BradyPrinter i5100

INDUSTRIAL LABEL PRINTER

Product Introduction
for Brady Distributors

May 1, 2018

Slide deck content

What is i5100?

Overview of Features

- Features that make i5100 unique
- Features that changed from IP
- Features that are important to compare to i7100
- IP-Enabled printing information
- Other useful information & tips

Positioning and Target Users

Offering details

Launch Collateral & Activity

Distributor Resources

What is i5100?

Value proposition

The Perfect Mix of Performance and Smarts

Intelligent printing technology for faster and easier set up and changeovers with the fundamental volume, material and connection capabilities you need in a production-line caliber industrial printer

BradyPrinter i5100
INDUSTRIAL LABEL PRINTER

i5100 is volume printing with an easier experience

Faster easier setups & changeovers: easy-install supply rolls and IP-enabled supplies for auto-printer setup, auto software label setup and key part info on the display

Less trial & error: take the guesswork out of heat speed and sensor settings—the supplies, printer and software all communicate

Full performance: you won't sacrifice fundamental performance for ease of use….mid-to-high volumes, 3" core roll sizes, most common materials, labels down to 0.20", standard connection ports, standard and auto-cut printing in 300 and 600dpi

Aesthetic refresh of IP printer with some improvements

i5100 has the same core functionality as IP…
plus a new look, better interface and a few improvements

IP Printer

i5100 directly replaces IP

BradyPrinter i5100

IP to i5100 – high level view

i5100 is a refresh of IP printer with some improvements

- New look, new name
- Better minimum label size limit
- Faster processor
- Better display and user interface
- Better roller change-out
- Better communication to market about what IP-enabled supplies do

IP Printer

BradyPrinter i5100

The key “differentiators” of IP/i5100 printer have not changed

- IP-Enabled printing for faster easier setup (“Brady Mode” printing) – *same as IP*
- A few material limitations vs i7100 – *same as IP*

Overview of i5100 Features

Sections of Features Overview:

- Features that make i5100 very unique
- Features that changed from IP to i5100
- Features that are important to compare to i7100
- IP-Enabled printing details

Feature overview:

Features that make i5100 unique

IP-Enabled printing experience “Brady Mode” *(same as in IP)*

Brady Mode Printing is where the printer and software read the RFID tag on the supplies and display info on the screen, set printer settings, and auto-setup the label in Brady software *(see details on upcoming slides)*

Brady exclusive electronics inside printer and on supplies

Same functionality as in the IP but with nicer screen icons

Unique media roll holder for Brady

(same function as IP but new fit)

Roll Holder auto-reads the RFID tag on roll to accomplish Brady Mode Printing benefits

Brady exclusive electronics in holder and printer

Exact same funtionality as in IP printer but new fit because plastic tab had to change by 7mm each side to fit under new curved cover

(see details on upcoming slide: new holder fits both i5100 and IP...old IP holder fits IP only...both holders acommodate same media widths)

Unique ribbon takeup spindle for Brady

(same as in IP)

Securing ribbon takeup with the long green tab is really fast

No cardboard take up core needed

Lever loosens the core to make it easy to remove spent ribbon (to re-use spindle)

Brady exclusive spindle

Some material limitations vs i7100

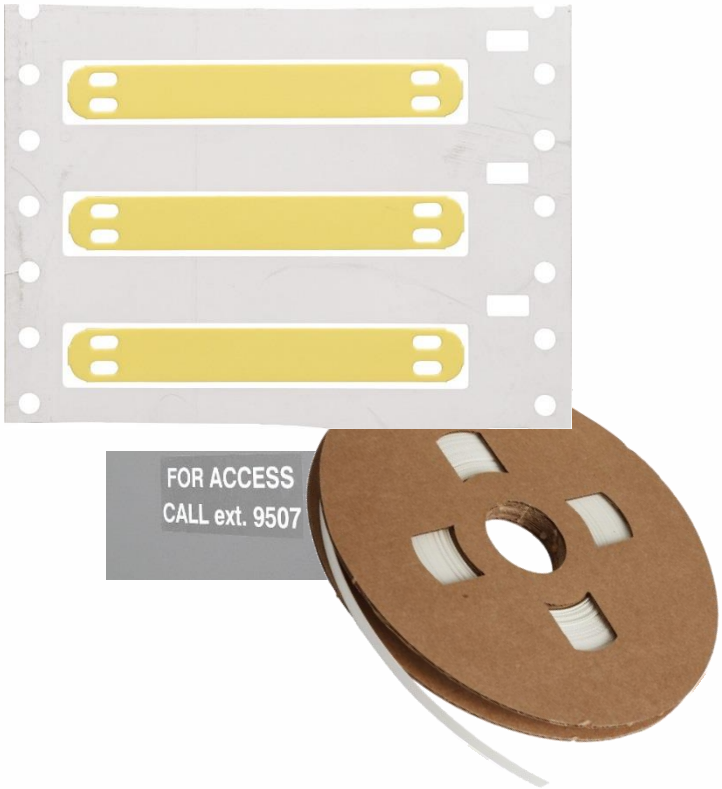
(same as with IP)

IP prints on all the most common 3” core materials but there are a few exceptions

This was the same for IP

Know when to step up to i7100 for certain materials

(see details on upcoming slide)



Feature overview:

What changed from IP to i5100?

Improved New Look

New color, new name

New display, new icons

New cover shape*

* *Required new Media Roll Holder fit – details in upcoming slide*

BradyPrinter i5100
INDUSTRIAL LABEL PRINTER

Improved minimum label size

i5100 can print down to 0.20” in downweb dimension

IP printed down to 0.25” in downweb dimension

improved *i5100 minimum label dimension*

IP minimum label dimension

See guidelines for small label printing on upcoming slide

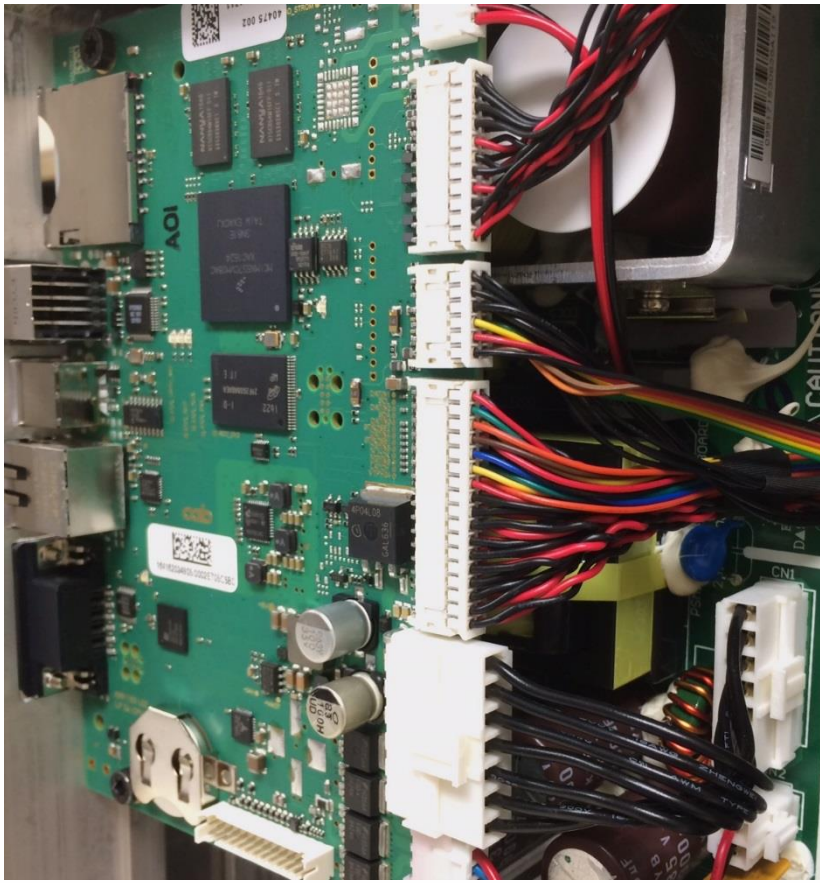
Improved processor & electronics

Faster processor

No more buffer overload issues!

i5100 = 800Mhz clock rate
i5100 = 256MB RAM
i5100 = 50MB Flash memory

IP = 266Mhz clock rate
IP = 64MB RAM
IP = 8MB Flash memory



i5100 and i7100 have same processor...
no more buffer overload issues!

