INK TANK SYSTEM PRINTERS
ECOTANK MONOCHROME PRINTERS

EPSON
EXCEED YOUR VISION

ECONOMICAL AND RELIABLE PRINTING FOR YOUR BUSINESS

Voted Most Reliable[1]
Ink tank printers

Low Print Cost
Affordable ink bottles, ultra-high page yield

Better for the Environment
Lower power consumption than laser printers[2]

Up to 4 years' Warranty
Includes printhead for complete peace-of-mind

reddot award 2019 winner — M1100

reddot award 2019 winner — M1120

reddot award 2019 winner — M2140

reddot award 2019 winner — M3170

reddot award 2019 winner — M1140

M200

The future of office printing is here with Epson's EcoTank monochrome printers. Reliable, economical and efficient, these printers are set to change the way businesses print documents. Featuring affordable ink bottles that offer an ultra-high page yield of 6,000 pages[2] and refillable integrated ink tanks, it is maximum prints for minimum costs. With up to 4 years' warranty even on the printhead, there's no worry of costly repairs or replacements. By using less power consumption than laser printers that result in lower electricity bills, the EcoTank monochrome printers are not just good for business, they are good for the environment.

20 ipm — Print Speed[3]

Duplex Printing[3]

Wi-Fi[4]

Direct — Wi-Fi Direct[4]

Epson Connect[4]

Black 6000 pages — Ultra-High Page Yield[2]

ecotank

WARRANTY **4 YEARS** OR 50,000 PAGES — PRINTHEAD INCLUSIVE

PRECISIONCORE[3]

IT'S IN THE DETAILS.

[1] In a Kantar TNS survey commissioned by Epson, 87% of 145 multi-brand dealers voted Epson ink tank printers as the most reliable. [2] Limited to 005 high capacity ink bottles. [3] Applies to M1140, M2140 and M3170.
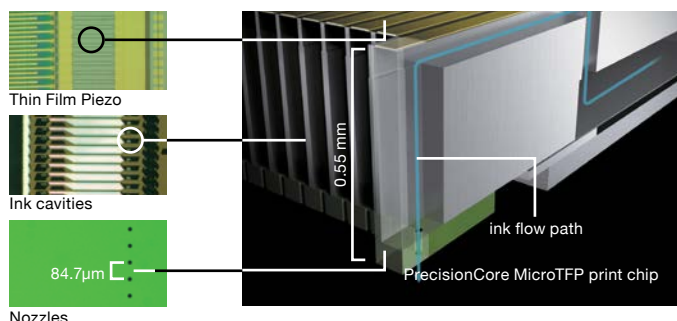[4] Supported only on M1120 and M3170.

Why Choose EcoTank?

Unique only to Epson, Micro Piezo technology powers the printheads of EcoTank printers. Designed for high durability and reliability, Micro Piezo printheads can print on a wide range of media, and feature Variable-Sized Droplet Technology (VSDT), for fast printing speeds, image processing, ink systems, ink, precision paper transport and other mechanisms.

The Science Behind the Technology

PrecisionCore™ is the unique thin film piezo (TFP) printhead technology that brings together superior component technologies and high-precision Micro-Electro-Mechanical Systems (MEMS) fabrication technologies. The result is high speed and high image quality over a wide range of applications in offices and industrial sectors.

Thin Film Piezo

Ink cavities

84.7μm

Nozzles

0.55 mm

ink flow path

PrecisionCore MicroTFP print chip

Nozzle line length: 1.33 inch (33.8 mm)
Nozzles per line: 400 (400 x 2 rows)

Impressive Print Quality for Every Office

High Light and Ozone Resistance

EcoTank monochrome series pigment ink is lightfast, which means it resists fading when exposed to the ozone – great for archival storage of office documents.
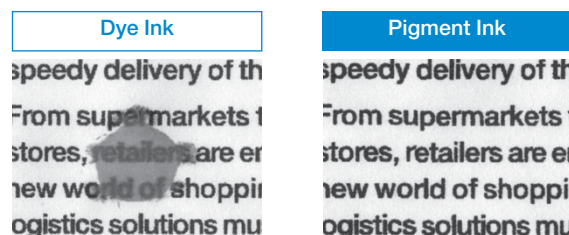
Variable-Sized Droplet Technology

