

# Avery Dennison® Monarch® Tabletop Printer 1

The Avery Dennison® Tabletop Printer 1 (ADTP1™) is built to accelerate your barcode and RFID label and tag printing. Quickly and accurately identify items and cartons and move merchandise throughout your supply chain.

Perfect for creating:

- Carton/pallet labels
- Retail compliance labels
- Item-level labels
- Work in-process labels
- Hang tags
- Asset tracking labels

## NON-STOP RFID PRINT/ENCODE

The ADTP1 features patented non-stop print/encode technology that's up to three times faster than traditional stop-to-encode printers.

Additionally, its exclusive integrated RFID EPC verifier helps ensure defective tags are eliminated.

## REDUCE VENDOR CHARGEBACKS

Optional barcode verifier overstrikes “bad labels and tags” for virtually 100% scanability, leading to fewer chargebacks due to bad bar codes. Barcode Assured™, our proprietary fail-safe dot shifting autocorrect feature, also helps reduce the incidence of unscannable barcodes.\*

## PRODUCTIVE PROCESSING

ADTP1 has the largest internal supply capacity available in its class, which cuts roll change needs by as much as 50%.\*\*

The three-color backlit display provides instant visual identification of printer status. Internal liner take-up eliminates waste accumulating on floors for faster and easier liner disposal.

## SUSTAINABLE LABELING

You can decrease your environmental footprint with our EcoCapacity+™ thin liner labels. Switching to EcoCapacity+™ significantly reduces water and energy use, solid waste production and CO2 emissions.\*\*

ENERGY STAR® certified



## ELEVATING BRANDS. ACCELERATING PERFORMANCE.

For more information call: 800.543.6650, prompt 5  
or email: [printersolutions@averydennison.com](mailto:printersolutions@averydennison.com)



Three-color backlit display provides instant visual identification of printer status.

Innovative, intelligent and sustainable labeling and printing solutions that accelerate supply chain performance, increase productivity and elevate the consumer experience.

ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ENERGY STAR products are third-party certified by an EPA-recognized Certification Body. ENERGY STAR certification is not applicable to all ADTP1 models.

# Avery Dennison® Monarch® Tabletop Printer 1



## SPECIFICATIONS

### DIMENSIONS

Height: 13.8" (351mm)  
Width: 11.5" (292mm)  
Depth: 21.5" (546mm)

### WEIGHT

36 lbs (16.4kg)

### SHIPPING WEIGHT

43 lbs (19.5kg)

### PRINTING METHOD

Thermal Direct or Thermal Transfer

### BAR CODES

**One-dimensional**—UPCA +2/+5, UPCE +2/+5, EAN8 +2/+5, EAN13 +2/+5, EAN128 Interleaved 2 of 5, Extended Code 39, Codabar (NW7), Code 128, Code 16K, Code 93, MSI, Postnet, Intelligent Mail, GS1 Databar

**Two-dimensional**—PDF417, MaxiCode, Data Matrix (ECC-200), Quick Response (QR) Code, Aztec

### STANDARD FONTS

Bitmap—Standard, Reduced, Bold, OCRA-like, CG Triumvirate, and CG Triumvirate Bold TrueType®—EFF Swiss Bold, Supports downloaded double-byte TrueType and bitmap fonts, allowing for international character sets

### FONT MAGNIFICATION

1x to 7x  
4 to 250 pt. for scalable/TrueType fonts

### MEDIA SENSING METHOD

Edge: Die Cut, Black Mark, Aperture, Attacher Hole  
Center: Die Cut, Black Mark, Attacher Hole

### KEYPAD/DISPLAY

Five-button keypad control LCD Graphical Dot Matrix

### PRINTER CONTROL LANGUAGES

MPCL, MLI

### PRINTER WARRANTY

One (1) year parts and labor  
Full written warranty statement available on request

### PRINthead WARRANTY

One (1) million inches or six (6) months, whichever occurs first

### SUPPLIES

Avery Dennison supplies are recommended.