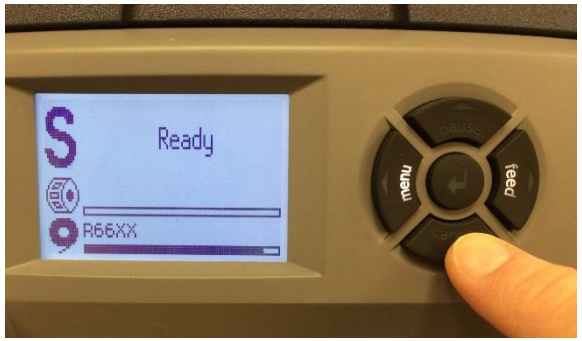
Improved sharper display and user interface

i5100 = Color touchscreen
IP = Monochrome, physical buttons

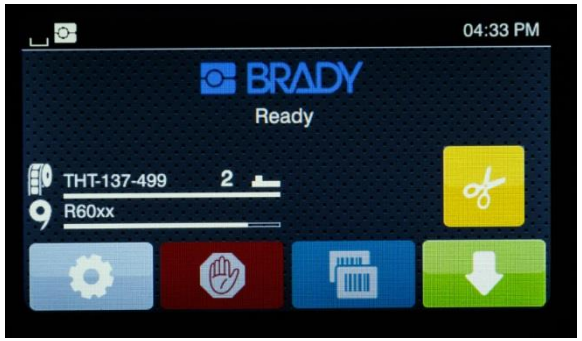
i5100 = 480 x 200 pixel resultion
IP = 120 x 64 pixel resolution

i5100 = colorful icons & sliders
IP = button pushes

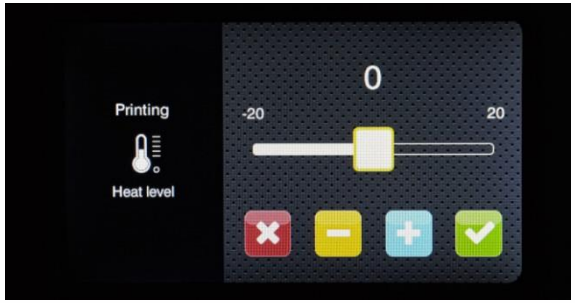
i5100 = on borard how to videos
IP = no videos

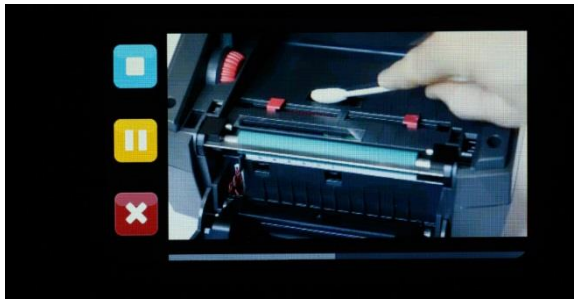


IP



i5100



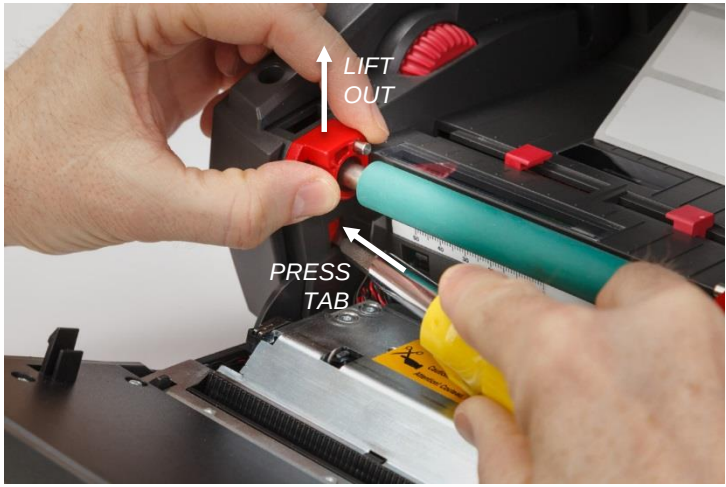


Improved roller change-out

i5100 = red bearings, obvious
IP = black bearings, not obvious

i5100 = easily pop out w/screwdriver
IP = felt like you were breaking printer

i5100 = sell rollers to protect printhead
(see guidelines on upcoming slide)
IP = we didn't offer rollers



new i5100 bearings pop out and snap in very easily!

replacement rollers ship with bearings and gear

Feature overview:

i5100 vs i7100

i5100 vs i7100: High level differences

i5100 easier to load, set up and change supplies

i7100 prints on slightly smaller labels

i7100 is for highest volume and speed

i5100 fixed at 2ips (only for IP-enabled rolls but is acceptable for most Brady applications)

i7100 has slightly wider materials range

i7100 offers unique print options (peel, perf-cut, internal rewind, I/O port)

Both have same display, interface & processor

i5100 vs i7100: Loading supplies

i5100 is drop-in style of loading with less mechanical adjustment

i5100 does have an extra step of loading roll onto holder

i5100 guaranteed correct ribbon ink facing (keyed spindle)

i5100 does not need a cardboard ribbon takeup core

i7100 is traditional thread-thru loading, requires ribbon takeup core, user must know ink-side

i5100 rolls slide right in...ink always faces the right way

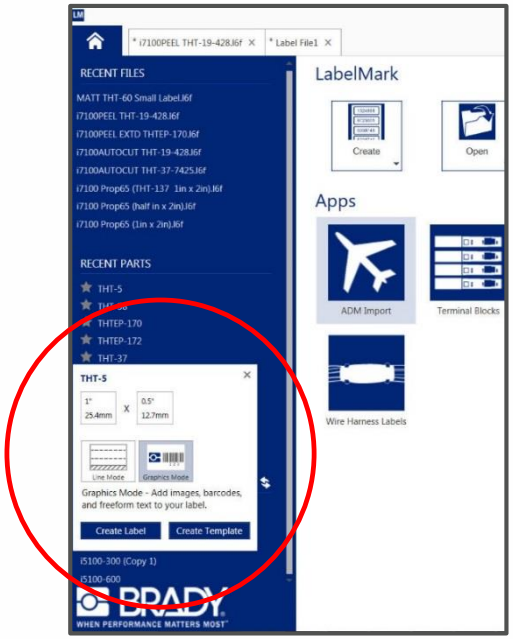
i7100 has extra axle adjustments and you must check ribbon ink first

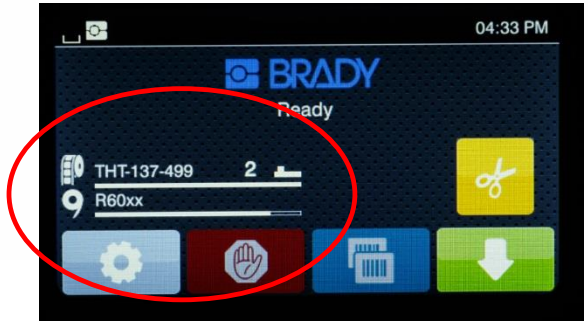
i5100 vs i7100: Printer & label set up

i5100 shows installed supplies & advises where to set sensor

i5100 sends part info to Brady software for auto label setup

i5100 warns if wrong ribbon is installed





i5100 vs i7100: Minimum label size

i7100 is best for the very smallest labels – down to 0.125”

i5100 did improve to 0.20” compared to IP

Regardless of printer, always be aware that many factors influence print success on small labels!

(see guidelines on upcoming slide)

i5100 vs i7100: Volume and speed

i5100 ideal for mid-to-high volumes (5000 per day, 5days/wk*) and when frequent changes are needed

i5100 speed is fixed at 2ips in Brady Mode, 11.8ips max in Standard Mode

(Note: most Brady materials run at 2-3 ips anyhow)

Mid-to-high volume
easiest set-up
Fixed speed
Fewer adjustments
Best for frequent part changes

i7100 is best for highest volumes (7000+ per day, 7 days/wk*)

i7100 can be set to any speed with risk of compromised print quality

Highest volume
The most materials
Best accuracy
Smallest labels
Speed flexibility
more manual adjustments

** directional & comparative guideline only - assumes 1x2" label on basic material*

i5100 vs i7100: Materials offering

i7100 prints on more materials than i5100

material	i5100	i7100
Permasleeve 094 size	NO	YES
Permasleeve HX & ZH	NO	YES
Zip-tie cable tags	NO	YES
Nomex	NO	YES
Durasleeve inserts	NO	YES
White ink printing	NO	YES
Labels smaller than 0.20”	NO	YES
Cores smaller than 3”	3” Brady mode 3” to 4” Standard mode	1.5” to 4”

