Laboratory labelling, Wire and cable labelling
Print Speed (mm/sec)	300.00 mm/s
Internal Memory Capacity	256 MB RAM, 50 MB IFFS Flash, SD card up to 512 GB
Software Compatibility	Brady Workstation Windows based driver for 3rd party software use
Recommended Usage per Day	7000
Colour Capability	Monocolour
Language Support	Arabic (Egypt), Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Lithuanian, Macedonian, Norwegian (Bokmål), Persian (Farsi), Polish, Portuguese, Romanian, Russian, Serbian, Slovenian, Spanish, Swedish, Turkish
Weight (kg)	10 kg
Dimensions	251.46 mm (W) x 289.56 mm (H) x 459.74 mm (D)
Max. Label Width (mm)	109.98 mm
Min. Label Width (mm)	4.00 mm
Max. Liner Width (mm)	114.05 mm
Min. Liner Width (mm)	9.14 mm
Max. Print Width (mm)	105.66 mm
Warranty	2 years

Interfaces on the back of the device

SD Memory Card Slot

2 x USB Host Interface Ports

USB 2.0 High-Speed Device for PC Connection

Ethernet 10/100 BASE-T Port

I/O Interface Connection (standard on peel model, optional on non-peel model)

Article No.	Order Reference	Description
300 dpi		
149046	i7100-300-EU	BradyPrinter i7100 300 dpi - EU
198607	i7100-300-EU-PWID	BradyPrinter i7100 300 dpi - EU + Brady Workstation PWID Suite
149049	i7100-300-P-EU	BradyPrinter i7100 300 dpi - EU + Peel function
198608	i7100-300P-EU-PWID	BradyPrinter i7100 300 dpi - EU + Peel function + Brady Workstation PWID Suite
149067	i7100-300-UK	BradyPrinter i7100 300 dpi - UK
198611	i7100-300-UK-PWID	BradyPrinter i7100 300 dpi - UK + Brady Workstation PWID Suite
149068	i7100-300-P-UK	BradyPrinter i7100 300 dpi - UK + Peel function
198609	i7100-300P-UK-PWID	BradyPrinter i7100 300 dpi - UK + Peel function + Brady Workstation PWID Suite
197690	i7100-300-US	BradyPrinter i7100 300 dpi - US
198612	i7100-300-US-PWID	BradyPrinter i7100 300 dpi - US + Brady Workstation PWID Suite
197689	i7100-300-P-US	BradyPrinter i7100 300 dpi - US + Peel function
198610	i7100-300P-US-PWID	BradyPrinter i7100 300 dpi - US + Peel function + Brady Workstation PWID Suite
600 dpi		
149047	i7100-600-EU	BradyPrinter i7100 600 dpi - EU
198613	i7100-600-EU-PWID	BradyPrinter i7100 600 dpi - EU + Brady Workstation PWID suite
149052	i7100-600-P-EU	BradyPrinter i7100 600 dpi - EU + Peel function
198614	i7100-600P-EU-PWID	BradyPrinter i7100 600 dpi - EU + Peel function + Brady Workstation PWID Suite
149066	i7100-600-UK	BradyPrinter i7100 600 dpi - UK
198617	i7100-600-UK-PWID	BradyPrinter i7100 600 dpi - UK + Brady Workstation PWID Suite
149065	i7100-600-P-UK	BradyPrinter i7100 600 dpi - UK + Peel function
198615	i7100-600P-UK-PWID	BradyPrinter i7100 600 dpi - UK + Peel function + Brady Workstation PWID Suite
197692	i7100-600-US	BradyPrinter i7100 600 dpi - US
198618	i7100-600-US-PWID	BradyPrinter i7100 600 dpi - US + Brady Workstation PWID Suite
197691	i7100-600-P-US	BradyPrinter i7100 600 dpi - US + Peel function
198616	i7100-600P-US-PWID	BradyPrinter i7100 600 dpi - US + Peel function + Brady Workstation PWID Suite