Epson's exclusive Variable-Sized Droplet Technology (VSDT) controls the volume of ink contained in each ejected droplet precisely, to ensure that droplets are perfectly spherical and land with high positional accuracy. The result is sharp clear text and rich grain-free images.
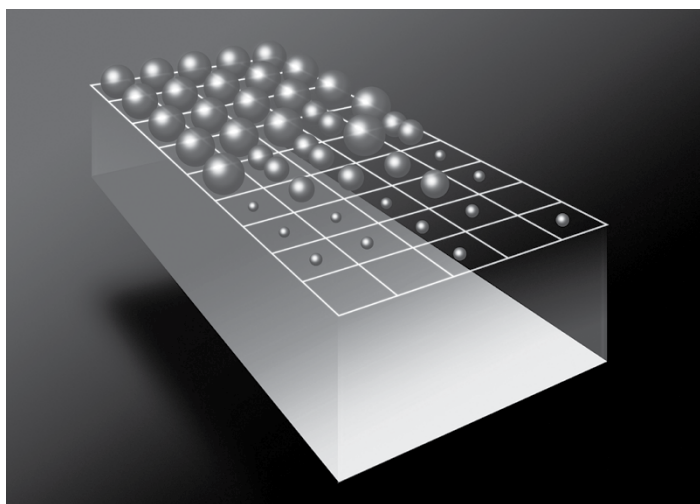

High Water Resistance

EcoTank monochrome series pigment ink is insoluble in water, hence it does not smudge or bleed when splashed with water.

Dye Ink	Pigment Ink
speedy delivery of th	speedy delivery of th
From supermarkets t	From supermarkets t
stores, retailers are er	stores, retailers are er
new world of shoppi	new world of shoppi
ogistics solutions mu	ogistics solutions mu

High-quality Barcode Printing

In Barcode mode, EcoTank monochrome printers automatically control the size of ink droplets, providing clear printed output that barcode readers can recognize quickly and scan accurately.

Barcode mode off — Large dot

Barcode mode on — Small dot
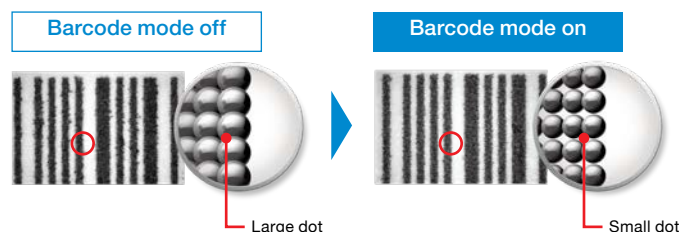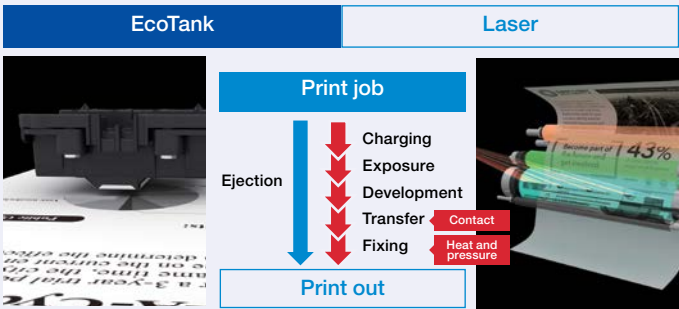
Unique Mechanism That's Highly Efficient

High Performance Output

EcoTank monochrome printers have been time-tested to ensure that speed and efficiency are optimised, to reduce operational downtime.

15 ipm*

20 ipm**

*   M1100/M1120/M200.
** M1140/M2140/M3170.

Key Differences Between EcoTank and Laser

EcoTank	Laser

Print job

Ejection

- Charging
- Exposure
- Development
- Transfer — Contact
- Fixing — Heat and pressure

Print out

Simple mechanism	Complex mechanism

Laser printers undergo processes of charging, exposure, development, transfer, and fixing, to transfer toner onto the paper. EcoTank printers, on the other hand, use a simple mechanism to eject ink from the printhead directly onto the paper.

