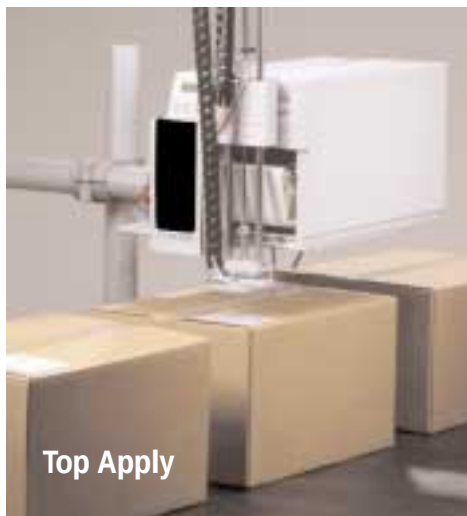


THARO

PA1000t

PRINTER/APPLICATOR

New from the creators of EASYLABEL®, comes the Tharo PA1000t Printer/Applicator... a powerful accessory for the Apollo Series of thermal/thermal transfer bar code label printers.



■ **Easy to Use** - The Tharo PA1000t Printer / Applicator is easy to use, with minimal adjustments necessary, quick setup and changeover for applying labels to either the top or side of a product.

■ **Fast** - See throughput chart on reverse side.

■ **Cost-effective** - With minimal training, quick integration and increased personal productivity, the PA1000t Printer / Applicator provides a rapid return on investment. Meet demanding applications with maximum up time and economical, worry-free operation!

■ **Rugged** - The PA1000t Printer / Applicator features all metal construction and is made to last with time-tested components. Heavy duty guide rods were engineered to compensate for high stress in side labeling with minimal deflection. With rugged dependability, the PA1000t provides accurate, true on-demand operation, with low maintenance and precise positioning.

■ **Controlled Contact** - via the use of springs and an adjustable pressure sensing switch on the tamp pad.

■ **Easy to Service** - With few moving parts, the PA1000t Printer / Applicator is easy to service, and replacing printers is a snap! And our reliable, after-sales customer service provides you with the best technical support in the industry! With a sleek design, and clean operation, the Tharo PA1000t is delivered with a customizable Tamp Pad that you can modify in-house to fit your specific label size. The Tamp Pad size can vary, allowing you the flexibility to accommodate labels from 2" x 1" to 4 1/2" x 8". Labeling products of variable height is a standard feature which adds a great deal of flexibility to the Tharo PA1000t. The PA1000t is delivered with a T-base stand and one tamp pad.

The compact PA1000t Printer / Applicator is quick and accurate, applying up to 60 labels per minute, depending on label size, printer used and height of product. The PLC interface provides maximum flexibility by allowing control of the system to be accomplished by almost any device, from a simple micro switch or optical sensor to a sophisticated intelligent controller (PLC). LEDs provide visual operating status and error conditions.

■ **Tamp/Blow Alternative** - For those special jobs where a Tamp Applicator isn't appropriate, the Tharo PA1000t/b Tamp Blow will do the trick! With the ability to apply labels to convex, concave or flat surfaces, on either the top or side of a product, the Tamp Pad size can vary allowing labels from 1" x 3" to 4" x 6 1/2" to be used. The adjustable guide rods stop the Tamp Pad between 1/2" to 2" from the product - from there the label is blown on.

■ **State-Of-The Art Label Printing Performance**

The APOLLO thermal/thermal transfer label printers feature 203 or 300 dpi print resolution while incorporating advanced label handling capabilities. These handling features provide you with extremely tight print registration, label after label. The APOLLO Printers support all the popular bar codes, and give you workhorse-like production too...recent units back for maintenance exceeded 33 million inches of output!

OPTIONS

Warning Beacon - alerts operator to error condition or out of stock condition

Product Sensor - triggers applicator upon sensing a product

Product Sensor Timer - can delay the triggering of the applicator to be timed for specific label placement on a product

Foot Switch - for manual triggering of applicator

Repositionable Printer Control Panel - easier operator access and viewing

Hand Cranked Height Adjustable

T-Base Stand - allows for extremely precise height adjustment

EASYLABEL® Label Design Software

Optional Stand-Alone Capability - The PA1000t also features the ability to work with or without a computer attached, giving you much more flexibility in meeting your labeling requirements. This stand-alone feature eliminates the need for additional computers, is ideal for print and apply applications in remote locations, saving work space, and is perfect for environments harsh to computers!

PCMCIA Memory Card - for storing downloadable formats for stand-alone printing.

Keyboard Adapter - adapter for plugging an external keyboard or bar code wedge into the printer for stand-alone printing.