094 size sleeves

ZH & HX sleeves

Nomex

Durasleeve inserts

Zip-tie cable tags

Tiny labels

White ink

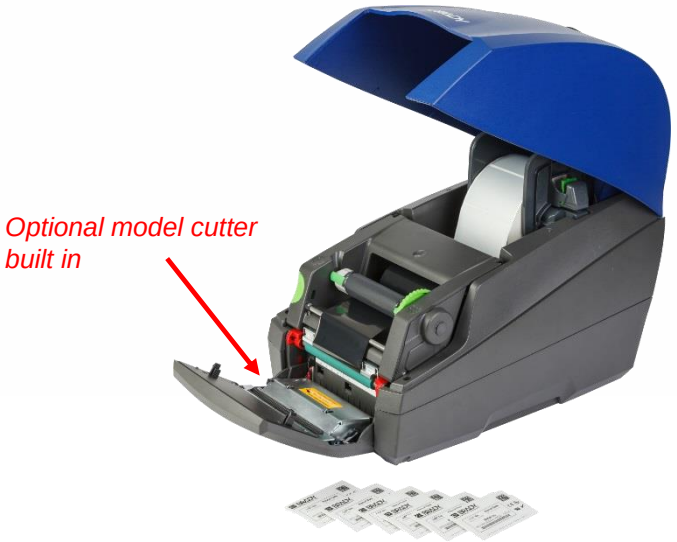
i5100 vs i7100: Auto-cut printing

i5100 has an integrated cutter model, i7100 has an optional field-install accessory

i5100 has a scissors cutter – good for basic applications, larger labels, cut-through only

i7100 has a rotary cutter – good for faster speeds, higher volume and smaller labels

i7100 can do cut-through or perf cut



i5100 vs i7100: Advanced print capabilities

i5100 will not do internal rewind of printed labels

i5100 does not have peel & present capabilities

Peel & Present

Internal rewind

i5100 vs i7100: Connection ports

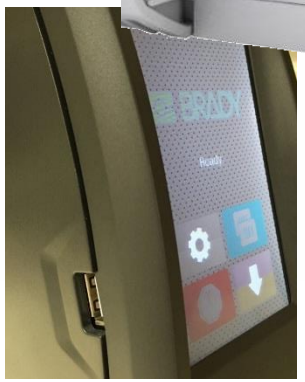
i7100 has more USB ports – more flexibility

i7100 has an I/O interface port

(rerminder: the I/O interface allows the printer to accept inputs and send outputs so it can be be triggered by a remote device like a hand switch, foot pedal, sensor, or a PLC....and at the same time it will issue outputs like status and error messages, signal to a stack light, etc. An I/O port allows the printer to connect in more ways with in a users production environment)

Essential connectivity

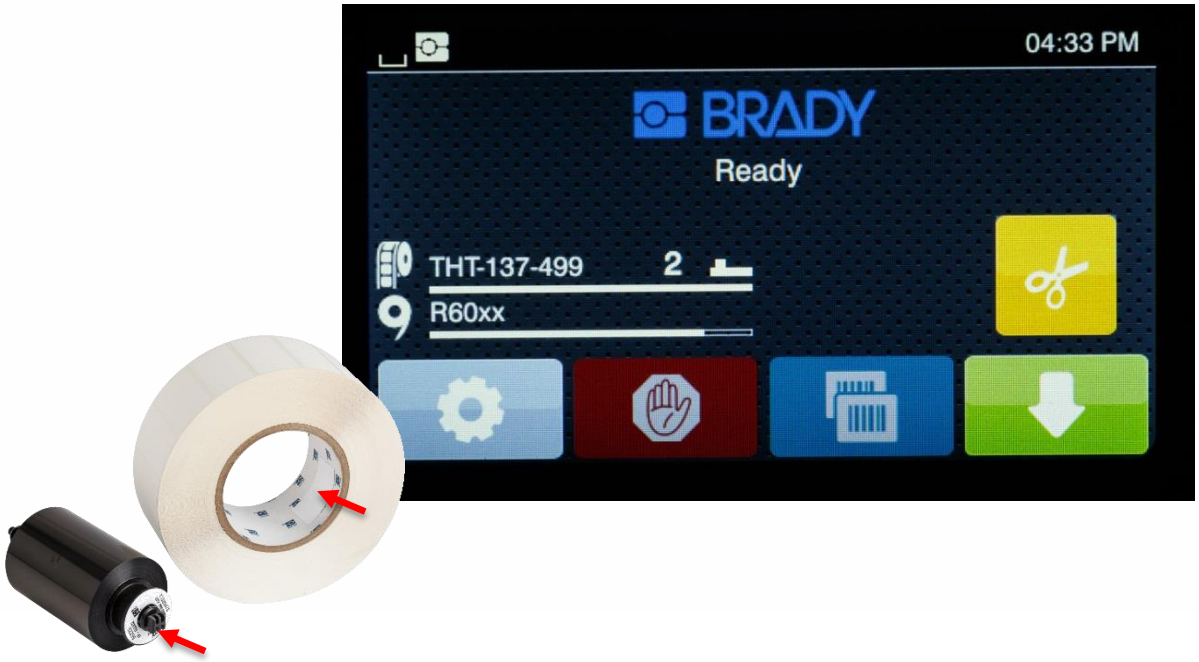
I/O interface



2 extra USB ports in the front

Feature overview:

IP-Enabled printing



Brady IP-Enabled Supplies allow Brady Mode Printing

IP-Enabled: means a roll has an RFID data tag on it

3” core materials made by Brady are IP-Enabled with a tag with some exceptions

Brady Rolls that won’t have the RFID data tag:

- Any core narrower than 1” wide or smaller 3” diameter
- Any metallized material
- Customs that were not requested to have an RFID data tag at time of quote
- Some other parts

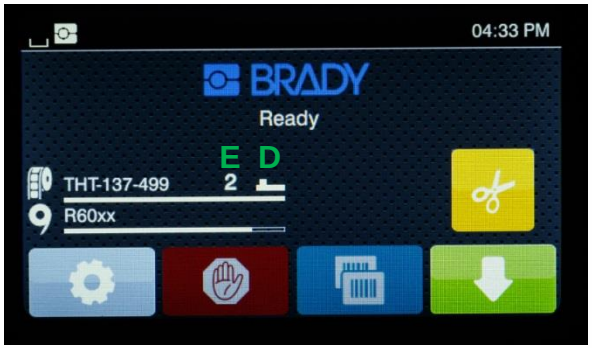
Ribbon is also keyed to guarantee correct install orientation every time

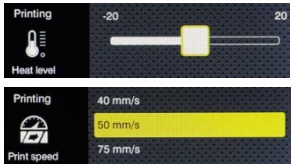
Brady Mode printing

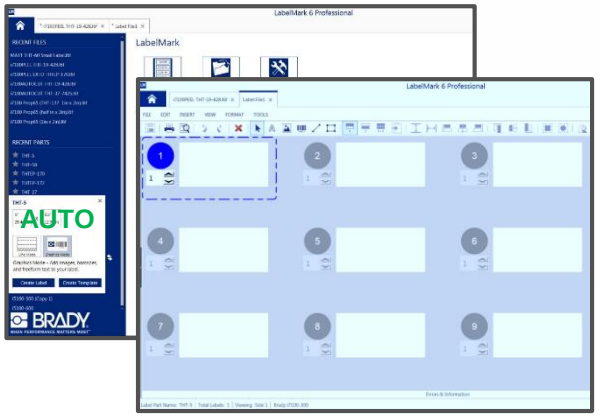
IP-enabled labels installed
IP-enabled ribbon installed

The printer and software read the RFID tag on both rolls and:

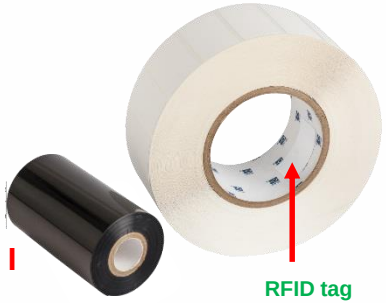
A. Brady icon displays in upper left
B. Label part installed displays w/amt remaining
C. Ribbon part installed displays w/amt remaining
D. Correct sensor is auto-chosen and displayed
E. Displays tells user where to set sensor
F. Heat and Speed are auto-set for the installed materials
G. Warning will appear if wrong ribbon is installed
H. Brady software can auto-detect part from printer and set up the label on PC screen
I. Ink side of ribbon guaranteed to face correctly







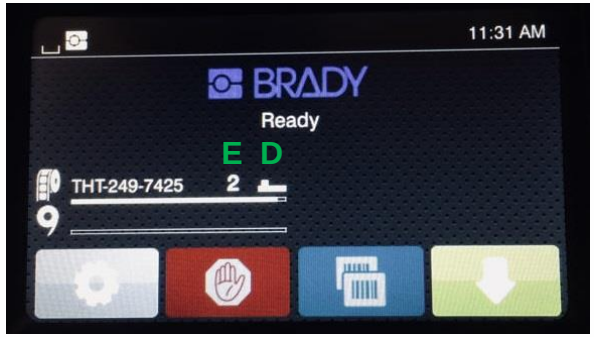
Partial Brady Mode printing

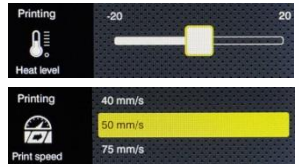


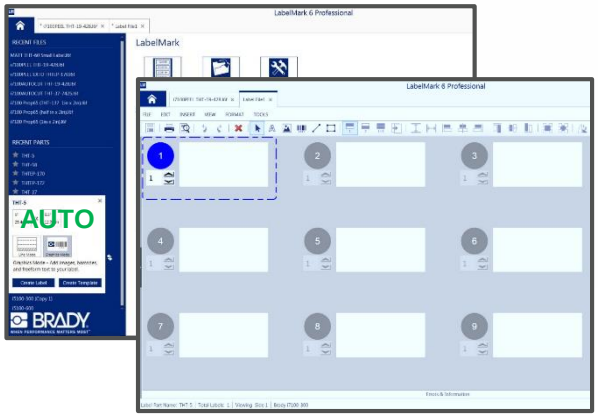
IP-enabled label roll istalled
non-IP-enabled ribbon installed