Uses no heat	Uses heat

In laser printers, high-temperature heating is required to fix toner to the paper. EcoTank printers use precisely controlled mechanical pressure to eject ink — no heat is required.

No contact with paper	Contact with paper

In laser printers, powdered ink (toner) attached to the photoconductor is transferred by being brought into contact with the paper. EcoTank printers eject liquid ink, and require no contact between printhead and paper.

Liquid ink	Powdered ink (toner)

Laser printers use toner, which is powdered ink that must be fused to the paper by applying heat and pressure to prevent the powder from falling off. EcoTank printers use liquid ink that readily adheres to paper. In addition, the space between powdered ink particles includes air, so the toner takes up a greater volume than liquid ink.
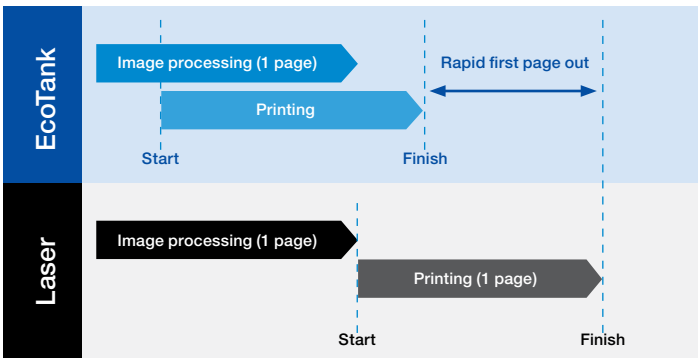

Fast First-page Out Time

EcoTank monochrome printers do not require any preheating and can process image data while printing. Enjoy a significant advantage in two key ISO-defined metrics of printing speed: First Print Out Time (FPOT) and First Set Out Time (FSOT).

8 secs*

6 secs**

*   M1100/M1120.
** M1140/M2140/M3170.

Difference Between Printing Processes

EcoTank
- Image processing (1 page)
- Printing
- Rapid first page out

Start — Finish

Laser
- Image processing (1 page)
- Printing (1 page)

Start — Finish

For illustrative purposes only.

Conserve Energy and Paper

Low Power Consumption

EcoTank monochrome printers consume significantly less power than laser printers in the same class, where laser printers require to reheat the fuser unit when performing a print job. Due to the low power consumption, it makes EcoTank monochrome printers cost-efficient.

Print More for Less

Taking care of details to meet business needs with spill-free* ink bottle design, look forward to lower cost of printing with ink bottle that provides an ultra-high page yield of up to 6,000 pages**.

50%
paper saving

Paper-saving Auto-duplex*** Printing

EcoTank monochrome printers reduce paper consumption by 50%, and hence paper costs, by using auto duplex printing to print on both sides of each sheet of paper.

*   For all models except M200.
** Applies to T774 and 005 high capacity ink bottles.
*** Applies to M1140, M2140 and M3170.

Outstanding Cost Efficiency

With low Cost Per Page (CPP) and Total Cost of Ownership (TCO), EcoTank monochrome printers help to reduce running costs, which include the cost of consumables such as ink, toner, and parts that require regular replacement over the course of a printer's service life.

Consumable A (Low unit cost, high CPP)

Cost per consumable	Yield	Cost per page (CPP)	
$8 ÷	**1,500** pages	**$0.0053** per page	**53% lower CPP**

Epson ink bottle (High unit cost, low CPP)