SPECIFICATIONS

APPLICATOR:

Minimum size label: 2" x 1" (50 x 25mm)

Maximum size label: 4 1/2" x 8" (114.3 x 200mm)

Label Placement Accuracy:

± 0.125" (3.175mm)

Speed: Up to 60 labels per minute

Weight: Applicator w/table: 25 lbs. (11.5 KG)
Stand only: 95 lbs. (43.0 KG)

Tamp Pad Sizes: 2" (50.8mm), 4" (101.6mm), 6" (152.4mm), 8" (203mm)

Variable Height: Labeling accomplished with an adjustable pressure sensing switch on the tamp pad; allows the PA1000t to label products of different heights without adjusting the applicator.

Stroke Length: 17" (432mm)
(10" (254mm) below table)

APOLLO PRINTER:

Printing Speeds/Resolution/Label Print Width

APOLLO 1: 2" (50mm) - 8" (200mm) per second, 300 dpi (12 dots/mm), 4.2" (108mm)

APOLLO 2: 2" (50mm) - 8" (200mm) per second, 300 dpi (12 dots/mm), 4.2" (108mm)

APOLLO 3: 2" (50mm) - 5" (125mm) per second, 203 dpi (8 dots/mm), 4.09" (104mm)

APOLLO 3/300: 2" (50mm) - 3.4" (87mm) per second, 300 dpi (12 dots/mm), 4.16" (105.7mm)

Printer Type:

Direct Thermal/Thermal Transfer

Media Type:

Most direct thermal or thermal transfer materials

Media Thickness:

.0024" to .01" (.06 to .25mm)

Supply Roll:

8" (200mm) maximum outside diameter on cores from 1.57" to 3" (40mm to 75mm)

Ribbons:

1" (25mm) core diameter with 3" (75mm) outside diameter;
1182' (360m) maximum length;
industry standard widths

Bar Codes:

UPC/EAN add on 2 digit	JAN 8
UPC/EAN add on 5 digit	JAN 13
Code 39	MSI
Code 93	Plessey
Code 128 A, B, C	PDF417
Codabar	UPC A
EAN 8	UPC E
EAN 13	POSTNET
EAN 128	FIM
HIBC	UCC 128
Interleaved 2 of 5	MaxiCode
	Datamatrix

Fonts:

5 Bitmap fonts including OCR-A, OCR-B
3 Scalable Fonts (Speedo) available internally
Accepts downloaded Speedo and TrueType typefaces

Control Panel:

Backlit LCD with 2 lines of text, 16 characters each. Used for Messages, Printer Configuration and displaying prompts for stand-alone printing. (Must have optional PCMCIA Memory Card for stand-alone printing.) Configuration options allow for the display of messages in the following languages: English, German, French, Italian, Spanish and Finnish. 4 function keys with LEDs

Memory:

Internal RAM 2MB

Time and Date: Standard

Interface:

Serial: RS-232 C 1200-57600 Baud
RS-422, RS-485 1200-57600 Baud

Parallel: Centronics

Power Source:

Switchable between 115 V 60 Hz or 230 V 50 Hz

Environmental:

Temp 50-95°F (10-35°C) at 10-85% humidity

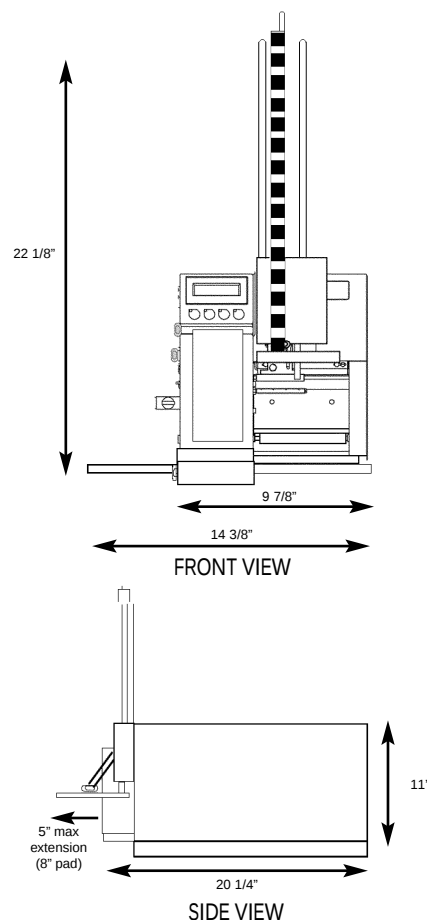
Printer Agency Listings:

Built to TUV-GS and CE safety standards;
complies with FCC Class A emissions standards

MAXIMUM LABELS PER MINUTE*

Size	Apollo 1	Apollo 2	Apollo 3	Apollo 3/300
4" x 2"	56	56	38	30
4" x 4"	42	42	30	24
4" x 6"	35	35	24	18

*Based on Printer type, Label size, stroke length and conveyor speed. These results were achieved with a 9" stroke (2" below table). Full back feed between each label. Each label was discreet.



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