





Thermal Transfer Printers



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Selecting Your Printers

X-Plus II Series	MVP Series	Tagus Series	
 360X-Plus II With 6.6" of print width, this printer has the versatility for many applications in electronics, computer and telecommunications.	 600X-Plus II / 300X-Plus II Ideal for identifying components and assemblies in electronics, computer and telecommunications.	 200MVP Plus / 300MVP Plus The best value in an industrial thermal transfer printer, easy to operate and loaded with features.	
 T200 / T300 Rugged, sturdy, and developed for use in medium volume applications such as healthcare, laboratory research, light manufacturing and inventory.			
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FEATURES

Recommended Throughput	7,000+ labels / day	7,000+ labels / day	up to 5,000 labels / day	up to 3,500 labels / day
Operational Hours	24 hrs / 7 days	24 hrs / 7 days	12 hrs / 5 days	10 hrs / 5 days
Resolution (DPI)	300 dpi	600 dpi / 300 dpi	203 dpi / 300 dpi	203 dpi / 300 dpi
Max Label Width	7.200"	4.500"	4.520"	4.250"
Max Print Width	6.600"	3.200" / 4.090"	4.090"	4.160"
Min Label Length	0.125"	0.125"	0.250" / 0.125"	0.250"
Memory RAM	16 MB	16 MB	8 MB	4 MB / 8 MB
Flash	4 MB	4 MB	2 MB	2 MB
Material Supported	Die Cut, Notched, Sleeve, Cont.	Die Cut, Notched, Sleeve, Cont.	Die Cut, Notched, Sleeve, Cont.	Die Cut, Notched, Sleeve, Cont.
Peripheral Printing (Connected to a PC)	YES	YES	YES	YES
Stand Alone Printing (Detatched from PC)	Optional	Optional	Optional	Optional
Color Capability	Monocolor	Monocolor	Monocolor	Monocolor
Connectivity	Serial, Parallel, USB Ethernet (Wired and Wireless)	Serial, Parallel, USB Ethernet (Wired and Wireless)	Serial, Parallel, Ethernet (Wired and Wireless)	Serial, Parallel, USB Ethernet (Wired Only)
Options	Cutter, Rewind Peel Off	Cutter, Rewind Peel Off	Cutter, Rewind Peel Off	Cutter

EXAMPLE APPLICATION SETS

Facility Identification	—	—	—	—
Ribbons	—	—	—	—
Labels	—	—	—	—
Design Software	—	—	—	—
Asset Identification, Bar Coding	R4300 (Page 123)	R4300 (Page 123)	R4300 (Page 123)	R4300 (Page 123)
Ribbons	B-489 (Page 119)	B-489 (Page 119)	B-489 (Page 119)	B-489 (Page 119)
Labels	Bradysoft™ (Page 202)	Bradysoft™ (Page 202)	Bradysoft™ (Page 202)	Bradysoft™ (Pg 202)
Design Software	—	—	—	—
Cable and Wire Identification	—	—	R4300 (Page 123)	R4300 (Page 123)
Ribbons	—	—	B-427 (Page 110)	B-427 (Page 110)
Labels	—	—	LabelMark™ (Page 206)	LabelMark™ (Page 206)
Design Software	—	—	—	—
Circuit Board Identification	R6000 (Page 123)	R6000 (Page 123)	—	—
Ribbons	B-457 (Page 101)	B-457 (Page 101)	—	—
Labels	Bradysoft™ (Page 202)	Bradysoft™ (Page 202)	—	—
Design Software	—	—	—	—


OTHER BRADY PRODUCTS



Code Reader 2.0

- ▶ Versatile, rugged platform
- ▶ Supports all popular linear and 2D symbologies
- ▶ 333 Mhz AMD
- ▶ Low power consumption
- ▶ Dual optics, read both near and far fields with one unit

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IDXPERT™ Thermal Labeling System

- ▶ Wire and cable printer
- ▶ 2 styles of keypads available
- ▶ Simple lock and load consumables
- ▶ Prints on both continuous and die-cut labels





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TLS 2200® Thermal Labeling System

