Enable smart manufacturing

BradyPrinter A8500 Automated Print and Apply

Smart manufacturing. More than just integrated technology, it involves optimization — greater efficiency, increased flexibility, agile workflow – to move you closer to your Industry 4.0 goals. And this starts with automation, like the **BradyPrinter A8500 Automated Print and Apply**. Using razor-sharp precision and ERP data, the A8500 prints and applies labels — with text, images or barcodes — quickly and consistently. This allows for real-time data tracking, making your processes even more effective. With its one-step automation, the A8500 is the perfect high-tech tool to enable smart manufacturing.

- **Higher efficiency** — boosts productivity with integrated, one-step print-and-apply capabilities
- **Greater usability** — a standalone system compatible with multiple materials and label sizes
- **Accurate to a T** — precision placement of clearly printed 300 or 600 dpi labels

Product specifications

Model Number	A8500-62	A8500-34
Printing resolution dpi	600	300
Print speed up to in. / sec (mm / sec)	5.900 (150.0)	11.800 (300.0)
Print width up to in. (mm)	2.130 (54.1)	4.160 (105.7)
Minimum label size in. (mm)	0.120 x 0.160 (3 x 4)	0.160 x 0.390 (4.0 x 10.0)
Size W x D x L in. (mm)	8.15 x 15.75 x 15.75 (207.0 x 400.0 x 400.0)	10.24 x 15.75 x 15.75 (260.0 x 400.0 x 400.0)
Weight lb (kg)	33.1 (15.0)	35.3 (16.0)
Sensor distance to the locating edge in. (mm)	0.08-1.02 (2.0-26.0)	0.08-2.36 (2.0.-60.0)
Roll rewinder core diameter in. (mm)	3.000 (76.2)	
Ribbon core diameter in. (mm)	1.000 (25.4)	
32-bit processor MHz	800	
RAM MB	256	
IFFS memory MB	50	
Slot to insert a memory card	(SDHC, SDXC)	
RS232C	1,200 to 230,400 baud / 8 bits	
USB 2.0	Hi-Speed to connect a PC	
Ethernet 10/100 Mbit/s	LPD, RawIP-Printing, SOAP-Webservice, OPC UA, WebDAV DHCP, HTTP/HTTPS, FTP/FTPS, TIME, NTP, Zeroconf, SNMP, SMTP, VNC	
Digital I/O	10 inputs / 11 outputs	
Voltage	100-240 VAC, 50/60 Hz, PFC	
Power consumption	Standby <10 W / typical 150 W / up to 300 W	
Operating temperature / humidity	41 to 104° F (5 to 40° C) / 10 - 85 %, not condensing	
Storage temperature / humidity	32 to 140° F (0 to 60° C) / 20 - 85 %, not condensing	
Colored LCD touch display	4.3 in. diagonal screen, resolution 480 x 272	

Adapter arm product specifications

Model Number	4114
Label width in. (mm)	0.394 - 4.488 (10.0 - 114.0)
Label height in. (mm)	0.315 - 3.150 (8.0 - 80.0)
Cylinder stroke up to in. (mm)	9.25 (235.0)
Compressed air psi (bar)	65 (4.5.0)
Approximate cycle rate labels/min	25

Stock Polyimide materials

Material	Color	Finish	Adhesive	Withstands	Applications
B-717	White	Gloss	Permanent	Solvents, abrasion, high heat, low temperatures	Printed circuit board and component process labeling; static dissipative adhesive
B-727	White	Gloss			Printed circuit board and component process labeling.
B-776	Green	Gloss			
B-7727	White	Gloss			Printed circuit board and component process labeling; designed for auto-apply

Custom materials

Material	Color	Finish	Adhesive	Label width size constraint in. (mm)	Label height size constraint in (mm)	Withstands	Applications
B-8423 Polyester	White	Satin	Permanent	.75 (19.05) - 2 (50.80) (600 dpi model)	.25 (6.35) - 1 (25.40) (both models)	Solvents, abrasion, high heat, low temperatures	General purpose label and rating plate applications that utilize high quality/density alphanumerics, barcodes and graphics; post-process label on printed circuit boards
B-8425 Polypropylene	White	Gloss		.75 (19.05) - 3 (76.20) (300 dpi model)			General purpose label material appropriate for asset identification, rating plate, and warning/instructional labeling
B-618 Polyester	White	Matte					Printed circuit boards and rating plates that utilize high quality/density alphanumerics, barcodes and graphics

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