The printer and software read the RFID tag on the label roll only and:

A. Brady icon displays in upper left
B. Label part installed displays w/amt remaining
C. No ribbon part displays
D. Correct sensor is auto-chosen and displayed
E. Displays where user should set sensor
F. Heat and Speed are auto-set for the installed materials
G. User must know which ribbon to use (no warning if wrong)
H. Brady software is able to auto-detect part from printer and set up the label on PC screen
I. User must know correct ink-facing of ribbon





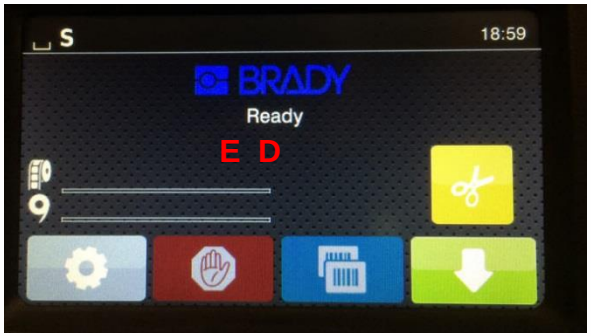


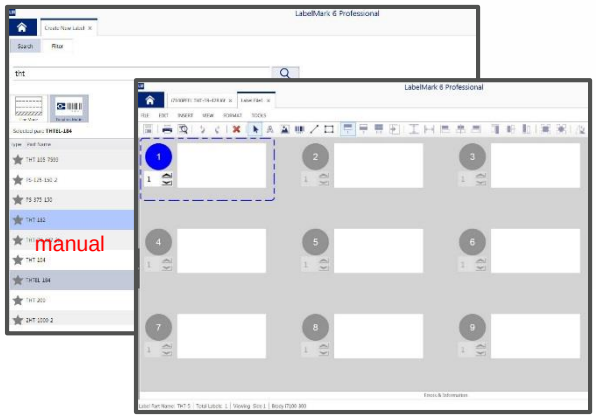
Standard Mode printing

non-IP-enabled label roll istalled
non-IP-enabled ribbon installed

Manual set up—no supply data for printer to read so:

A. S icon displays in upper left
B. No label part displays
C. No ribbon part displays
D. User must know which sensor to use and select it manually
E. User must set sensor by visual trial & error
F. User must set heat and speed by results trial & error
G. User must know which ribbon to use (no warning if wrong)
H. User must manually set up label in PC software, or, select from a list of label parts if it is a *Brady* non-IP-enabled roll
I. User must know correct ink-facing of ribbon



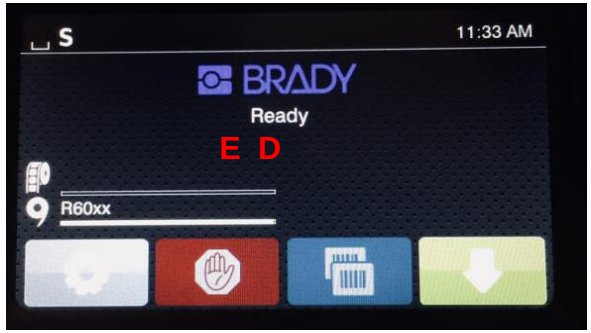


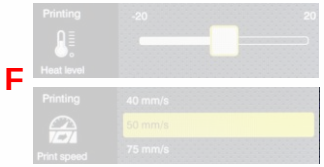
Partial Standard Mode printing

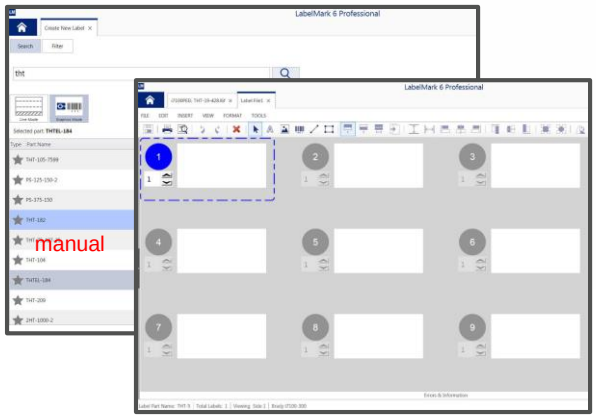
non-IP-enabled label roll istalled
IP-enabled ribbon installed

Mostly a manual set up—printer reads RFID tag on the ribbon roll only and:

A. S icon displays in upper left
B. No label part displays
C. Ribbon part installed displayed w/amt remaining
D. User must know which sensor to use and select it manually
E. User must set sensor by visual trial & error
F. User must set heat and speed by results trial & error
G. User must know which ribbon to use (no warning)
H. User must set up label in PC software or, select from a list of label parts if it is a *Brady* non-IP-enabled part
I. Ink side of ribbon guaranteed to face correctly







Feature overview:

Other details & best practice

Loading sequence

Get in the habit of loading media roll first

Avoids need to remove ribbon if you need to change gap sensor switch

1.

2.

Get extra ribbon spindles for faster loading

Demo ribbon loading with ribbon mounted to takeup spindle

Sell spare ribbon spindles

Storing partially-used ribbons "already-mounted-on the spindle" makes loading even faster!

What's different about the new media roll holder?

New Holder replacing IP holder

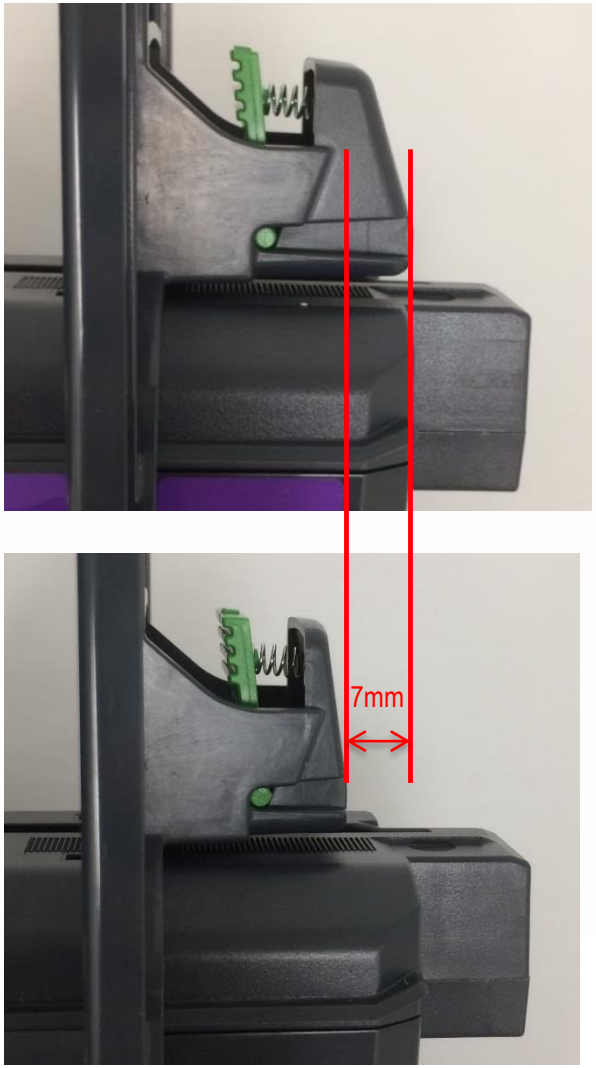
Old IP holder fits IP only *(cannot close lid on i5100)*