- ▶ Wire and cable printer
- ▶ Custom labels available
- ▶ 29 label materials
- ▶ Can be connected to PC

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1244 / 1344 Series	GlobalMark™	Wraptor™	PAM 3000
			
1244 / 1344 Small, compact and economical. ideal for general purpose product identification, wire and cable marking and laboratory identification.	The GlobalMark Industrial Label Maker is a make-it-yourself industrial-grade, heavy-duty label-production printer. Users have the ability to print custom labels, tags, decals, badges, and signs on demand.	Unique print and apply machine built specifically to automate cable and wire identification. Prints and wraps labels to wires from 0.060" to 0.600" within 5 seconds automatically.	Ideal for print and apply solutions requiring accurate placement (+/- 0.012") of medium to very small labels.
Page 73	Page 75	Page 76	Page 77
up to 1,500 labels / day 8 hrs / 5 days	500 signs / day (2000 labels/day)	7,000+ labels / day 24 hrs / 7 days	7,000+ labels / day 24 hrs / 7 days
203 dpi / 300 dpi	300 dpi	300 dpi	300 dpi
4.300"	4.000"	2.000"	4.567"
4.100"	3.800"	2.000"	4.200"
0.250"	2.000"	0.750"	0.138"
2 MB 1 MB	16 MB 32 MB	8 MB 32 MB	2 MB 4 MB
Die Cut, Notched, Sleeve, Cont.	Continuous (Specific to GlobalMark)	Die Cut (Specific to Wraptor)	Die Cut
YES	YES	YES	YES
Optional	YES	YES	YES
Monocolor Serial, Parallel, USB	Monocolor and Multicolor USB, Serial	Monocolor USB, Serial Ethernet (Wired Only)	Monocolor Serial, Parallel
Cutter, Peel Off	Die cut capabilities (Only on Color and Cut model)	N/A	Light tower, bar code validator, ribbon and label low sensors
—	Mix and Match Tapes/Ribbons (Page 75)	—	—
—	Mix and Match Tapes/Ribbons (Page 75)	—	—
—	MarkWare™ (Page 204)	—	—
R4300 (Page 123) B-489 (Page 119) Bradysoft™ (Page 202)	Mix and Match Tapes/Ribbons (Page 75) Mix and Match Tapes/Ribbons (Page 75) MarkWare™ (Page 204)	— — —	R6000 (Page 123) B-483 (Page 119) Bradysoft™ (Page 202)
R4300 (Page 123) B-427 (Page 110) LabelMark™ (Page 206)	— — —	R4306 (Page 123) B-427 (Page 110) LabelMark™ (Page 206)	— — —
—	—	—	R6000 (Page 123) B-477 (Page 101) Bradysoft™ (Page 202)
—	—	—	—



TLS PC Link™ Thermal Labeling System

- ▶ Peripheral wire and cable printer
- ▶ Uses the same labels as TLS2200
- ▶ Perfect for bulk consumables
- ▶ LabelMark™ Label Software included with printer

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HandiMark® Portable Label Maker

- ▶ Warning and pipe marker printer
- ▶ Pipemarkers and bar code application built right within the printer
- ▶ Can be connected to PC
- ▶ Industrial grade outdoor vinyl tapes available

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X-Plus II Series



The X-Plus II series printers are designed with mission critical applications in mind. Able to withstand long (In excess of 7,000 labels per day), continuous (24/7) operation in harsh environments. Available in 300 dpi (4.000" and 6.000" print widths) and 600 dpi resolutions, this range of printers is ideal for labeling components, electronic assemblies and computer telecommunications.

The X-Plus II series of printers have been specifically engineered to provide consistent, high quality print on our full range of labeling materials including polyester, polyimide, paper and vinyl. And, they come with the reliability and technical support you expect from Brady.

