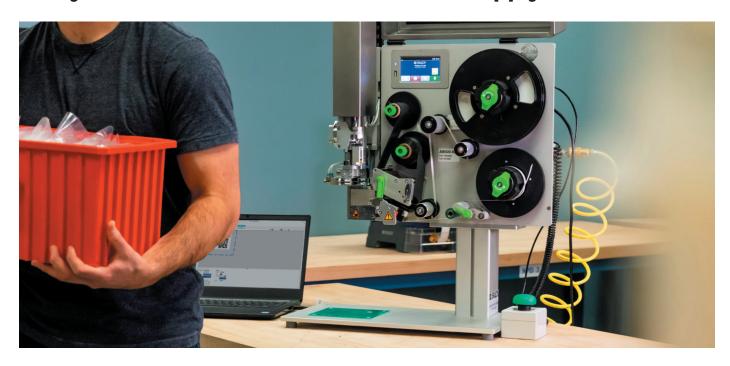# Enable smart manufacturing

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

	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

	4114	4214	4414
Label width in. (mm)	0.394 - 4.488 (10.0 - 114.0)	0.158 - 3.150 (4.0 - 80.0)	0.394 - 4.488 (100 - 114.0)
Label height in. (mm)	0.315 - 3.150 (8.0 - 80.0)	0.158 - 1.575 (4.0 - 40.0)	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		

Polyimide materials

Material	Color	Finish Gloss	Finish Matte	Adhesive	Withstands	Applications
B-717	White	•		Permanent	Solvents, abrasion, high heat, low temperatures	Printed circuit board and component process labeling; static dissipative adhesive
B-718	White	•		Permanent		
B-719	White		•	Permanent		
B-724	Amber		•	Permanent	Solvents, fuel, oil, abrasion, high heat, low temperatures	Printed circuit board and component process labeling
B-727	White	•		Permanent	Solvents, abrasion, high heat, low temperatures	
B-728	White		•	Permanent		
B-729	White		•	Permanent		
B-776	Green	•		Permanent		
B-730	Black		•	Permanent	Solvents, abrasion, high heat, low temperatures	Printed circuit board and component process labeling; designed for laser engraving
B-731	Black		•	Permanent		Printed circuit board and component process labeling; designed for laser engraving; static dissipative adhesive
B-777	White	•		Permanent		Printed circuit board and component process labeling; resistant to aggressive cleaning processes; ideal for small font printing
B-7727	White	•		Permanent		Printed circuit board and component process labeling; designed for auto-apply

For more information, visit BradyID.com or call 1.888.272.3946

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