> **Brady Workstation Product and Wire Identification Software Suite**
> Quickly identify your products and wires with customised text or graphical labels, using serialised or imported data. Workstation.BradyID.com/ProductandWire
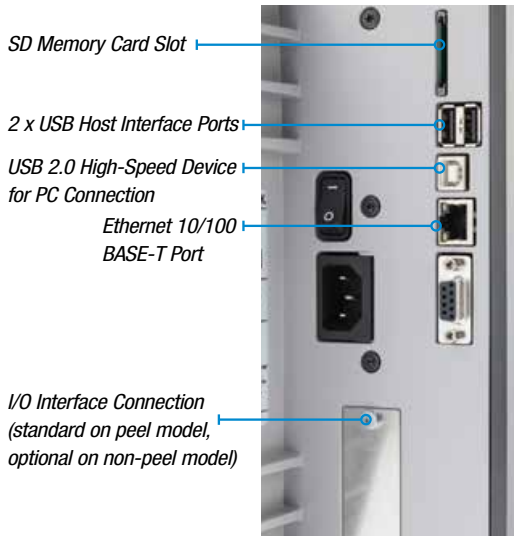
BradyPrinter i7100 accessories

| Article No.	Order Reference	Description
133251	PCK-6	Printer Cleaning Kit, Thermal Transfer Printers
149043	i7100-PR-120mm	120mm Platen Roller with synthetic rubber coating
149044	i7100-PRS-120mm	120mm Platen Roller with silicone rubber coating
149048	i7100-PR-25mm	25mm Platen Roller with synthetic rubber coating
149051	i7100-RAR-120mm	120mm Rewind Assist Roller with synthetic rubber coating
149054	i7100-PR-80mm	80mm Platen Roller with synthetic rubber coating
149055	i7100-PR-50mm	50mm Platen Roller with synthetic rubber coating
149069	I7100-CUTTER-TRAY	i7100 Rotary Cutter with Tray
149070	i7100-ANTI-S-BRUSH	Antistatic Brush
149071	i7100-IO-LABEL-BOX	Label Selection I/O Box
149072	i7100-PS1000MP	I7100 Present Sensor PS1000MP
149073	i7100-IO-CONNECTOR	I/O Interface Connector SUB-D 25pins
149074	i7100-RG400-PLATE	Rewind Guide Plate RG400
149075	i7100-PS900	Present Sensor PS900
149077	i7100-IO-INTERFACE	I/O Interface
149078	i7100-PERF-CUTTER	i7100 Rotary Perforation Cutter
149080	BT-USB-ADAPT	Bluetooth USB Adapter
149131	WLAN-EXANT	USB Wlan Stick with External Antenna
149132	i7100-ADAPTER-100	i7100 Adapter for 100mm Core
149135	i7100-PPLTEXT-410	i7100 Extended Peel off plate DP410
149207	i7100-TEAR-OFF	i7100 Tear off Plate
149208	i7100-HEX-KEY-TOOL	i7100 Spare Hex Key Tool
151149	i7100-i5100-EXDISP	External display for i7100, i5100 & A8500
151150	EXDISP-USB-1.8M	USB cable for external display, 1,8m
151151	EXDISP-USB-3M	USB cable for external display, 3m
151152	EXDISP-USB-5M	USB cable for external display, 5m
197823	SD-CARD-8GB	SD Memory card 8GB
302741	MC11 EUR	MC-11 Powered Label Rewinder for Europe
302744	LD100RS EUR	LD-100-RS Automatic Label Dispenser for Europe
302979	MC11 UK	MC-11 Powered Label Rewinder for United Kingdom
302980	LD100RS UK	LD-100-RS Automatic Label Dispenser for United Kingdom

BRADY

Printed circuit board labels

Circuit board label

Blank labels

Diagram	Order Reference	Colour	Finish	Width A (mm)	Height B (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Roll	Recommended Ribbon
B-7797: Polyimide									
▲	APL-07-7797-10	White	Gloss	19.05	6.35	10.16	22.23	10000	R6300
▲	APL-01-7797-10	White	Gloss	5.00	5.00	8.00	11.43	10000	R6300
▲	APL-02-7797-10	White	Gloss	6.35	6.35	10.16	11.43	10000	R6300
▲	APL-03-7797-10	White	Gloss	7.00	7.00	10.85	11.43	10000	R6300
▲	APL-05-7797-10	White	Gloss	9.53	9.53	12.07	12.70	5000	R6300
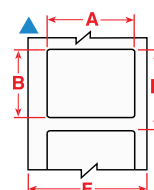
Print ribbon

