Experience easy. No setup. No adjustments. No waste.

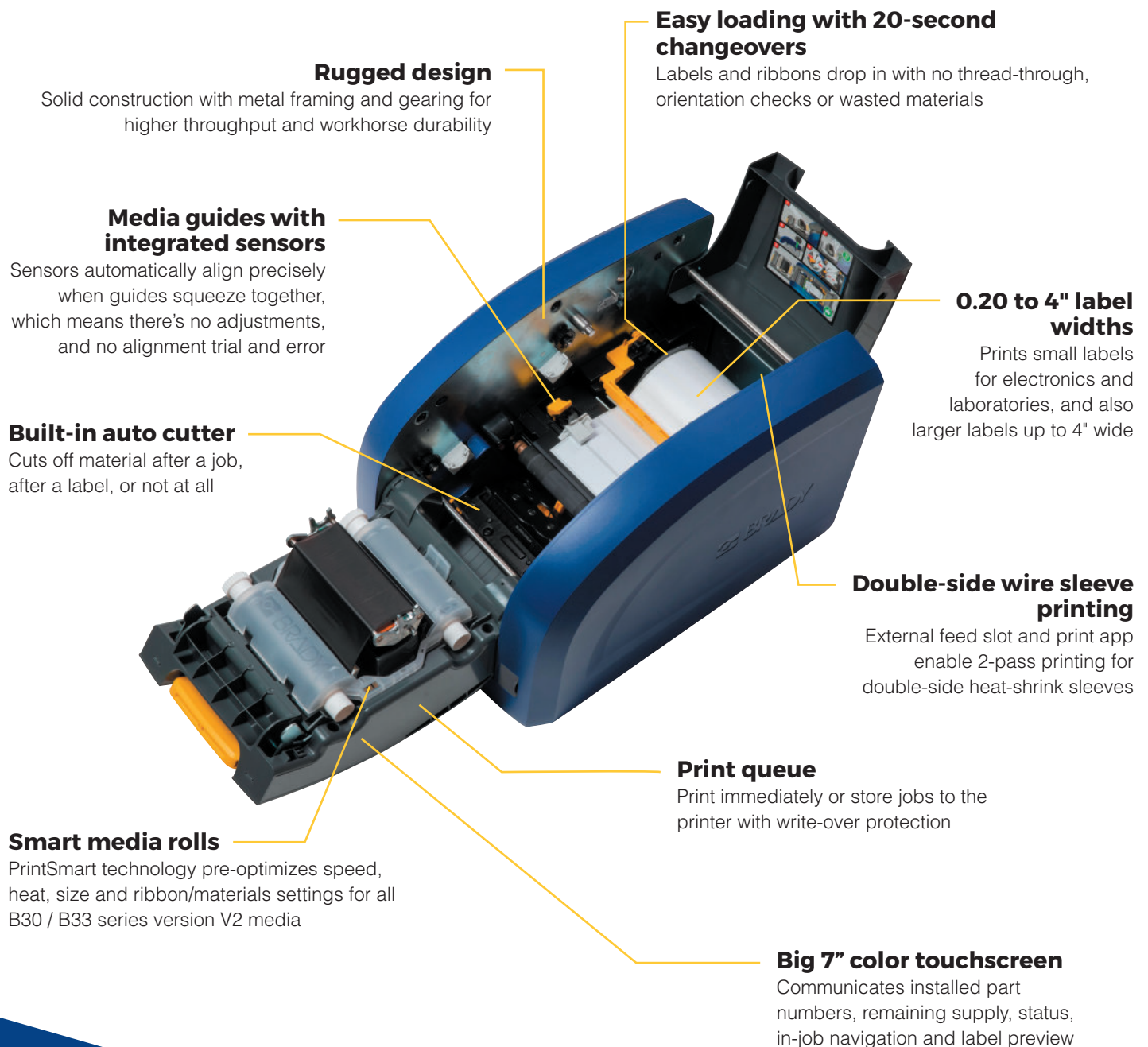## BradyPrinter i5300 Industrial Label Printer

Set up, switch out and print faster than you ever imagined with the BradyPrinter i5300 Industrial Label Printer. It's intuitive, auto-calibrating and precise, printing barcodes and small fonts on labels as small as 0.2". With a solid, metal frame construction, it can handle both high-volume and high-mix labeling applications: electronics and product ID, wire and panel ID, lab ID and safety and facility ID. Also enjoy:

- **No waste** — prints on the very first label to maximize material use (and cut costs)
- **Fast setup** — 20-second material changeovers with no calibration, sensor or print setting adjustments
- **Precision printing** — either 300 or 600 dpi models align and print on labels as small as 0.20"
- **Saves time** — prints fast, and pauses, resumes and stores jobs in a write-protected list
- **Prints thousands of label types** — options for both stock and custom parts

Easy — inside and out.

When it comes to the BradyPrinter i5300 Industrial Label Printer, everything's easy. Taking just seconds to set up and load, it offers a faster, easier start-to-print process. That's because it's designed for efficiency — no setup, no adjustments and no waste. Zero. Enjoy time-saving features like a print queue and interrupt function. Plus, get precision printing on 75 material types and over 1300 parts, with custom parts available. All this so you can reach your high-mix, high-volume printing goals. Ready? We told you it was easy.