New holder fits i5100 and IP

No loss in media width with new holder

Both holders have same electronic function

7mm of plastic removed from both sides to allow new cover to close



OLD IP holder

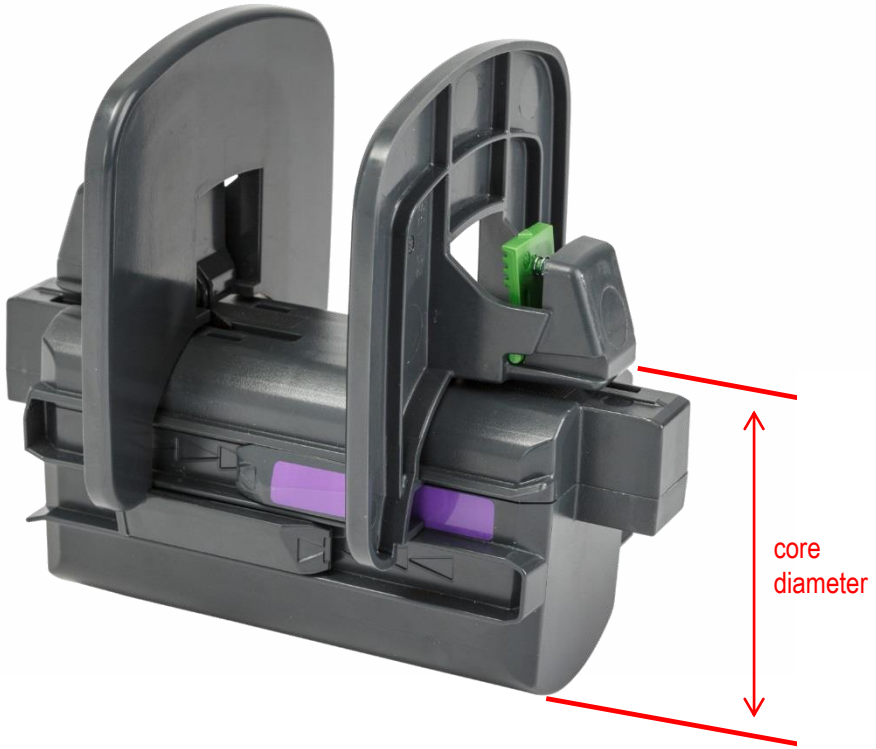
NEW holder

disregard colored stickers in photo

Roll Holder core size limit

In Brady Mode: 3” core IP-Enabled only

In Standard Mode: 3” to 4” core



Guidance on printing small labels

Multiple factors affect small label print performance

Always test to the users application for tiny labels

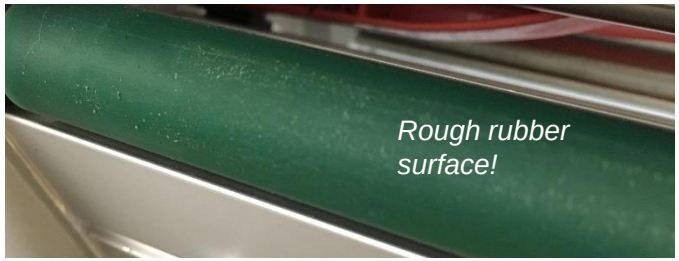
Success influenced by multiple factors:

- Print speed (ips)
- Heat setting
- Size of print job (qty printed at once)
- Text layout (close to edge, not close to edge)
- Tear-off, backfeeding, peeling

Top reasons for blown print heads

Worn roller: wears on print head

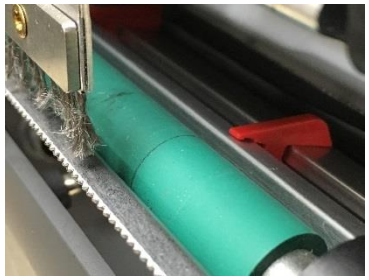
Worn rollers look rough and have burrs on the rubber surface



Worn rollers are rough--replace immediately!

Dirty roller: wears on print head

Easy to clean if you have the cleaning kit



Clean rollers & print head often! – use PCK-6

Wide rollers with narrow media: wears on print head

Print head & bare roller should never touch!

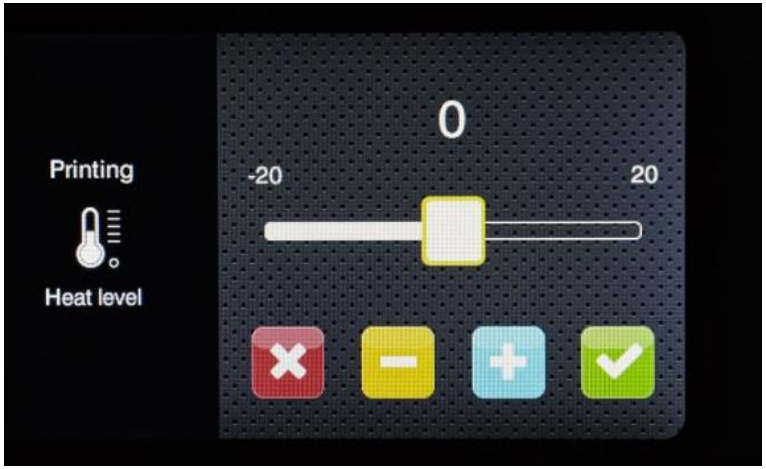
*Pair narrow rollers with narrow media – **roller must be wider than media and ribbon must be wider than roller***

Top reasons for blown print heads

Too much heat: wears on print head

Brady Mode optimizes heat (doesn't allow needless overburning)

Note: When in Standard Mode, run the lowest heat that provides good print...remember the heat setting in driver and heat setting on printer add together!



Print head best practice: cleaning extends print head life

Clean the print head often!

Clean the roller often!

PCK-6 Cleaning Kit should always be sold with a printer

Remember smart roller usage!

Ask about planned usage of narrow media – sell extra rollers and narrow rollers with the printer

*Cat # **PCK-6***
(box of 50 swabs)

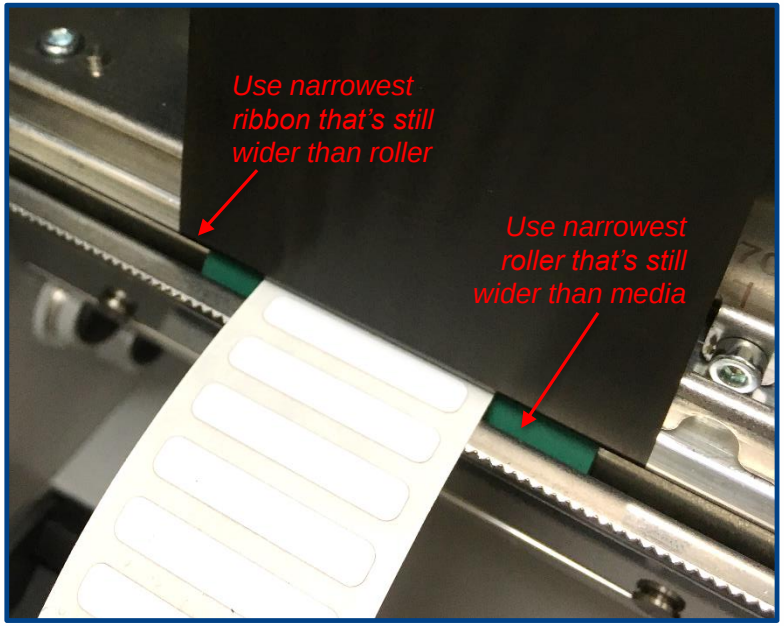
Pairing narrow rollers to narrow media extends print head life

Reduces wrinkling

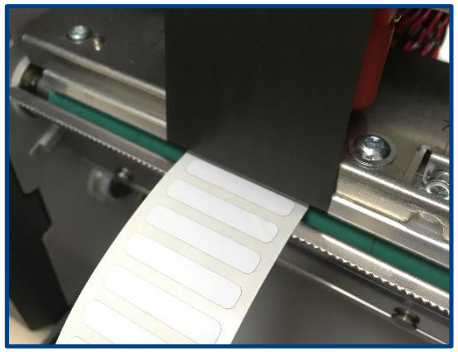
Reduces friction on print head

Lowers ribbon cost

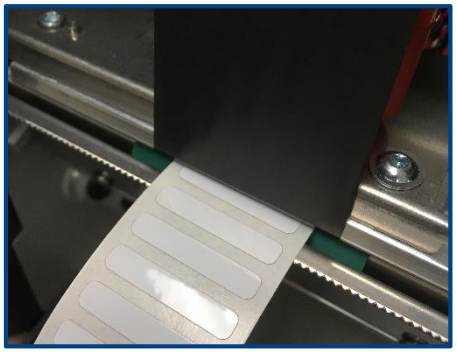
Bare roller should never touch print head



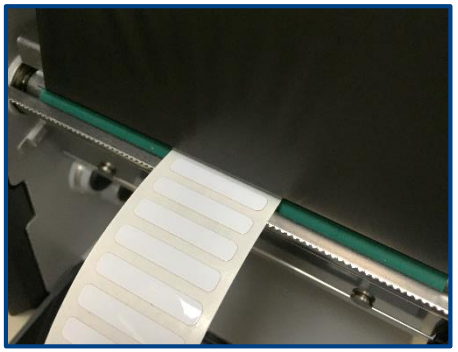
***Ideal setup** – roller just wider than media, ribbon just wider than roller, bare roller never touches print head*



***Bad:** Bare roller touches print head!*



***Bad:** Bare roller touches print head!*



***Okay:** but why waste ribbon & invite wrinkling?*

Positioning & Target Users

Brady PWID Benchtop Printers

PRICE

FUNCTIONALITY, SPEED, VOLUME

BBP12
$890

300 dpi
No autocut
No peel
Lower volume
0.40” min label

BBP33
$1400

300 dpi
Autocut
No peel
Full hassle-free
Low-mid volume
0.25” min label

IP
$2100

300 dpi
600 dpi
Autocut option
No peel
s/w reads supply
Mid-to-high volume
0.25” min label

i7100
$2520

300 dpi
600 dpi
Autocut option
Perf cut option
Peel option
4” or 6” wide option
Left-or center justify option
The most materials
High speed
High volume
0.20” min label

Brady PWID Benchtop Printers

PRICE

FUNCTIONALITY, SPEED, VOLUME

BBP12
$890

300 dpi
No autocut
No peel
Lower volume
0.40” min label

BBP33
$1400

300 dpi
Autocut
No peel
Full hassle-free
Low-mid volume
0.25” min label

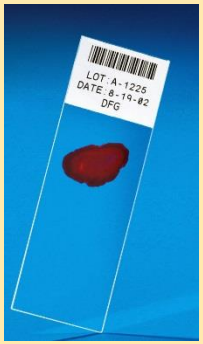
i5100
$2250

300 dpi
600 dpi
Autocut option
No peel
s/w reads supply
Mid-to-high volume
0.20” min label

i7100
$2520

300 dpi
600 dpi
Autocut option
Perf cut option
Peel option
No 6” wide option
The most materials
High speed
High volume
Center-justified
0.125” min label