Order Reference	Colour	Width (mm)	Length (m)
R6300HF-30X300/0	Black	30.00	300.00

Laser engravable labels B-730 range

Standard labels

Diagram	Order Reference	Colour	Finish	Width A (mm)	Height B (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Roll
B-730: Laser-engravable Polyimide								
▲	LZR-212-730-10	Black	Matt	19.00	6.35	10.16	25.00	10000
▲	LZR-208-730-10	Black	Matt	5.08	5.08	7.98	25.00	10000
▲	LZR-209-730-10	Black	Matt	6.35	6.35	10.16	25.00	10000
▲	LZR-210-730-10	Black	Matt	9.53	9.53	12.70	25.00	5000
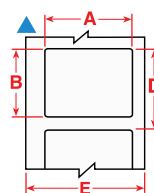
Auto-apply (APL) labels

Diagram	Order Reference	Colour	Finish	Width A (mm)	Height B (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Roll
B-730: Laser-engravable Polyimide								
▲	APL-07-730-10	Black	Matt	19.05	6.35	10.16	22.23	10000
▲	APL-01-730-10	Black	Matt	5.00	5.00	8.00	11.43	10000
▲	APL-02-730-10	Black	Matt	6.35	6.35	10.16	11.43	10000
▲	APL-03-730-10	Black	Matt	7.00	7.00	10.85	11.43	10000
▲	APL-05-730-10	Black	Matt	9.53	9.53	12.07	12.70	5000

Printed circuit board label material range

B#	Base material	Adhesive	Colour	Finish	Application	Solvent	Fuel/Oil	Abrasion	High Heat	Low Temp	Removable	electrostatic dissipative
B-767	Polyimide	Permanent	White	Gloss	Printed Circuit Board and Component process labelling, static dissipative adhesive	✓		✓	✓	✓		✓
B-768	Polyimide	Permanent	White	Gloss	Printed Circuit Board and Component process labelling, static dissipative adhesive	✓		✓	✓	✓		✓
B-719	Polyimide	Permanent	White	Matt	Printed Circuit Board and Component process labelling, static dissipative adhesive	✓		✓	✓	✓		✓
B-724	Polyimide	Permanent	Amber	Matt	Printed Circuit Board and Component process labelling	✓	✓	✓	✓	✓		
B-797	Polyimide	Permanent	White	Gloss	Printed Circuit Board and Component process labelling	✓		✓	✓	✓		
B-728	Polyimide	Permanent	White	Matt	Printed Circuit Board and Component process labelling	✓		✓	✓	✓		
B-730	Polyimide	Permanent	Black	Matt	Printed Circuit Board and Component process labelling, especially designed for laser engraving	✓		✓	✓	✓		
B-731	Polyimide	Permanent	Black	Matt	Printed Circuit Board and Component process labelling, especially designed for laser engraving, static dissipative adhesive	✓		✓	✓	✓		✓
B-734	Polyimide		White	Matt	Printed Circuit Board and Component process labelling, especially designed for laser engraving	✓		✓	✓	✓		
B-735	Polyimide		White	Matt	Printed Circuit Board and Component process labelling, especially designed for laser engraving, static dissipative adhesive	✓		✓	✓	✓		✓
B-777	Polyimide	Permanent	White	Gloss	Printed Circuit Board and Component process labelling, resists to aggressive cleaning processes, ideal for small font printing	✓		✓	✓	✓		
B-7797	Polyimide	Permanent	White	Gloss	Printed Circuit Board and Component process labelling, especially designed for auto-apply	✓		✓	✓	✓		