X-Plus II Series Printers

Part Number	Description
Model 300X-Plus II	
BP-THT-300X+II	Brady THT Model 300X-PLUS II
Model 360X-Plus II	
BP-THT-360X+II	Brady THT Model 360X-PLUS II
Model 600X-Plus II	
BP-THT-600X+II	Brady THT Model 600X-PLUS II

SPECIFICATIONS

Model 300X-Plus II

Print resolution	300 dots per inch (12 dots per mm) thermal transfer printer
Maximum print width	4.090" (103.89 mm)
Maximum media width	4.500" (114.30 mm)
Labels/day	7,000
Hours/operation	24 hours / 7 days a week

Model 360X-Plus II

Print resolution	300 dots per inch (12 dots per mm) thermal transfer printer
Maximum print width	6.600" (167.64 mm)
Maximum media width	7.100" (180.34 mm)
Labels/day	7,000
Hours/operation	24 hours / 7 days a week

Model 600X-Plus II

Print resolution	600 dots per inch (24 dots per mm) thermal transfer printer
Maximum print width	3.200" (81.28 mm)
Maximum media width	4.500" (114.30 mm)
Labels/day	7,000
Hours/operation	24 hours / 7 days a week

Communication Interfaces

- ▶ RS-232 serial port
- ▶ Bi-directional parallel port
- ▶ USB 2.0 (480 Mbits/second) port
- ▶ 10/100 ethernet print server option
- ▶ Wireless print server option

Options

- ▶ Rewind (full label roll onto core)
- ▶ Label peel (full roll liner rewind)
- ▶ Cutter (full width rotary knife)

Additional options available. Please visit www.bradyid.com for options and specifications.

COMMON MATERIALS / RIBBONS



RATING PLATES

Material	B-428 (Page 117)
Ribbons	R4300 (Page 123)



ELECTRONIC (PCB) IDENTIFICATION

Material	B-487 (Page 101)
Ribbons	R6000 (Page 123)

MVP Series Models 200MVP Plus and 300MVP Plus



Available in either 203 or 300 dpi, the MVP printers are easy to operate and loaded with features, including color-coded operator cues and an LCD display.

The durable, die cast aluminum frame provides a rugged platform for printing in operations that require label production 12 hours/day, 5 days/week. Enhanced firmware ensures accurate printing on labels as small as 0.125"*.

The 200MVP and 300MVP printers are application flexible and print on a wide range of materials from paper and vinyl to polyester and polyimide*.

* Minimum 300 dpi resolution is recommended for printing 0.125" high labels or polyimide material.

200MVP / 300MVP

Part Number	Description
Model 200MVP	
BP-THT-200MVP-PLUS	Brady THT Model 200MVP
Model 300MVP	
BP-THT-300MVP-PLUS	Brady THT Model 300MVP

► SPECIFICATIONS

Model 200MVP

Print resolution	203 dots per inch (8 dots per mm) thermal transfer printer
Print speeds	Selectable print speeds at 1" increments from 2.000" (50.80 mm) to 10.000" (254.00 mm) per second
Minimum Label Length	0.250" (6.35 mm)
Labels / Day	Up to 5,000 labels / day
Hours / Operation	12 hours / 5 days

Model 300MVP

Print resolution	300 dots per inch (12 dots per mm) thermal transfer printer
Print speeds	Selectable print speeds at 1" increments from 2.000" (50.80 mm) to 6.000" (152.40 mm) per second
Minimum Label Length	0.125" (3.18 mm)
Labels / Day	Up to 5,000 labels / day
Hours / Operation	12 hours / 5 days

Communication Interfaces

- RS-232 serial port
- Bi-directional parallel port
- 10/100 ethernet print server option
- Wireless print server option

Options

- Internal rewind
- Label peel (full roll liner rewind)
- Standard media cutter

Additional options available. Please visit www.bradyid.com for options and specifications.