### SUPPLY TYPES

Tags and adhesive labels (paper or synthetic) in roll or fanfold format, perforated or continuous supply

### SUPPLY SIZES

Width: 0.75–4.25" (19.1 to 108.0 mm)  
Length: 0.32–17.5" (8mm to 445mm)  
Max Roll Diameter: 9.375" OD (238 mm) on 3" Core (76mm) or 4" Core (102mm)

### TYPICAL SUPPLY ROLL LENGTH

7,874' (200m) with standard media  
11,811' (300m) with EcoCapacity+

### SUPPLY THICKNESS

5.5–13.5 mils (0.14–0.33mm)

### PRINT HEAD WIDTH

4.09" (102mm / 812 dots)

### PRINT HEAD RESOLUTION

203dpi (8 dots/mm) or  
300dpi (12 dots/mm)

### MEMORY

SDRAM: 64MB  
Flash 64MB

### RFID

#### RFID ENCODER

Optional, EPCglobal UHF Class 1 Gen 2 / ISO 18000-63 (formerly 18000-6C). Supports worldwide UHF RFID frequency ranges.

#### RFID VERIFIER

Optional, integrated post-encode-and-print reader module. Validates actual Encoded data against requested data.

### ENVIRONMENTAL RANGES

#### OPERATING TEMPERATURE

Thermal Direct 40° to 104° F (4° C to 40° C)  
Thermal Transfer 40° to 95° F (4° C to 35° C)

#### STORAGE

15° to 120° F (-9° C to 49° C)

#### HUMIDITY/OPERATING AND STORAGE

5% to 90% non-condensing

### PERFORMANCE

#### POWER SOURCE

100–240 VAC with auto select 50/60 Hz  
Optional 24 VDC (U.S. and Canada Only)

#### PRINT SPEED

2.5 ips (64 mm/sec)  
4 ips (102 mm/sec)  
6.0 ips (152 mm/sec)  
8.0 ips (203 mm/sec)  
10.0 ips (254 mm/sec)—only with 203 dpi print head  
12.0 ips (305 mm/sec)—only with 203 dpi print head

### COMMUNICATIONS

#### STANDARD COMMUNICATION PORTS

USB 2.0 Device Port (1 port, B receptacle), USB 2.0 Host Port (2 ports, A receptacle), RS-232C Serial Port (DB-9F, DTE pin out, 115.2K baud max speed)

#### WIRED NETWORKING

802.3u Ethernet, 10/100 Mbps, RJ-45 connector

#### WIRELESS NETWORKING

Optional 802.11 a/b/g/n dual band (2.4GHz & 5 GHz), WPA2, 802.11i compliant

### OPTIONS & COMPANION PRODUCTS

#### OPTIONS

300 dpi print head  
Peel mode with on demand sensor and internal liner take-up\*\*\*  
ADK Script programming for special applications  
+24V DC-powered (Cart ready)\*\*\*

#### COMPANION PRODUCTS

- Avery Dennison® Monarch® 933™ High Speed Cutter\*\*\*
- Avery Dennison® Monarch® 928™ Stacker\*\*\*
- Avery Dennison® Monarch® 935™ Rewind
- Avery Dennison® Monarch® 938™ Barcode Verifier\*\*\*
- Avery Dennison® Monarch® 9391™ Intelligent Keyboard

## EVERY DENNISON® SERVICE AND SUPPORT

Our technical specialists and service representatives can provide installation support, training and operating recommendations. For more information call 800.543.6650, option 7.

\* Avery Dennison Barcode Assured™ helps eliminate unreadable bar codes by printing a gray box in place of an invalid bar code when dot shifting does not fix the problem.

\*\* When combined with Avery Dennison EcoCapacity™ thin liner supplies

\*\*\*Available on EF model only

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Accelerating supply chain  
performance and elevating  
the consumer experience.

# Inventory Accuracy, Visibility and Loss Prevention



Printer and  
Fastener Solutions

## Avery Dennison® 933 Cutter

### HEAVY DUTY TAG CUTTER FOR MID TO HIGH VOLUME APPLICATIONS

When used in conjunction with the Avery Dennison® Tabletop 1 (ADTP1™) printer, the Avery Dennison® 933 Cutter continuously cuts tag stock, including RFID supplies, up to 4 inches wide at speeds up to 8 inches per second. High throughput continuous cutting increases productivity compared to conventional stop-to-cut solutions\*. The hardened steel cutter blade is warranted for 1 million cuts<sup>1</sup>. Other features include:

- Integrates with Avery Dennison® 928™ stacker for organized management of up to 2,000 tags simultaneously.
- Flip down door for fast cutter maintenance. Safety interlock disables power to the blade when the door is open, ensuring operator safety.
- Multiple cut modes for individual tags, strips of tags, or labels. Single or double-height separators can be printed at the start of each batch.

### MAXIMUM CUT SPEEDS

- 8" per second for tag lengths 1.5" or greater.
- 6" per second for tag lengths 1.2" to less than 1.5".