Easy loading with 20-second changeovers
Labels and ribbons drop in with no thread-through, orientation checks or wasted materials

Rugged design
Solid construction with metal framing and gearing for higher throughput and workhorse durability

Media guides with integrated sensors
Sensors automatically align precisely when guides squeeze together, which means there's no adjustments, and no alignment trial and error

0.20 to 4" label widths
Prints small labels for electronics and laboratories, and also larger labels up to 4" wide

Built-in auto cutter
Cuts off material after a job, after a label, or not at all

Double-side wire sleeve printing
External feed slot and print app enable 2-pass printing for double-side heat-shrink sleeves

Print queue
Print immediately or store jobs to the printer with write-over protection

Smart media rolls
PrintSmart technology pre-optimizes speed, heat, size and ribbon/materials settings for all B30 / B33 series version V2 media

Big 7" color touchscreen
Communicates installed part numbers, remaining supply, status, in-job navigation and label preview

Printers

Catalog #	
151290	BradyPrinter i5300, 300 dpi, Wi-Fi, Brady Workstation PWID Software Suite
151291	BradyPrinter i5300, 300 dpi, Wi-Fi, Brady Workstation Lab ID Software Suite
151292	BradyPrinter i5300, 300 dpi, Wi-Fi, Brady Workstation SFID Software Suite
151293	BradyPrinter i5300, 300 dpi, Wi-Fi, Brady Workstation GHS Labels Software
151294	BradyPrinter i5300, 600 dpi, Wi-Fi, Brady Workstation PWID Software Suite*
151295	BradyPrinter i5300, 600 dpi, Wi-Fi, Brady Workstation Lab ID Software Suite*
153710	BradyPrinter i5300, 600 dpi, Wi-Fi, Brady Workstation SFID Software Suite*
153711	BradyPrinter i5300, 600 dpi, Wi-Fi, Brady Workstation GHS Labels Software*

*The above part number descriptions do not reflect complete product data — refer to the specification sheet for complete details. **i5300 printers accept all B30 / B33 series version V2 media.***

* 600 dpi model estimated availability in November, 2021.

Accessories

Catalog #	
153661	Field-replaceable Printhead, 300dpi **
153662	Field-replaceable Printhead, 600dpi **
153663	Field-replaceable Print Roller, 115mm wide (T10 wrench required)

Catalog #	
PCK-6	Pre-moistened IPA Printhead Cleaning Swabs
148703	Field-replaceable Media Wiper Arm Pads
STYLUS-CAP	Stylus for use on touchscreen

** Printheads can only be replaced with same dpi (300 with 300, or 600 with 600)

Specifications

Model name	BradyPrinter i5300 Industrial Label Printer	Volume guidelines*	5,000+ labels per day. 5 days per week	Media alignment	Center justified
Printhead / printing characteristics					
Print resolution	300 dpi model 600 dpi model	**Print method**	Direct transfer, thermal transfer	**Cutter type / auto cutter**	Auto cutter built-in (all models)
Print color capability	Color printing capability / single color	**Print job interrupt options**	Resume print job where pause or interruption occurs, or select specific label in job	**Printhead replacement**	Field replaceable (with same dpi only)
Maximum print width (cross-web)	4.015 in.			**Print on demand**	Yes
Maximum print label length (down-web)	5.0 ft.	**Print roller replacement**	Field replaceable (T10 wrench required)	**Print pause**	Yes
Print speed	up to 7 in. / sec - die cuts (300 dpi) up to 10 in. / sec - continuous (300 dpi) up to 3 in. / sec - die cuts (600 dpi) up to 5 in. / sec - continuous (600 dpi)	**Stand-alone print job list on 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.		
Interface					
Display type and size	Color LCD touchscreen	**Display size (diagonal)**	7.0 in.		
Display resolution (h x w)	600 x 1024 pixels	**Display status bar**	Installed ribbon and label part numbers, amount of supplies remaining, Wi-Fi connection, Bluetooth connection, receiving data icon, ready state/error state		
Display languages	Bahasa Indonesia, Bahasa Melayu, Bulgarian, Chinese (simplified), Chinese (traditional), Croatian, Czech, Danish, Dutch, Estonian, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovakian, Slovenian, Spanish, Swedish, Turkish, Thai, Vietnamese				
Interface and connectivity					
PC connection port	1 x USB 2.0 hi-speed device port	**Serial port**	No	**Ethernet**	1 x Ethernet 100 BASE-T	**Bluetooth**	(wireless printer model only) Internal Bluetooth module (future funtionality)
USB host ports	3 x USB 2.0 type A host port (1 front, 2 back)	**SD card slot**	No	**Wireless**	(wireless printer model only) Factory installed Wi-Fi 802.11b/g/n		

