

Avery Dennison
Printer Solutions

Monarch
Intelligent Logistics Solutions

Avery Dennison® Monarch® EcoCut™ Labeling System



www.monarch.com

The EcoCut design allows for the flexibility to produce a variety of label formats, messages, and sizes on demand all in one label roll, resulting in fewer stops for label changes. The thin liner used results in a decrease of waste handling. With these optimizations created with EcoCut, the new solution results in up to 50% more labels per roll and up to 40% reduction in labeling costs.



Avery Dennison Monarch[®] EcoCut[™] Labeling System

Industry challenges with today's labeling solutions

Manufacturing and distribution centers are challenged with a number of inefficiencies with today's labeling solutions, such as: producing unnecessary white space on labels to fit a pre-determined standard size, printing millions of blank labels annually, and using label rolls with wasted liner space between each pre-cut label.

Now there is a better way.

The Avery Dennison ADTP2 EcoCut Solution: One printer for all labeling needs

The EcoCut Solution:

- Uses one continuous label roll in combination with an innovative printer cutting mechanism to produce variable length logistics labels, on demand.
- Offers flexibility to print in either peel-and-present or in batch mode:
 - **Peel-and-present** - the label is face cut and ready for application while the liner is rerolled
 - **Batch mode** - multiple label formats and sizes can be printed at once with the liner intact for label application now, or later
- Eliminates waste, resulting in:
 - Significant Cost Savings
 - Increased Productivity
 - Improved Sustainability.

Cost savings

The EcoCut Solution is designed to reduce overall cost of labeling by up to 40%, due to:

- The use of exclusive economical material constructions
- Up to 50% more labels per roll means significantly less costs for label materials
- Reduction of overall consumption (no matrix waste, reduction in wasted white space on labels)
- Fewer SKUs required, results in a reduction in transportation, converting, purchasing, inventory and warehousing costs.

Increased productivity

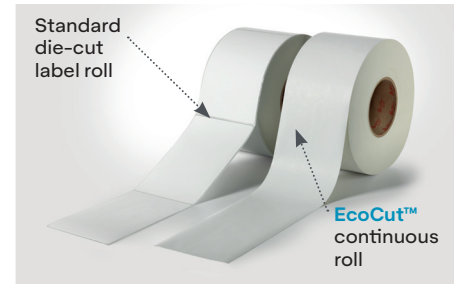
The design of the printer can produce a variety of label formats and lengths on demand all in one label roll. This helps increase productivity due to:

- Fewer stops for roll changes
- Thin liner results in a decrease of waste handling needs.

Improved sustainability

The EcoCut Solution is designed to reduce environmental impact by:

- Decreasing transport weight
- Reducing CO2 emissions
- Generating less volume of waste to landfills (due to thinner liner).



Specifications

Dimensions

Height: 12.25" (311 mm)
Width: 11.0" (279 mm)
Depth: 20.5" (521 mm)
Weight: 31 lbs. (14.1 kg)
Shipping Weight: 38 lbs. (17.3 kg)

Print Properties

Printing Method

Thermal Direct or Thermal Transfer

Printhead Width

4.09" (102 mm/812 dots)

Printhead Resolution

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

Maximum Print Area

4.0" x 16.0" (102 mm x 406 mm) with the 203 dpi printhead
4.0" x 13.0" (102 mm x 330 mm) with the 300 dpi printhead
Larger images (up to 16 feet) can be printed using continuous supply and reallocating memory.

Print Speed

2.5 ips (64 mm/sec) - default for serial bar codes with narrow elements less than 3 dots
4 ips (102 mm/sec) - 203 dpi serial bar codes with narrow elements of 3 dots or greater
6.0 ips (152 mm/sec) - default for parallel bar codes, max for label peel and liner takeup
8.0 ips (203 mm/sec)

Sensing Methods

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

Operator interface

Keypad

5-button keypad control

Display

LCD Graphical Dot Matrix (128W x 64H dots).
2.54" (64.5mm) Wide x 1.46" (37.0 mm) High

Display Backlight

White (Idle), Green (Active), Red (Error)

Memory

SDRAM: 64 MB

Flash: 64 MB

Printer emulation

Languages

MPCL, MLI

Communications

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 communications speed

Wired Networking

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

Wireless Networking

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

Real time clock

Real time clock: Standard

Bar code types

1-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

2-Dimensional

PDF417, MaxiCode, Data Matrix (ECC-200), Quick Response (QR Code), Aztec

Fonts

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

Environmental

Operating Temperature

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

Storage Temperature

15° – 120° F (-9° – 49°C)

Relative Humidity

5 – 90% Non-condensing

Power Source

90-264 VAC with auto select 50/60 Hz
Optional 24 VDC regulator

Power Consumption

62 Watts printing, 4 Watts (Sleep mode).
Certified Energy Star Compliant

Warranty

Printer

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

Printhead

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

Supplies specifications

Supply Types

Tags and Adhesive Labels (Paper or Synthetic) in roll or fanfold format
Perforated or continuous supply

Supply Width

EcoCut: 4.0" (101.6 mm), Die-cut: 0.75" – 4.25" (19.1 – 108.0 mm)

Supply Length (Indexed)

0.32" to 17.5" (8 mm to 445 mm)

Supply Roll Diameter

8.0" OD (203 mm) on 3" Core (76mm)

Typical Roll Length

EcoCut: 7,874" (200m)
Die-cut: 5,905" (150 m)

Ribbon Length

23,622" (600 Meters)

Ribbon Core

1" (25.4mm) plastic

Supply Thickness

4.0 – 13.5 mils (0.14 – 0.33 mm)

Our Monarch® intelligent logistics solutions enable enhanced inventory visibility ensuring the most efficient omni-channel fulfillment process, reducing labor costs and driving velocity to create a positive consumer experience.

Contact us

170 Monarch Lane, Miamisburg, OH 45342
937 865 2123 (direct) Tel +800 543 6650 (8:00 a.m.–6:30 p.m., EDT)

The information contained herein is believed to be reliable but Avery Dennison makes no representations concerning the accuracy or correctness of the data. This product, like any other should be tested by the customer/user thoroughly under end user conditions to ensure the product meets the particular requirements. Independent results may vary. Avery Dennison and the logo are registered trademarks of Avery Dennison Corp. Third party trademarks and/or trade names used herein are the property of their respective owner(s).
©2021 Avery Dennison Corporation. All Rights Reserved.