

Avery Dennison Printing Solutions TH 1000



TH 1000 Automatically Print and Permanently Bond

Improve labeling speed and efficiency by imprinting and bonding variable-data labels permanently onto garments, shoes, collectibles, and other branded or protected products. The computer-controlled system integrates a thermal-transfer printer and heat-seal bonder in a streamlined solution that bonds labels in less than a second and offers potential labor savings of 15% to 20%.

- Faster, more cost-effective than sewn-in or hot-stamped labels.
- Computer-generated, on-demand printing adapts to different languages, care symbols, bar codes, serial numbering, etc.
- Efficient performance provides for a quick payback.
- Adapts to modular manufacturing, short-lot runs, and rework.
- Security features discourage counterfeiting and product diversion.

Options for Label Construction, Security and Production

Improve labeling productivity while you meet market demands.

The AVERY DENNISON™ TH 1000 system lets you eliminate the time, cost and effort required to manage numerous preprinted care labels or hot stamping plates. It lets you produce a variety of unique labels from stock rolls of film or fabric, without stopping to modify text or graphics. This flexibility allows you to adapt easily to the demands of modular manufacturing and Quick Response turnaround.

Combine text, graphics and bar codes creatively.

Computer-controlled data management and printing simplify and speed the entire label generation process. Bar codes, graphics (like permanent care symbols or logos) and fine-print text (as small as 3-point), all print with equal crispness and clarity.

Comfortable for consumers. Durable for you.

AVERY DENNISON™ Heat-Seal Film and Satin Fabric Labels are soft and supple enough to be used on garments worn right next to the skin. Yet, when they are printed with compatible permanent inks, they are tough enough to resist manufacturing treatments and home launderings so that permanent care instructions and other information remains clearly readable for the life of the garment.

Protect against product counterfeiting and diversion.

By incorporating features like encoded microstrips, bar codes and consecutive serial numbers into your TH 1000 solution, you can discourage counterfeiting, track product movement and protect against diversion of products.

Multiple production and data management options adapt to your operations.

The TH 1000 in-line system feeds freshly printed labels into position for bonding as quickly as your operator can position the target item under the heat seal bonder and press a switch. You can also isolate the printer to generate labels for use at other locations or to serve multiple independent bonding stations – roll-feed bonders convenient for longer runs, or hopper-feed bonders suited for short runs and frequent changeovers.

With any TH 1000 option, you are prepared for changing production schedules and emergencies. You can use label data either manually entered at a local workstation or transmitted from a central computer or network. You can even scan production bar codes to search for and generate appropriate label content and quantities, automatically. Versatile Windows-based AVERY DENNISON™ software is also available to help manage your data flow and print process.

Complete solution. Complete support.

Whatever your application or system configuration, Avery Dennison is the single source for a complete solution – hardware, installation, label and data management software, operator training, complete equipment maintenance and support and helpful customer service.



TH 1000 Specifications



System Characteristics

Printer:	64 04
Print method:	Thermal transfer
Print head type:	Near-edge head with adjustable print head pressure. Print head is user replaceable, self aligning, no tools required.
Print speed:	5"/second (127 mm/sec)
Print resolution:	305 dpi (12 dots/mm)
Print width:	3.0" (76 mm)
Ribbon saver:	Standard
Operator panel:	Four-key control panel with 2-line by 16-character display

Media Characteristics

Label width:	1.5" – 3" (38 mm – 76 mm)
Label length:	1" – 3" (25 mm – 76 mm)
Label thickness:	3 – 5 mil (0.076 mm – 0.127 mm) film, 7 mil (0.18 mm) woven fabric
Label type:	Film and woven fabric
Label sensing:	Transmissive light sensor – adjustable from 0.08" – 0.67" (2 mm – 17mm) Optional reflective sensor – adjustable from 0.5" – 1.1" (13 mm – 28 mm)
Supply roll:	I.D. – 3", 4" (76, 102 mm) O.D. – 7" (178 mm)
Ribbon:	1" (25 mm) ribbon core, 1180' (360 m) length

Character Fonts/Graphics/Bar Codes

Resident fonts:	17 fonts including OCR-A and OCR-B, 2 scalable fonts. Additional fonts and graphics available via memory card.
Care label symbols:	ASTM standard
Graphics format:	Avery Dennison 4 bit graphic (.EPT) format; and industry standard .BMP, .PCX, .TIF, .GIF, and .EPS formats
Bar codes:	EAN 8, EAN 13, UPC-A, UPC-E, Code 93, Interleaved 2/5, Code 2/5, Code 39, Codabar, UPC BookLand (2 digit and 5 digit extension), ITF, MSI, PostCode, Code 128, UCC/EAN 128, Code 128 (UPS), 2-Dimensional (PDF417, Data Matrix, MaxiCode)
Print rotation:	0°, 90°, 180°, 270° for character fonts, graphics and bar codes 0° – 360° in 1° increments for scalable fonts

Communications

Standard interface:	Serial RS-232/485/422, 300 to 115,000 baud Parallel (Centronics)
Options:	Ethernet, Twinax/Coax

Electrical

Input voltage:	110 VAC (+/- 10%), 50/60 Hz
Power consumption:	Bonder 1600W, Printer 350W

Air

Compressed air:	80 psi, 7 cfm, moisture free
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Physical

Dimensions:	25"H x 24" W x 60" D (635 mm x 610 mm x 1524 mm)
Weight:	183 lbs. (83 kg)
Operating temperature:	55°F to 95°F (13°C to 35°C)

Accessories

- Compact flash memory card

Avery Dennison Printing Solutions TH 1000



North America
2305 Soabar Drive
Greensboro, NC 27406
telephone 336.856.8235
facsimile 336.547.0031

Mexico
Avenida Aristoteles #123
Parque Industrial Kalos
Apodaca, Mexico 66600
telephone 52.8.386.4086
facsimile 52.8.386.4082

Central America
18 Avenida 40-23 Zona 12,
Segundo Nivel
Ciudad de Guatemala, Guatemala
telephone 502.442.4130
facsimile 502.442.4131

South America
Rua Francisco Foga, 225
CP18-13280-000
Vinhedo, SP, Brasil
telephone 55.19.3876.7620
facsimile 55.19.3876.7668

Asia
No. 7 Chun Ying Street
Tseung Kwan O Industrial Estate
New Territories, Hong Kong
telephone 852.2372.3000
facsimile 852.2564.0289

Europe
Wooburn Industrial Park
Thomas Road
Wooburn Green
Bucks HP10 OPE, UK
telephone 44.1628.859500
facsimile 44.1628.859527

www.ris.averydennison.com
email: ris.mkt@averydennison.com

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