Fonts, graphics and barcodes

Character sets	ASCII character set	**Font types (resident)**	Arial, Courier New, MS Gothic, Malgun Gothic, MingLiU, SimSun, Tahoma, Times New Roman, Trebuchet MS, Verdana	**Barcode symbologies — linear**	Code 39, Code 93, Code 128 A, B, C, Codabar, EAN-8, EAN-13, JAN-8, JAN-13, HIBC, Interleaved 2 of 5, Interleaved 2 of 5 w check digit, MSI Plessey, UPC-A
Font types (storable to printer)	TrueType fonts storable to printer via jump drive	**Graphic elements**	Arrow, line, rectangle, square, circle, ellipse, diamond, not, star, triagle, seal, cross		
Font attributes	Bold, italic, underlined	**Graphic formats**	BMP, GIF, JPEG, PNG		
Barcode symbologies — 2D	Aztec, DataMatrix, QR Code, PDF-417	**Barcode attributes**	Sizing: variable in height and ratio Rotation: 0°, 90°, 180°, 270° human-readable and human-readable location density		

Media and ribbon characteristics

PrintSmart technology	Yes - Reads datachip on supplies for no-waste printing, requires no calibration, has pre-optimized energy and speed settings and features auto label setup in Brady software	**Media loading / handling**	Labels: In cartridge, drops into place, 15-second changeover Ribbon: In cartridge, snaps into place, 5-second changeover	**Media roll o.d. (max)**	4.30 in.
		Media parts offering	1300+ stock parts and custom (made-to-request) parts. All B30- and B33- series version v2 parts are compatible in the BradyPrinter i5300	**Ink side**	n/a (ribbon integrated in cartridge — guaranteed correct orientation to printhead)
Sensory and energy setting adjustments	No calibration required, Sensor, Speed and Heat settings are auto-set	**Label width (cross-web)**	0.25 in. to 4.25 in. (continuous linerless media) 0.25 in. to 4.015 in. (other media)	**Label length (down-web)****	0.20 in. minimum (die-cut media). 0.50 in. minimum (continuous media)
Media width (cross-web, including liner)	0.71 in. to 4.25 in.	**Media thickness**	0.0024 in. to 0.031 in. max (label media) 0.070 in. max (B-593 push-button media) 0.043 in. max (heat-shrink sleeves)	**Media roll core i.d.**	n/a (media roll integrated into drop-in cartridge)

Media roll winding	n/a	**Ribbon length (max)**	200 ft.	**Ribbon roll core i.d.**	n/a (ribbon roll integrated into drop-in cartridge)	**Ribbon roll o.d. (max)** : n/a (ribbon roll integrated into drop-in cartridge) **Ribbon width (cross-web)** : 4.33 in.

Media styles	All media is on an integrated cartridge roll with part data on the smart cell. Die-cut media, continuous media, tagstock liner-mounted, tagstock linerless, perforated materials, adhesive labels, heat-shrink sleeves size 094 and larger (single and double-sided with 2-pass print), self-laminating cable labels, cable ties and tags, raised panel push-button labels, rapido-style cable tags, PermaShield-style labels, pre-printed GHS labels, SFID outdoor-grade labels, direct thermal labels
Media material types	PE (polyethylene), PET (polyester), PET (metallized), PU (polyurethane), PVC (vinyl), PVF (polyvinyl fluoride), PVDF (polyvinylidene fluoride), PP (polypropylene), PI (polyimide), polyamide, polyether polyurethane (Heatex™), raised panel push-button material, paper, tamper-evident and tamper-resistant materials, 8-10 year outdoor vinyl, 10-hour glow-in-the-dark material, retroreflective labels, printable floor marking tape, nylon and vinyl cloth, wash-down materials, extreme temperature laboratory materials, slides / lab-staining materials, other materials not listed

Software and firmware

Label creation software	Brady Workstation (v4.12 or newer) and Brady Workstation apps (latest updates)	**WHQL certified Windows® drivers**	Windows 7, 8, 8.1, 10, server 2008, 2008 R2, 2012, 2012 R2, 2017	**Printer command language**	BPL - scripting commands for sending scripts to the printer

Physical / operational characteristics

Dimensions	11.0 in. x 11.2 in. x 15.8 in.	**Power consumption**	20W standby / 80W operating / 200W max	**Storage environment**	-20 - 50°C / 15 - 90% RH non condensing
Weight (without materials loaded)	31 lbs	**Power supply**	101 - 240 VAC, 50/60 Hz, 3.5A	**Operating environment**	10 - 40°C / 10 - 85% RH non condensing
Agency 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)			**Transport environment**	-20 - 50°C / 15 - 90% RH non condensing

Electronics

Processor	32-bit 800 MHz clock rate	**Memory (RAM)**	512 MB	**Internal battery**	For internal date and time (RTC)
Data storage when power off	Yes	**Data storage (IFFS)**	195 MB	**SD card slot (SDHC, SDXC)**	n/a

Options / accessories

Replacement printhead	User replaceable (to same dpi)	**Auto cutter (on all models)**	Built-in	**Replacement print roller**	115mm width, user replaceable (T10 wrench required)

*General volume levels for directional model comparison purposes only. Assumes basic text on 1"x2" vinyl 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.

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