► COMMON MATERIALS / RIBBONS



TAMPER-EVIDENT IDENTIFICATION

Material	B-351 (Page 121)
Ribbons	R6200 (Page 123)



WORK-IN-PROCESS LABELING ON TEXTURED OR CURVED SURFACES

Material	B-484 (Page 119)
Ribbons	R6000 (Page 123)

Tagus Series



► SPECIFICATIONS

Model T200

Print resolution	200 dots per inch (8 dots per mm) thermal transfer printer
Print speeds	Selectable print speeds at 1" increments from 2,000" (50.80 mm) to 10,000" (254.00 mm) per second
Minimum Label Length	0.250" (6.35 mm)
Labels / Day	Up to 4,000 labels / day
Hours / Operation	10 hours / 5 days

Model T300

Print resolution	300 dots per inch (12 dots per mm) thermal transfer printer
Print speeds	Selectable print speeds at 1" increments from 2,000" (50.80 mm) to 6,000" (152.40 mm) per second
Minimum Label Length	0.250" (6.35 mm)
Labels / Day	Up to 4,000 labels / day
Hours / Operation	10 hours / 5 days

► COMMON MATERIALS / RIBBONS



LABORATORY SAMPLE IDENTIFICATION

Material	B-461
Ribbons	R4300 (Page 123)



WIRE AND CABLE MARKING

Material	Heat Shrinkable PermaSleeve (Page 111)
Ribbons	R4300 (Page 123)



GENERAL IDENTIFICATION

Material	B-424 (Page 117)
Ribbons	R6000 (Page 123)

Don't be fooled by the smaller sized Tagus series of thermal transfer printers. Housed within that small shell is an industrial workhorse of a machine. Built with the same durable die cast aluminum materials found on our larger heavy duty printers, the T200 and T300 printers won't disappoint. Available in a 200 dpi model without LCD display and a 300 dpi model with, the Tagus series can appeal to a wide variety of applications and budgets. Engineered and tested for use with Brady's performance material, no other Benchtop THT printer can provide a better value.

► FEATURES

- Supplies loading diagram embossed into the frame
- Unique collapsible ribbon hub
- Upgradeable flash memory
- Cantilever printhead mechanism

T200 / T300 Series

Part Number	Description
Model T300	
BP-T300	300 dpi Tagus with LCD
BP-T300-C	300 dpi Tagus with LCD and cutter
Model T200	
BP-T200	200 dpi Tagus, no LCD
BP-T200-C	200 dpi Tagus, no LCD with cutter

► FIELD-INSTALLED OPTIONS

Models T200 / T300

Part Number	Description
TAG-CUTTER	Field installable cutter
BP-T300-LAN	Field installable 10/100 ethernet card

Communication Interfaces

- RS-232 serial (standard)
- Centronics parallel (standard)
- USB 2.0 (standard)
- Ethernet card with print server (optional)



Printers are available in either 203 dpi or 300 dpi print resolution.

Models 1244 and 1344 are available with optional media stand.

► SPECIFICATIONS

Model 1244

Print resolution	203 dots per inch (8 dots per mm)
Minimum label length	0.250" (6.35 mm)
Labels / Day	Up to 1,500 labels / day
Hours / Operation	8 hours / 5 days

Model 1344

Print resolution	300 dots per inch (12 dots per mm)
Minimum label length	0.250" (6.35 mm)
Labels / Day	Up to 1,500 labels / day
Hours / Operation	8 hours / 5 days

► COMMON APPLICATIONS



GENERAL LABELING ON TEXTURED SURFACES

Material	B-423 (Page 119)
Ribbons	R6001 (Page 123)



ASSET IDENTIFICATION

Material	B-433 (Page 119)
Ribbons	R6001 (Page 123)



WIRE AND CABLE MARKING

Material	B-427 (Page 110)
Ribbons	R4301 (Page 123)

The models 1244 and 1344 are small, compact and economical. Featuring print resolutions of either 203 dpi or 300 dpi and a wide print width of 4.100", the 1244 and 1344 printers are ideal for general purpose product identification, wire and cable marking and laboratory identification.

For small to medium volume printing, the models 1244 and 1344 provide all the power and quality you need for on-demand in-house printing. The moveable transmissive sensor allows the use of all Brady stock configurations in a variety of materials including polyester, paper, vinyl and sleeves.