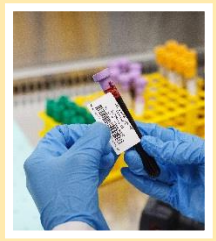
Primary target markets & applications

	Any User who has higher volumes and changes parts during a shift
Users	• The quick loading rolls and ribbons make supply changeovers faster and far less tedious • The screen advising the user where to set the sensors and warning of incorrect ribbon are very beneficial • The ability to detect installed label from Brady software is very convenient and a big time saver
Applications	

Primary target markets & applications

	Basic Electrical & ADM	Electronics / Product ID
Users	• Panel & switchgear shops • Electrical contractors • Automation & electrical engineers • ADM manufacturers • Installers, field techs, electricians • Wire/cable harness assembly • *Not recommended if zip-tie cable tags, 094 sleeves, ZH / HX sleeves, Nomex or Durasleeve inserts are needed*	• PC board builders / pick-n-place • PC board manufacturers • ODMs • Product manufacturers • Production managers • Manufacturing engineers • Process leaders • Quality engineers/mgrs. • *Not recommended if labels smaller than 0.20" are needed*
Applications	 	

Secondary target markets & applications

	Laboratories	General Industrial ID
Users	• CRO's • Academic label & universities • Life sci & biotech labels • Lab manager • Lab techs • Research assistants • PI's	• Asset ID • Shelf & part # labels • misc industrial ID • Logistics / warehousing
Applications		

Offering Details

	149455	I5100 Industrial Labe Standard Version, 6
	149453	I5100 Industrial Labe Auto Cutter Version,
	149456	I5100 Industrial Labe Auto Cutter Version,

Accessories

	Catalog #	Description
	149470	Spare I5100/IP Media Holder, Auto-detect
	149562	Spare I5100/IP Ribbo Takeup Spindle
	149131	USB WLAN Stick
	149060	USB Bluetooth Adapt
	149563	RS232 Cable

laceable print rollers

imize wear on print head by pairi
edia and ribbon is wider than roller

	Catalog #	Description
	149471	Print Roller 120 mm
	149598	Print Roller 80 mm
	149473	Print Roller 50 mm

Printer configurations and pricing

List Pricing

	Standard model	Auto-Cut model
i5100 300 dpi	$2,250	$2,775
i5100 600 dpi	$3,420	$3,995

Reason for higher price

Improved components & functionality

Comes standard with Brady Workstation PWID Suite (a $250 value)

What's in the box...

Printer

BWS PWID Suite (booklet w/ 1-of-kind activation code)

1 Auto-detect Roll Holder

1 Brady takeup spindle

USB cable

Power cord

Printed user manual (english)

Product CD

- driver
- config/settings/menu tree manual (english only)
- user manual in international languages*

user manual languages: *Bulgarian, Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, Swedish, Turkish*

Standard model vs AutoCut model

Standard Model

Bult-in tear bar

For:

Basic printing

Auto-Cut Model

Built-in autocutter in front panel (A)

Tear bar also installed standard

For:

Basic printing and Auto-cut printing

Rollers

Ship complete with red bearings and the black gear

Note: these are not in any way interchangeable with i7100 rollers

Snap easily in and out with narrow screwdriver or tool

Other key accessories

Cleaning swabs – #PCK-6

Sell these and spare rollers up front with printer!

Establish the print head care discipline at time of printer sale!

WLAN USB stick

For wireless network connection (same part that fits i7100)

Wireless Bluetooth USB adapter

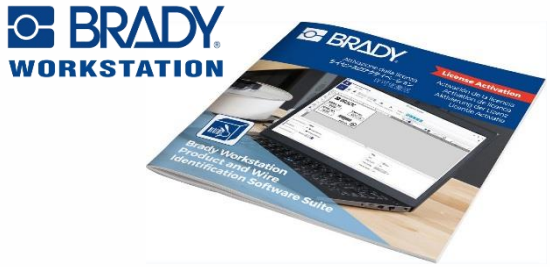
For bluetooth connection (same part that fits i7100)

Software compatibility

Brady Workstation v4.1 or newer
(PWID Suite activation code included w/printer in NA)

LabelMark v6.6.1 or newer

3rd Party software Win driver



About CodeSoft compatibility

Using Codesoft with Win driver results in poor print quality on Brady printers

Using Codesoft with an internal CS driver for that printer yields good print quality
(it's Teklynx's decision to develop internal drivers)

i5100 will not launch with an internal CS driver (in discussion with Teklynx)

Use BWS or LabelMark for best print quality

Launch Resources

Brochure

Expanded to sell value

Includes spec sheet

Includes accessories

Explains more functionality

Order Y4648106

Specification sheet

Specs on 72 printer characteristics

(IP had only a handful)

BRADY

BradyPrinter i5100 Industrial Label Printer Specifications

When you're looking for a printer with the fundamental printing capabilities for the work you need to get done every day, look no further than the i5100 printer. You'll get the perfect combination of high-volume performance and smart printing technology to make high-mix printing easier throughout your facility.

Model(s):	
Model name	i5100 Industrial Printer
Media alignment	Center justified
User interface:	
Display type	Touchscreen color LCD
Display size (diagonal)	4.3 in.
Display resolution (h x w)	272 x 480 pixels
Display languages	Arabic (Egypt), Bulgarian, Chinese (simplified), Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Korean, Lithuanian, Macedonian, Norwegian, Persian (Farsi), Polish, Portuguese, Romanian, Russian, Serbian, Slovenian, Spanish (Castilian), Spanish (Mexico Latin Amer), Swedish, Thai, Turkish
Display status bar	Brady mode or standard mode, ribbon and label part number installed, amount of supplies remaining, sensor activated, where to set sensor, receiving data, record data stream, ribbon warning, bluetooth, WLAN, ethernet, USB slave, time, presence of SD card and USB stick

Print Head / Printing Characteristics:	
Print resolution	300 dpi 600 dpi
Print method	Thermal transfer (300 or 600 dpi) Direct thermal (300 dpi - material & printhead dependent)
Print color capability	Single print color
Print speed	Up to 11.8 in/sec (300 dpi) Up to 5.9 in/sec (600 dpi)
Print width (max. cross-web)	4.16 in.
Print length (max. down-web)	6.6 ft.
Media cut-off	Tear bar, optional auto-cutter model

Media Characteristics:	
IP-enabled printing	Yes - reads IP-enabled supplies for Brady Mode printing
Media width (cross-web incl liner)	0.24 in. to 3.35 in. (continuous sleeves) 0.36 in. to 4.49 in. (other materials)
Label width (cross-web)	0.20 in. to 4.33 in. 0.20 in. minimum (w/no backfeed) 0.50 in. minimum (w/backfeed) 0.47 in. minimum (if cutting single label)
Label length (down-web)**	0.0024 in. to 0.029 in. (label materials) 0.070 in. max (B-593 push button material) 0.043 in. max (heat shrink sleeves)
Media thickness	8.07 in.
Media roll o.d. (max)	3.0 in. to 3.94 in.
Media roll core i.d.	Outside or inside
Media roll winding	n/a
Internal rewind takeup roll o.d (max)	
Internal rewind takeup roll core i.d.	
Internal rewind takeup roll winding	
Media styles	Die cut media, continuous media, 3 in. core roll-fed media, fanfolded media (external feed), tagstock liner-mounted, tagstock linerless, perforated materials, adhesive labels, heat-shrink sleeves size 125 and larger (single sided), continuous sleeves size 125 and larger externally fed, self-laminating cable labels, raised panel push button labels (with no autocut), rapido-style cable tags, Permashield style labels
Media material types****	IP-Enabled media and ribbon rolls (for Brady Mode printing), PE (polyethylene), PET (polyester), PET Metallized, PU (polyurethane), PVC (vinyl), PVF (polyvinyl fluoride), PVDF (polyvinylidene fluoride), PP (polypropylene), PI (polyimide), polyamide, polyether polyurethane (Freetex™), raised panel push button material, paper, destructible materials, tamper-evident and tamper-resistant materials, other materials not listed
Media parts offering	2300+ stock parts and custom (made-to-spec) parts

Ribbon Characteristics:	
Ribbon length (max)	1000 ft.
Ribbon roll o.d. (max)	2.74 in.
Ribbon roll core i.d.	No core needed (IP-enabled supplies), otherwise 1 in.
Ribbon width (cross-web)****	1.0 in. to 4.49 in.
Ink side	Inside or outside wound

Electronics:	
Processor	32 bit 800 MHz clock rate
Memory (RAM)	256 MB
Data storage (IFFS)	50 MB
SD card slot (SDHC, SDXC)	512 GB max
Internal battery	For internal date & time (RTC)
Data storage when power off	Yes