Auto-apply masking film

Diagram	Order Reference	Colour	Finish	Diameter C (mm)	Vertical Repeat D (mm)	Labels per Roll
B-7634: Polyimide						
✖	CMKC-0197-7634	Transparent	Gloss	5.00	8.13	5000
✖	CMKC-0236-7634	Transparent	Gloss	6.00	8.89	5000
✖	CMKC-0276-7634	Transparent	Gloss	7.00	10.16	5000
✖	CMKC-0315-7634	Transparent	Gloss	8.00	10.92	5000
✖	CMKC-0354-7634	Transparent	Gloss	9.00	12.19	5000
✖	CMKC-0394-7634	Transparent	Gloss	10.00	12.95	5000
✖	CMKC-0433-7634	Transparent	Gloss	11.00	13.97	5000
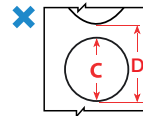
Clean Liner Technology

Brady's traceability labels can be equipped with Clean Liner Technology (CLT), an innovative solution that prevents adhesive bleeding. CLT enables a smooth production cycle by eliminating downtime due to labels not being placed, or due to a fractured liner.

Electrostatic discharge

Brady's B-767, B-768, B-719 and B-731 printed circuit board labels do not contain high charging materials. The labels prevent the build-up of static electricity to protect PCB's from potentially damaging electrostatic discharge.
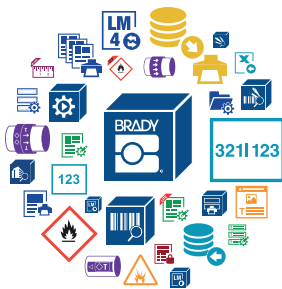
BRADY

Product Information Resources

PCB Automation Web Page

Visit Brady's dedicated web page for printed circuit board identification www.bradyeurope.com/pcb.

You will find links to the full offer of materials suitable for PCB labelling as well as a range of automated print & apply systems.

Design any label with Brady Workstation apps

Brady Workstation offers professional, intuitive apps to design quality product and cable labels and safety signs.

With Brady Workstation label design becomes easier, faster and quickly adaptable to new label norms thanks to centralised updates. For more information visit www.bradyeurope.com/workstation.

Find us on YouTube

On Brady's YouTube channel you can find a quick overview of our wide range of portable and benchtop printers and several how-to videos.
www.youtube.com/bradyeurope

Downloads

Find the latest product updates, manuals, tutorials, printer drivers, product demos and much more for your Brady products on www.bradyeurope.com/downloads.

Brady Technical Data Sheets

For indept information on any Brady material or print ribbon, visit www.bradyeurope.com/tds. To search, you enter keywords pertaining to your desired material or If you know the brady "B"-number for the material, simply enter the appropriate number.

Enter B# (B-XXX) or keyword →

BRADY®

Belgium & Luxembourg
+32 (0) 52 45 78 11
benelux@bradycorp.com

Czech Republic
+420 776 302 229
czechrepublic@bradycorp.com

Denmark
+45 66 14 44 00
denmark@bradycorp.com

France
+33 (0) 3 20 76 94 48
france@bradycorp.com

Germany, Austria & Switzerland
+49 (0) 6103 7598 660
germany@bradycorp.com

Hungary
+36 23 500 275
hungary@bradycorp.com

Italy
+39 02 26 00 00 22
italy@bradycorp.com

Netherlands
+31 (0)70 323 62 98
benelux@bradycorp.com

Norway
+47 70 13 40 00
norway@bradycorp.com

Poland
+48 22 104 6262
poland@bradycorp.com

Qatar, Saudi Arabia & UAE
+971 4881 2524
me@bradycorp.com

Slovakia
+421 902 939 406
slovakia@bradycorp.com

South Africa
+27 11 704 3295
africa@bradycorp.com

Spain & Portugal
+34 900 902 993
spain@bradycorp.com
portugal@bradycorp.com

Sweden, Finland, Estonia, Latvia, Lithuania
+46 (0) 8 590 057 30
sweden@bradycorp.com

Turkey
Istanbul
+90 212 264 02 20
turkey@bradycorp.com

UK & Ireland
+44 (0) 1295 228 288
uk@bradycorp.com

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To help minimise our impact on the environment, Brady limits its number of reprints.

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