Bradyprinter Models 1244 / 1344

Part Number	Description
BP-1244	Brady Model 1244
BP-1344	Brady Model 1344

► FIELD-INSTALLED OPTIONS

Models 1244 / 1344

Part Number	Description
BP-12/13-3MB-FLASH	1244/1344 3MB memory expansion+H4
BP-12/13-CUTTER	1244/1344 standard cutter option
BP-12/13-LD-CUTTER	1244/1344 light duty cutter option
BP-12/13-MS	1244/1344 media stand

Communication Interfaces

- USB serial and parallel interfaces standard

Options

- Label peel
- Additional options available

Ribbons and Materials

- Must be 4" x 360"

Thermal Transfer Accessories



Thermal Transfer Label Dispensers

Part Number	Description
DSP-2	Label dispenser, 2.250" maximum width
DSP-5	Label dispenser, 4.500" maximum width
DSP-2-INT-220V	Label dispenser, 2.500" maximum width, 220V
DSP-5-INT-220V	Label dispenser, 4.500" maximum width, 220V
DSP-2CABLE	Daisy chain cable

Label Dispenser Specifications

Specifications	DSP-2	DSP-5
Minimum Liner Capacity Width	0.250" (6.35 mm)	0.250" (6.35 mm)
Maximum Liner Capacity Width	2.250" (57.15 mm)	4.500" (115.00 mm)
Minimum Label Length	0.250" (6.35 mm)	0.125" (3.20 mm)
Maximum Label Length	3.000" (76.20 mm)	7.000" (178.00 mm)
Feed Speed	2.200"/sec (55.88 mm/sec)	1.300"/sec (33.00 mm/sec)
Dimensions	7.300" (L) x 4.900" (W) x 9.500" (H) (185.42 mm x 124.46 mm x 241.30 mm)	10.800" (L) x 10.800" (W) x 14.500" (H) (274.32 mm x 274.32 mm x 368.30 mm)
Weight	2.00 lb. (0.90 kg)	10.5 lb. (4.76 kg)
Electrical Requirements:		
115V Versions	12V DC with 115V adapter	117V 50/60Hz, < 1 amp
220V Versions	12V DC with 220V adapter	220V 50/60Hz

Printer Cleaning Kit

Part Number	Description
PCK-4	Thermal Transfer Printer Cleaning Kit (50 Self Saturating Cotton Swabs)

Printhead Cleaning Film (3 strips/package)

Part Number	Description
CL-FILM-P-2	Printhead Cleaning Film 2.000" x 6.000"
CL-FILM-P-4	Printhead Cleaning Film 4.000" x 6.000"
CL-FILM-P-5	Printhead Cleaning Film 5.000" x 6.000"

The Brady label dispenser family automatically peels, releases and presents labels for identification purposes for any industrial or assembly application. Adjustable photo sensor allows proper presentation of label regardless of length (see chart below for min/max label sizes). Each dispenser is equipped with an automated scrap rewind with a built in lock rod for easy scrap removal. The dispensers are engineered for minimum operator intervention when changing to a different label size.

► DSP-2

Brady's lightweight DSP-2 label dispenser is portable and easy to use. The small footprint dispenser makes it ideal for applications where space limitations are of concern. The DSP-2 dispenser can be daisy chained to multiple machines for dispensing different labels at the same time.

► DSP-5

Brady's DSP-5 label dispenser provides a dispensing platform for wider and longer labels. Although the footprint of the DSP-5 is larger than that of the DSP-2, its weight and size still makes transportability an option.

► REWINDER



Rewinds labels externally as they print. Rewinds labels onto a standard 8" (outside diameter) core.

Serial Cabling Kit

Part Number	Description
SCK-9	Serial Cabling Kit — 9 ft
UCK-10	USB Kit
PCK-11	Parallel Kit
ECK-12	Ethernet Kit

Rewinder

Part Number	Description
60975	Rewinder



Part Number	Description
76801	GlobalMark* Color & Cut
76800	GlobalMark* MultiColor
76798	GlobalMark* MonoColor
90835	ValuePLUS Package for GlobalMark Printer

*GlobalMark ships with a keyboard, power cord, cleaning kit, USB cable and Brady File Management Utility

▶ **VALUEPLUS PACKAGE FOR GLOBALMARK**

Save big with the ValuePLUS Package. When purchased with your printer, you get more label making capabilities and warranty protection. Here's what you get:

- ▶ MarkWare™ Facility Identification Software with its extensive library of ready-to-print label, tag and sign templates, plus expanded label-making capabilities
- ▶ Extended Warranty: one full year added to your standard 6-month warranty (18 months total). Return your warranty card and you get 6 months more for 2 years total!
- ▶ One roll of 4" white vinyl tape
- ▶ One roll of black ribbon



▶ **INDOOR / OUTDOOR GRADE VINYL TAPE**

- ▶ Labels adhere well to pipes, walls, equipment, windows – most clean, dry surfaces
- ▶ Conforms well to irregular, curved or rough surfaces – it even stands up to grease, oil and most industrial chemicals
- ▶ Five-year average outdoor durability in temperatures from 180°F to -40°F (82°C to -40°C)

Size	Part Number							
	White	Yellow	Red	Green	Blue	Black	Orange	Clear
4.000" x 100'	76542	46547	76552	76556	76560	76564	76594	97734
3.000" x 100'	76543	73548	—	—	—	—	—	—
2.250" x 100'	76544	76549	76553	76557	76561	76565	76595	97735
1.125" x 100'	76545	46550	76554	76558	76562	76566	76596	97736
0.500" x 100'	76546	76551	76555	76559	76563	76567	76597	97737

Unprecedented ease of use... Unprecedented choice of materials... Touch... Print... Presto!

- ▶ Color touch screen interface... Quick and Easy!
- ▶ Multicolor spot printing or full-color process printing
- ▶ New materials including tag stock, magnetic and static cling
- ▶ Cuts characters and shapes

Brady File Management Utility allows you to:

- ▶ Transfer files from your PC to your GlobalMark and from your GlobalMark to PC
- ▶ Manage your existing GlobalMark files
- ▶ Update your GlobalMark operating system when upgrades are available. Simple to run when connected to your PC

Choose from 3 GlobalMark Models that will meet all your labeling requirements!

COLOR & CUT

- ▶ Prints in one color, multiple spot colors, blended colors and full process color
- ▶ Unit has a built-in cutter for cutting out characters and shapes
- ▶ With optional MarkWare™ label making software, import and print full color logos, artwork, even photographs

MULTICOLOR

- ▶ Prints the same color options as the Color & Cut system, including the optional MarkWare software enhancements, without the built-in cutter

MONOCOLOR

- ▶ Prints one color only on one color tape. It is compatible with MarkWare software
- ▶ Monochrome touchscreen display
- ▶ Does not have a built-in cutter

▶ **INDUSTRIAL GRADE PRINT RIBBONS**

- ▶ Super-tough smear-proof ribbons assure your printed text lasts for years outdoors and in an industrial environment
- ▶ Ribbons ship self-contained in cartridges that drop straight in to the GlobalMark with a "click"
- ▶ 2 and 4-color "paneled" ribbons are used to print labels and signs containing more than 1 print color

SINGLE COLOR PRINT RIBBON CARTRIDGES

Size	Part Number				
200 ft/roll	Black	White	Red	Yellow	Orange
4.110" x 200'	76739	76741	76743	76751	76752

2-COLOR PRINT RIBBON CARTRIDGES **4-COLOR PRINT RIBBON CARTRIDGES**

Size	Part Number			
200 ft/roll Not available for MonoColor	Black/Red	Black/Orange	Black/Red/Blue/Green	Black/Red/Blue/Yellow
4.110" x 8.000"	76763	76771	76787	76791
4.110" x 16.000"	76762	76770	76786	76790

Wraprot™ Wire ID Printer Applicator



Wraprot Wire ID Printer Applicator from Brady: the automated print-and-apply machine that brings the efficiency you need to wire and cable identification.

Wraprot brings **production efficiency** to wire and cable ID by combining the printing and application of labels in a single unit. With zero queue print and apply, create the label you need, when you need it, with no additional waste --- in less than 5 seconds!

Wraprot brings unprecedented **quality** to labeling cable and wire. High performance wire labels are wrapped consistently to perfection, every time.

Wraprot's smart consumables **simplify** the task of labeling wires and cables and eliminate the need for time consuming and wasteful calibration steps. The combined print and apply process makes it easy to label different wire diameters without any tool changes or mechanical adjustments.