Physical / Operational Characteristics:	
Dimensions (closed) (h x w x d)	12.5 in. x 9.5 in. x 17.1 in.
Weight (empty)	14.6 lbs
Power supply	100 - 240V AC, 50/60 Hz, PFC
Power consumption	<10W standby / 150W typical / 300W max
Operating environment	0 - 40°C / 10 - 85% RH non condensing
Storage environment	0 - 60°C / 20 - 85% RH non condensing
Transport environment	-25 - 60°C / 20 - 85% RH non condensing

Learn more at BradyID.com/i5100

Approvals	CE, FCC class A, cUL. Contact Brady for up-to-date list of environmental compliance information and agency approvals and/or marks covering over 75 countries (awarded or applied for)

Graphics:	
s (resident)	6 bitmap fonts - including OCR-A, OCR-B 3 vector fonts - Swiss 721, Swiss bold 721, Monospace 821
(storable to printer)	TrueType fonts storable to printer via jump drive
utes	Bold, italic, underlined, outline, negative
ng (bitmap)	Width & height range: 0.039 in. to 0.12 in. depending on font Zoom factor: settings 2 to 10 rotation: 0°, 90°, 180°, 270°
ng (vector & truetype)	Width and height range: 0.35 in. to 5.04 in. Zoom factor: variable (dot-by-dot) rotation: 360° in steps of 1°
sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 to-10 and -13 to -16, Win OEM 720, UTF8, Macintosh, Roman, DEC MCS, KO18-R, All West and East European characters and Latin, Cyrillic, Greek, Hebrew, Arabic, simplified Chinese, and Thai characters are supported
lements	Arrows, lines, rectangles, circles, ellipses; filled and filled with fading
ormats	PCX, IMG, BMP, TIF, MAC, PNG

Symbologies - linear	Code 39, Code 39 Full ASCII, Code 93, Code 128 A, B, C, Codabar, Deutsche Post (indent- and routing), EAN 8, 13, EAN/UCC 128/GS1-128, EAN/UPC Appdx 2 and Appdx 5, FIM, HIBC, Interleaved 2/5, JAN 8, 13, MSI, Plessey, Postnet, RSS 14, UPC A, E, E0
Symbologies - 2D	Aztec, DataMatrix, QR Code, PDF 417, UPS MaxiCode, GS1 Databar, Codablock F, Micro PDF 17, RSS 14 (truncated, limited, stacked, stacked omni-dir), EAN/GS1 DataMatrix
ttributes	Sizing: variable in height, modular width and ratio Rotation: 0°, 90°, 180°, 270°

& Connection:	
-Speed device port	For PC connect
ost (back panel)	For scanner, keyboard, USB memory stick, USB bluetooth adapter, USB WLAN stick w/ antenna
C	For serial cable connection. 1,200 - 230,400 baud/8 bit
et 10/100 BASE-T	For networking, remote access, and firmware updates
	For memory card (SDHC, SDXC)

Software & Firmware:	
Label creation software	Brady Workstation (v4.1 or newer) & Workstation apps
WHQL certified windows® drivers****	Brady LabelMark Software (v6.6.1 or newer) Windows 7, 8, 8.1, 10, Server 2008, 2008 R2, 2012, 2012 R2, 2016
Printer command language	Jscript - scripting commands for sending scripts to the printer
Printer compiler language	abc basic - for placing embedded logic programming & prompts onto the printer
Printer administration / monitoring	Web-based remote access - allows printer control, configuration, firmware updates, memory card admin and time/date synchronization, and will send printer status, and error messages to users
Open source software	Go to www.BradyID.com/i5100compliance for a list of open source software files used in this product

Options / Accessories:	
Replacement print heads	Factory installed via Brady tech repair
Replacement print rollers***	Variable widths to protect print head with narrow supplies - field installable
Auto cutter	Optional auto cutter model

** User should test to the application. Print performance on small labels or a part that is below the minimum label dimension spec. is dependent on multiple factors including print speed, qty in print run, heat setting, and the size/layout of the printed elements.

*** User narrow print roller with narrow media, but to avoid head damage, ALWAYS be sure roller is wider than total media width, and ribbon is wider than the roller width.

**** Windows® is a registered trademark of Microsoft Corporation.

For more information, visit BradyID.com/i5100

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Inside Sales: 1-888-311-0775
BradyID.com

Canada
Customer Service: 1-800-263-6179
BradyCanada.ca

Mexico
Customer Service: 1-800-262-7777
Inside Sales: 1-800-262-7777 ext 177
BradyLatinAmerica.com

BRADY

Comparison chart - IP vs i5100

Snapshot of key differences

Good for IP owners adding i5100 the their fleet

BradyPrinter i5100 vs. IP Printer What's Changed?

Get the perfect mix of performance and smarts with the new BradyPrinter i5100 industrial label printer. In addition to a new look and name, we've included functional enhancements in the new i5100 printer from its predecessor the IP Printer.

Key Features	IP Printer	i5100
Models / print resolution	Standard model - 4 in. wide, center align (300 and 600 dpi) Auto-cut model - 4 in. wide, center align (300 and 600 dpi)	Standard model - 4 in. wide, center align (300 and 600 dpi) Auto-cut model - 4 in. wide, center align (300 and 600 dpi)
Media alignment	Center aligned	Center aligned
Media loading	Top-load, keyed supplies for faster easier drop-in-style set up. IP roll holder does not fit i5100 for 4 in. wide rolls	Top-load, keyed supplies for faster easier drop-in-style set up New roll holder will fit IP for 4 in. wide rolls
Printing modes	Brady mode (IP-enabled use w/ faster easier changeovers and auto-setup) standard mode (traditional manual setup and adjustment steps)	Brady mode (IP-enabled use w/ faster easier changeovers and auto-setup) standard mode (traditional manual setup and adjustment steps)
Typical volume and usage expectation	5000 labels/day, 8 hr/day, 5 days/wk (assuming 1 x 2 in. basic label)	5000 labels/day, 8 hr/day, 5 days/wk (assuming 1 x 2 in. basic label)
Display and user interface	2.8 inch, 64 x 128 pixels, mono screen with button navigation, "aged" interface to change settings	4.3 inch, 272 x 480 pixels, color touchscreen, very easy interface to change settings
Display content	Basic printer status + part numbers installed, supply remaining, sensor in use, sensor setting (in Brady mode)	Basic info + part numbers installed, supply remaining, sensor in use, sensor setting (in Brady mode)
Print head wear	Earlier generation print head, quieter but shorter life	Hardened sharp-edge print head with narrow width interchangeable platen rollers to reduce wear; louder but longer life
Narrow rollers	Difficult to change, not marketed	Easy to change for optimal print head protection
Print speed	2.0 in/sec (300 and 600 dpi) - in Brady mode up to 7.8 in/sec (300 dpi) - in standard mode up to 3.9 in/sec (600 dpi) - in standard mode	2.0 in/sec (300 and 600 dpi) - in Brady mode up to 11.8 in/sec (300 dpi) - in standard mode up to 5.9 in/sec (600 dpi) - in standard mode
Min. label dimension	0.25 in.	0.20 in.
Max. liner width	4.49 in.	4.49 in.
Max. print width	4.19 in.	4.16 in.
Media roll core	3.0 in. core IP-enabled (for Brady mode use) 3.0 - 3.9 in. core (for standard mode)	3.0 in. core IP-enabled (for Brady mode use) 3.0 - 3.9 in. core (for standard mode)
Ribbon roll O.D.	2.68 in. IP-enabled ribbon (for Brady mode use)	2.68 in. IP-enabled ribbon (for Brady mode use)
Processor 32 bit clock rate	266 MHz	800 MHz for faster printing and to avoid buffer overloads
Memory	64 MB	256 MB
Connectivity ports and options	standard: 2xUSB, Ethernet 10/100 BASE-T, RS232C, 1xUSB 2.0 Hi-speed port for PC	standard: 2xUSB, Ethernet 10/100 BASE-T, RS232C, SD card slot, 1xUSB 2.0 Hi-speed port for PC optional: USB WLAN stick, USB Bluetooth adapter stick
Software compatibility	LabelMark, Brady Workstation, CodeSoft internal driver, 3rd party Windows® based software, direct-to printer scripting	LabelMark (v6.6.1 or newer), Brady Workstation (v4.1 or newer), CodeSoft Win driver, 3rd party Windows® based software, direct-to-printer scripting
Accessories	Spare IP-enabled roll holder, spare Brady ribbon takeup spindle, PCK-6 cleaning swabs	Spare IP-enabled roll holder, spare Brady ribbon takeup spindle, PCK-6 cleaning swabs, narrow-width rollers, WLAN and Bluetooth sticks
Key material types	Die cut media, continuous media, fanfolded media, tagstock liner-mounted, tagstock linerless, perforated materials, adhesive labels, heat-shrink sleeves size 125 and larger (single sided), continuous sleeves size 125 and larger, self-lam cable labels, raised panel push-button labels, rapido-style cable tags, Permashield-style labels	Die cut media, continuous media, fanfolded media, tagstock liner-mounted, tagstock linerless, perforated materials, adhesive labels, heat-shrink sleeves size 125 and larger (single sided), continuous sleeves size 125 and larger, self-lam cable labels, raised panel push-button labels, rapido-style cable tags, Permashield-style labels
Size (H x W x D)	12.3 in. x 9.4 in. x 17.1 in.	12.5 in. x 9.5 in x 17.1 in.
Weight	13.2 lbs	14.6 lbs