$15 ÷	**6,000** pages	**$0.0025** per page

TCO Comparative Costs

High

Costs

Low

Competitor X TCO

CPP x total pages

EcoTank monochrome printer hardware cost

EcoTank monochrome printer TCO

CPP x total pages

Competitor X hardware cost

1 Year   2 Years   3 Years

CPP stands for Cost Per Page, and is the most accurate way to calculate running costs. Many people think consumables with a lower unit cost will result in lower running costs. In fact, the opposite may be true because the yield (number of printable pages) that can be produced by each unit may be lower. CPP is the most important factor to consider when judging whether consumables are really affordable or not.
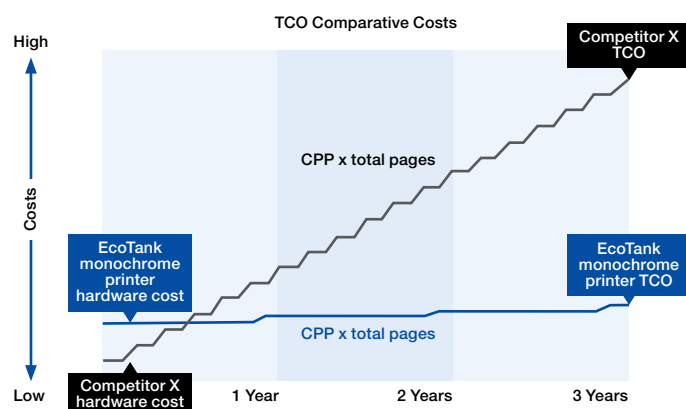
TCO stands for Total Cost of Ownership. TCO takes into account initial hardware cost, cost per page, and the total number of pages printed over the life of the printer. To accurately compare the cost efficiency of different printers, TCO is the most important factor to consider, particularly for offices with high-volume printing needs.

For illustrative purposes only. Actual TCO varies by model.

Peace of Mind
with 4 Years' Warranty

Enjoy extended protection only with EcoTank monochrome printers. Warranty is valid for 4 years or 50,000 prints, whichever comes first, including printheads.

Printhead Durability

Proprietary to EcoTank printers, Micro Piezo* and Precision Core** printheads are formed with durable ceramic materials, which make them highly resilient during the printing process.

* Used in M200, M1100, M1120.
** Used in M1140, M2140, M3170.

Less Nozzle Clogging

Achieve better consistency in printing with technology that addresses three major causes of nozzle clogging: ink drying, paper dust, and air bubbles in the ink delivery system.

Reduced Ink Drying

Improved materials have been used inside the head and ink system, together with a head cap anti-evaporation mechanism, to guard against head clogging when the printer isn't used for a long time.

Paper Dust Dispersion

The platen supporting the paper under the printhead is made from electroconductive material, which removes static electricity from the paper surface to prevent nozzle clogging by paper dust.

Reliable Ink Delivery

A variety of mechanisms have been deployed to suppress bubble formation in the ink delivery system, ranging from ink bubble traps and high air-barrier material ink tubes*, to tubeless ink delivery systems**.

Platen (plastic)	Platen (electroconductive plastic)

Printhead
Paper dust
Paper
Platen (plastic)
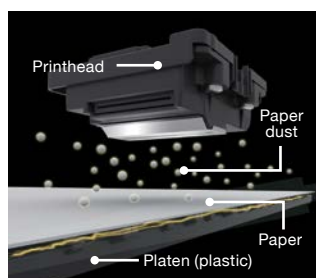
Paper dust
Platen (electroconductive plastic)
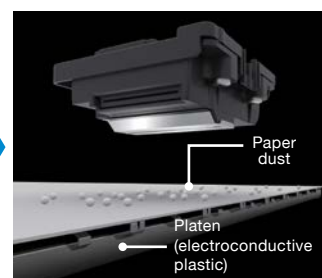
* Applies to M1140, M2140, M3170.
** Applies to M1100 and M1120.

Versatile Media Handling

Print across a wide range of media types and applications such as invoice, delivery note, cheque, envelope, label printing, barcode printing, etc.

Connect with Ease

Make business more mobile with wireless* printing anywhere and anytime around the office.

Wi-Fi® Printing

Print wirelessly from any device connected to the network, without the need for USB cable, if your office is equipped with a wireless network.

Wi-Fi Direct® Printing

Wi-Fi Direct printing enables devices such as laptop computers, tablets, and smartphones to connect directly to EcoTank monochrome printers without joining a Wi-Fi network. Hence, no router (wireless access point) or Internet connection is required*.

* Applies to M1120 and M3170 only.

Wi-Fi Direct Setup using Panel (M1120 only)

Steps on how to Setup Wi-Fi Direct from the printer control panel without LCD screen.

1. Turn on Wi-Fi Direct

Press and hold both "Wi-Fi" and information buttons until the 2 Wi-Fi LEDs flashes alternately, When setup is done, the Wi-Fi Direct LED will remain on.