WRAPROT WIRE ID PRINTER APPLICATOR THERMAL TRANSFER PRINTERS

SPECIFICATIONS

Print resolution	300 dots per inch (12 dots per mm) thermal transfer printer
Labels/day	7,000+
Hours/operation	24 hours/7days a week
Internal memory	8 MB
Minimum wire diameter	0.060" (1.52 mm)
Maximum wire diameter	0.600" (15.24 mm)
Machine cycle time	4.5-5.0 seconds
Maximum print width	2.000" (50.80 mm)
Maximum print length	1.625" (41.30mm)
Maximum label width	2.000" (50.80 mm)
Maximum label length	3.000" (76.20 mm)
Minimum label width	0.250" (6.35 mm)
Minimum label length	0.750" (19.05 mm)



Select job, insert wire or cable.



Print and wrap in two easy steps... with one machine in 5 seconds or less!

MATERIALS /B-427 SELF-LAMINATING VINYL

Wraprot Material Name	Label Size W x H		Printable/Write-On Area		Pcs./Roll	Recommended Ribbon UL Recognized	Recommended Wire Size Use		
	(in.)	(mm.)	(in.)	(mm.)			Min Diameter	Max Diameter	Wire Gauges
WRAP-1-427	0.500" x 0.750"	12.70 mm x 19.05 mm	0.500" x 0.375"	12.70 mm x 9.53 mm	6,800	R4311	0.060"	0.080"	18 - 22
WRAP-2-427	1.000" x 1.000"	25.40 mm x 12.40 mm	1.000" x 0.375"	25.40 mm x 9.53 mm	5,300	R4306	0.080"	0.159"	12 - 18
WRAP-3-427	1.000" x 1.250"	25.40 mm x 31.75 mm	1.000" x 0.500"	25.40 mm x 12.70 mm	4,300	R4306	0.159"	0.199"	10 - 14
WRAP-4-427	1.000" x 1.500"	25.40 mm x 38.10 mm	1.000" x 0.500"	25.40 mm x 12.70 mm	3,600	R4306	0.159"	0.279"	6 - 14
WRAP-5-427	1.500" x 2.500"	38.10 mm x 63.50 mm	1.500" x 0.750"	38.10 mm x 19.05 mm	2,200	R4306	0.239"	0.517"	1/0 - 8
WRAP-6-427	2.000" x 3.000"	50.80 mm x 76.20 mm	2.000" x 1.000"	12.70 mm x 25.40 mm	1,900	R4302	0.318"	0.597"	3/0 - 6
WRAP-10-427	1.000" x 2.250"	25.40 mm x 57.15 mm	1.000" x 0.750"	25.40 mm x 19.05 mm	2,500	R4306	0.239"	0.438"	1/0 - 8
WRAP-11-427	0.500" x 1.500"	12.70 mm x 38.10 mm	0.500" x 0.500"	12.70 mm x 12.70 mm	3,600	R4311	0.159"	0.279"	6 - 14
WRAP-12-427	2.000" x 1.500"	50.80 mm x 38.10 mm	2.000" x 0.500"	50.80 mm x 12.70 mm	3,600	R4302	0.159"	0.279"	6 - 14

MATERIALS /B-499 NYLON CLOTH

Wraprot Material Name	Label Size W x H		Printable/Write-On Area		Pcs./Roll	Recommended Ribbon UL Recognized	Recommended Wire Size Use		
	(in.)	(mm.)	(in.)	(mm.)			Min Diameter	Max Diameter	Wire Gauges
WRAP-7-499	0.500" x 0.750"	12.70 mm x 19.05 mm	0.500" x 0.750"	12.70 mm x 19.05 mm	4,500	R4311	0.060"	0.199"	10 - 22
WRAP-8-499	1.000" x 1.500"	25.40 mm x 38.10 mm	1.000" x 1.500"	25.40 mm x 38.10 mm	2,800	R4306	0.159"	0.438"	2 - 14
WRAP-9-499	2.000" x 2.000"	50.80 mm x 50.80 mm	2.000" x 2.000"	50.80 mm x 50.80 mm	2,100	R4302	0.212"	0.597"	3/0 - 8
WRAP-13-499	1.000" x 1.000"	25.40 mm x 25.40 mm	1.000" x 1.000"	25.40 mm x 25.40 mm	4,100	R4306	0.106"	0.279"	6 - 14