BradyID.com/i5100

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BRADY

Comparison charts – Brady PWID lineup

BRADY

Product & Wire Identification Benchtop Printer Comparison Guide

BBP®12 Label Printer (300 dpi)	BBP®33 Label Printer (300 dpi)	BradyPrinter i5100 (300 dpi) / (600 dpi)	BradyPrinter i7100 (300 dpi) / (600 dpi)	BBP®72 Printer (300 dpi)	Wraptor A6500 (300 dpi)
Top Applications					
General Industrial ID Product ID Lab ID Limited Wire ID	Lab ID Product ID Wire ID Datacomm ID Safety & Facility ID	Product ID Electronics & Circuit Board ID Wire Cable & Panel ID Datacomm ID Logistics/Warehouse ID Lab ID	Wire Cable & Panel ID Product ID Electronics & Circuit Board ID Datacomm ID Logistics/Warehouse ID Raised Panel Push Buttons Nomex® tags	Double-Sided Heat Shrink Wire Sleeves	Wire and Cable ID (B-427, B-499, B-472)

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BradyCanada.ca

Mexico
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Inside Sales: 1-800-262-7777 ext 177
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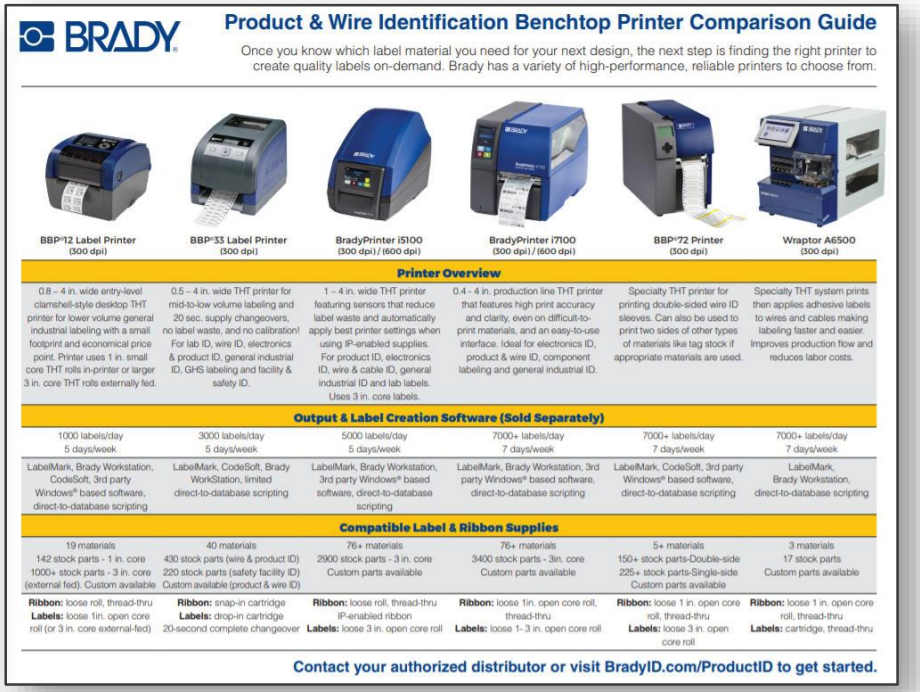
Contact your authorized distributor or visit BradyID.com/ProductID to get started.



BRADY

Product & Wire Identification Benchtop Printer Comparison Guide

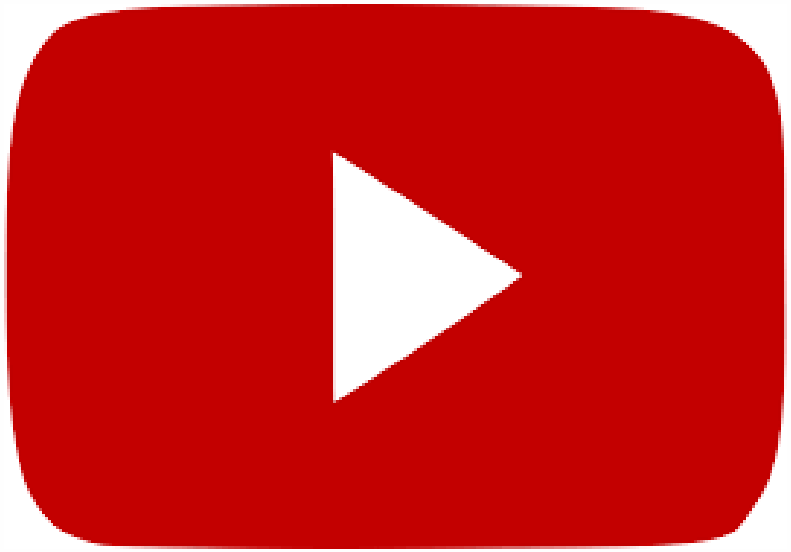
Once you know which label material you need for your next design, the next step is finding the right printer to create quality labels on-demand. Brady has a variety of high-performance, reliable printers to choose from.

BBP®12 Label Printer (300 dpi)	BBP®33 Label Printer (300 dpi)	BradyPrinter i5100 (300 dpi) / (600 dpi)	BradyPrinter i7100 (300 dpi) / (600 dpi)	BBP®72 Printer (300 dpi)	Wraptor A6500 (300 dpi)
Printer Overview					
0.8 – 4 in. wide entry-level clamshell-style desktop THT printer for lower volume general industrial labeling with a small footprint and economical price point. Printer uses 1 in. small core THT rolls in-printer or larger 3 in. core THT rolls externally fed.	0.5 – 4 in. wide THT printer for mid-to-low volume labeling and 20 sec. supply changeovers, no label waste, and no calibration! For lab ID, wire ID, electronics & product ID, general industrial ID, GHS labeling and facility & safety ID.	1 – 4 in. wide THT printer featuring sensors that reduce label waste and automatically apply best printer settings when using IP-enabled supplies. For product ID, electronics ID, wire & cable ID, general industrial ID and lab labels. Uses 3 in. core labels.	0.4 - 4 in. production line THT printer that features high print accuracy and clarity, even on difficult-to-print materials, and an easy-to-use interface. Ideal for electronics ID, product & wire ID, component labeling and general industrial ID.	Specialty THT printer for printing double-sided wire ID sleeves. Can also be used to print two sides of other types of materials like tag stock if appropriate materials are used.	Specialty THT system prints then applies adhesive labels to wires and cables making labeling faster and easier. Improves production flow and reduces labor costs.
Output & Label Creation Software (Sold Separately)					
1000 labels/day 5 days/week	3000 labels/day 5 days/week	5000 labels/day 5 days/week	7000+ labels/day 7 days/week	7000+ labels/day 7 days/week	7000+ labels/day 7 days/week
LabelMark, Brady Workstation, CodeSoft, 3rd party Windows® based software, direct-to-database scripting	LabelMark, CodeSoft, Brady WorkStation, limited direct-to-database scripting	LabelMark, Brady Workstation, 3rd party Windows® based software, direct-to-database scripting	LabelMark, Brady Workstation, 3rd party Windows® based software, direct-to-database scripting	LabelMark, CodeSoft, 3rd party Windows® based software, direct-to-database scripting	LabelMark, Brady Workstation, direct-to-database scripting
Compatible Label & Ribbon Supplies					
19 materials 142 stock parts - 1 in. core 1000+ stock parts - 3 in. core (external fed). Custom available	40 materials 430 stock parts (wire & product ID) 220 stock parts (safety facility ID) Custom available (product & wire ID)	76+ materials 2900 stock parts - 3 in. core Custom parts available	76+ materials 3400 stock parts - 3in. core Custom parts available	5+ materials 150+ stock parts-Double-side 225+ stock parts-Single-side Custom parts available	3 materials 17 stock parts Custom parts available
Ribbon: loose roll, thread-thru **Labels:** loose 1in. open core roll (or 3 in. core external-fed)	**Ribbon:** snap-in cartridge **Labels:** drop-in cartridge 20-second complete changeover	**Ribbon:** loose roll, thread-thru IP-enabled ribbon **Labels:** loose 3 in. open core roll	**Ribbon:** loose 1in. open core roll, thread-thru **Labels:** loose 1- 3 in. open core roll	**Ribbon:** loose 1 in. open core roll, thread-thru **Labels:** loose 3 in. open core roll	**Ribbon:** loose 1 in. open core roll, thread-thru **Labels:** cartridge, thread-thru

Contact your authorized distributor or visit BradyID.com/ProductID to get started.

Media and Videos for i5100

Link to all brochures, images, and digital content can be found in the launch portal here

Overview video for “selling”
avail before June 6

How-to videos for instuctional / help on cleaning, loading, cutting and changing rollers *soon!*