### INSTALLATION

- Easy to install out of the box with simple hand tools.

### SPECIAL CONSIDERATIONS

- Printer must be a cutter-ready model.
- Die cut label liner cutting is supported. Cutting through label face sheet will likely result in adhesive build-up and cutter failure.
- RFID tags must be cut in between inlays.
- Cutting of antenna, strap or chip will damage the cutter and reduce useful life and may void the warranty.

### ELEVATING BRANDS. ACCELERATING PERFORMANCE.

Experience Avery Dennison supply chain solutions at our worldwide Customer Design and Innovation Centers. For more information on the Avery Dennison 933 Cutter, or to schedule a tour of a Customer Design and Innovation Center, please call 800.543.6650, prompt 5, or e-mail [rbis.solutions@averydennison.com](mailto:rbis.solutions@averydennison.com).



Intelligent, sustainable and innovative labeling and printing solutions that accelerate supply chain performance, increase productivity and elevate the customer experience.

<sup>1</sup> Paper Tags: 1,000,000 cuts    RFID Tags: 500,000 cuts    Label liner: 500,000 cuts

\*Independent results may vary.

# Inventory Accuracy, Visibility and Loss Prevention

Avery Dennison® 933 Cutter



Printer and  
Fastener Solutions

## STANDARD FEATURES

### DIMENSIONS

**Height** - 8.4" ( 214 mm)

**Width** - 12" ( 305 mm)

**Depth** - 4.3" ( 110 mm)

**Weight** - 9 lbs. (4 kg)

**Shipping Wt.** - 10 lbs. (4.5 kg)

### SUPPLIES SPECIFICATION

**Supply Thickness** - 0.007" – 0.015" (0.18 – 0.38 mm)

**Cut Width** - 0.75" – 4.0" (19 – 102 mm)

**Cut Length** - 1.2" – 16" (30 – 406 mm)

### Wind Direction:

Tags: Face side in

Labels: Face side in or out

**Cut Length Accuracy:** - +/- 0.025" + Black mark index error  
(+/-0.030") measured at center of tag

**Cut Angle Accuracy:** - +/- 1.0 degree

## ENVIRONMENTAL

### OPERATING TEMPERATURE

40° – 104° F (4° – 40°C)

### STORAGE TEMPERATURE

15° – 120° F (-9° – 49°C)

### RELATIVE HUMIDITY

5 – 90% Non-condensing

### POWER SOURCE

Powered by printer, no external power required

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accelerating performance  
throughout the global  
retail supply chain

## AVERY DENNISON® SERVICE AND SUPPORT

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[averydennison.com/RBIS](http://averydennison.com/RBIS)

# Avery Dennison® Monarch® 935 Rewinder



Printer  
Solutions

## REWIND LABELS AND TAGS

- Runs quietly
- Minimal supply "telescoping"
- Runs unattached to the printer
- No unwind capabilities

## SPECIFICATIONS

### DIMENSIONS

Height - 12" (305mm)  
Width - 10" (255mm)  
Depth - 11" (279mm)  
Weight - 10.9 lbs. (5kg)  
Shipping Weight - 14 lbs. (6kg)

### CORE DIAMETER

935-02 - 4" (102 mm)  
935-03 - 3" (76 mm)  
Core Adapter Kit - Supports 1" (25 mm) and 3" (76 mm) cores,  
and coreless operation with 935-02

### TAKE UP SPEED

1" to 12" (25 mm to 305 mm) per second

### MAXIMUM TAKE-UP

1200' (30,480 mm) linear length with coreless  
9.375" (238 mm) outer dimensions with cores

### SUPPLIES

Supply Widths  
1.2" to 4.125" (30 mm to 105 mm)  
Supply Thickness  
.005" to .012" (0.13 mm to 0.30 mm)

### WARRANTY

One (1) year parts and labor (ship-in)  
Full written warranty statement is available  
on request

### ENVIRONMENTAL RANGES

#### OPERATING TEMPERATURE

40o to 110o F  
(4o to 49o C)

#### STORAGE

-15 to 120o F  
(-10o to 49o C)

#### HUMIDITY/OPERATING AND STORAGE

10% to 90% non-condensing

#### ELECTROSTATIC DISCHARGE AND AIR QUALITY

Some problems with electronic equipment may occur in environments prone to static discharge or extreme dust conditions. Avery Dennison suggests that you take precautions to minimize these problems.

#### PERFORMANCE

#### POWER SOURCE

Universal auto-switching, 100-250 VAC, 50/60 Hz



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