Part Number	Description
WRAPROT-PTR	Wraprot Wire ID printer, including LabelMark™ label design and printing software, Wraprot print driver, File Management Utility (FMU), USB cable, 64 MB CF card, Stylus 3PK, roll of WRAP-4-427 and roll of R4302 ribbon
64MB-CF	64 MB CompactFlash® Card
STYLUS-3PK	Stylus pens (3-pack)
SER-STRAIGHT	Straight through 9 pin serial cable
WRAPROT-VBLK	Spare wrapper assembly
WRAPROT PRNTHD*	Wraprot printhead replacement kit

*Wraprot warranty is one year, not including the WRAPROT-VBLK assembly or printhead. Original printhead is warranted for 6 months. Both VBLK and printhead are field replaceable.

Communication Interfaces

- Serial: RS-232C
- USB
- Ethernet
- PCMCIA
- CompactFlash®

Physical

- Height: 17.750" (450.90 mm)
- Width: 14.500" (368.30 mm)
- Depth: 22.500" (571.50 mm)
- Weight: 85 lbs. (38.5 kg)
- Operating temperature: 50° to 105°F (10° to 41°C)

Printer Applicator Machine (PAM) 3000



PAM 3000

Part Number	Description
PAM 3000 PTR	PAM 3000 Printer
PAM 3000 APP	PAM 3000 Applicator
PAM 3000 AIRSTD	PAM 3000 Air Service Unit Standard

► SPECIFICATIONS

PAM 3000

Print resolution	300 dots per inch (12 dots per mm) thermal transfer printer
Standard memory	2 MB
Maximum memory card	4 MB PCMCIA
Maximum print width	4.200" (106.60 mm)
Minimum label width	0.200" (5.00 mm)
Maximum label width	4.567" (116.00 mm)
Minimum label height	0.138" (3.50 mm)
Maximum label height	3.150" (80.00 mm)
Labels/day	7000+
Hours/operation	24 hours/7days a week
Print speeds	2.600" (66.00 mm) to 7.890" (200.00 mm) per second
Applicator rotation	0° and 90°
Application cycle time	2.5 - 5.0 seconds
Placement accuracy	+/- 0.012 (0.3 mm)*

*Application dependent. Consult Brady ASE.

The PAM 3000 brings label print and apply automation to a new level. Where traditional printer-applicators struggle with small labels, difficult label release, and tight placement accuracy, the PAM 3000 excels with its patented dispensing mechanisms.

Integration - Standard 24V input/out PLC interface allows easy integration into production lines and other automated processes. Large selection of resident fonts and bar codes as well as onboard date/time clock allows stand-alone operation.

Placement Flexibility - Use as a printer/dispenser and integrate with robotics to place labels in numerous orientations. Or use the standard Applicator option to place at either 0° or 90° from print orientation.

Validation - 1D and 2D bar codes can be validated as readable before they are applied and can automatically reprint the label with no human intervention.

Zero Queue print/apply - Eliminates the need to preprint any labels before applying.

Communication Interfaces

- ▶ Serial: RS 232C, RS-422, RS-485
- ▶ Parallel Centronics
- ▶ 24V PLC Interface: 6 outputs, 3 inputs

Physical

- ▶ Height: 15.749" (400.00 mm)
- ▶ Width: 10.630" (270.00 mm)
- ▶ Depth: 19.685" (500.00 mm)
- ▶ Weight: 77 lbs. (35 kg)

Electronic/Pneumatic

- ▶ Operational Voltage: 115V - 60Hz or 203V - 50Hz
- ▶ Air Pressure: 58-87 psi (4-6 bar)

► QUOTING

Because Applicator Systems have very unique configurations per application; contact customer service and ask for a Brady Automation Support Engineer (ASE) for more information or e-mail: auto_apply@bradycorp.com.