2. Find out the SSID / Password of the Wi-Fi Direct Connection

Press and hold "Information button" for about 10 sec. A network status sheet will be printed.
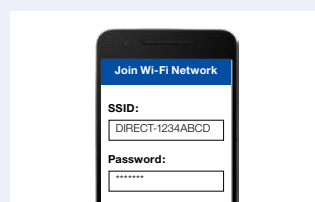
3. Join the Wi-Fi Direct network with your mobile device

Find the SSID and password info in the network sheet and join your mobile device to it.

Wi-Fi Direct Setup using LCD Panel (M3170 only)
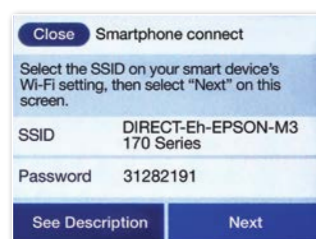
1. Click "Start Setup"
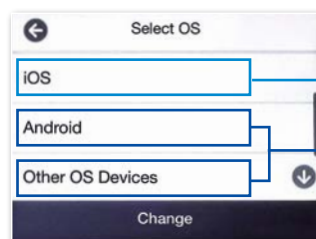
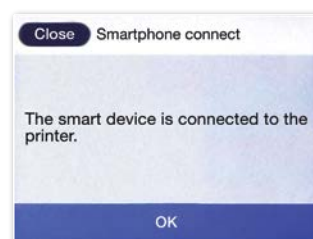**2. Select the mobile device's OS which you are connecting**

3. Scan the QR using iOS* camera

4. Click "Join" to join WiFi- Direct Network

Search for Printer Network Name SSID and Key in password

5. Mobile device is connected to printer successfully

* Mobile device with iOS 10.0 or later.

Mobile and Cloud Printing*

Epson Connect Solutions

The EcoTank monochrome series supports Epson Connect, a service that offers a range of convenient solutions for wireless and remote printing.

Email Print

Epson Connect assigns a unique e-mail address to each printer, so users can send e-mails with attached files directly to the printer, and the printer will automatically print the e-mail and attached documents. There is no need to install a printer driver, and no need for any human interaction on the receiving end — it's as convenient as sending a fax, but costs less.

Prepare document for distribution to all branch offices and attach it to an e-mail message.

Sender can be at any office and be assured that the e-mail message and attached document will automatically be printed out at branch offices worldwide.

Epson iPrint

Epson iPrint is an easy-to-use mobile application that lets users print and scan photos and documents with a smartphone or tablet. It supports PDF and Microsoft® Word, Excel®, and PowerPoint® document printing, as well as cloud services.

Use a tablet on the shop floor to show customers product catalog information and purchase options.

Use Epson iPrint to quickly print order forms from the tablet without using a computer.

Boost sales and close deals quickly by presenting customers with ready-to-sign order forms on the spot.

Epson Remote Print Driver

The Epson Remote Print Driver lets users print on any printer registered with Epson Connect, anywhere in the world. Users can control print settings, switch printers, and print as though the printer is on their local network.

With Remote Print Drive installed on your laptop, you can work more efficiently no matter where you are. Even when in transit, you can connect to the internet and remotely print documents directly from any application. So you can make changes to a sales presentation and have it printed out ahead of time before you arrive.

Scan To Cloud^

Scan To Cloud enables users to scan documents and send them directly from the printer's control panel as an e-mail attachment to previously registered destinations. It also allows documents to be uploaded to cloud storage services such as Dropbox®, Google Drive™, Box™, and Microsoft OneDrive®. There's no need to use a computer, so it's as easy as sending a fax, but costs less and offers higher image quality.

Some documents require a signature and must be sent to head office for immediate approval.

With Scan to Cloud, signed documents can be scanned at a branch office...

...and printed out at the head office for management review and approval.

^ Applies to M3170 only.

Mobile Solutions

Enjoy the convenience of wireless and remote printing using mobile solutions by Google Cloud Print™, Apple AirPrint™ and Mopria Print Service.

Google Cloud Print

AirPrint

mopria®

* Refer to the Specifications page to check printer compatibility.

SPECIFICATIONS
ECOTANK MONOCHROME PRINTERS

EPSON
EXCEED YOUR VISION

MODEL NUMBER	M1100	M1120	M1140	M2140	M3170	M200
	reddot award 2019 winner	reddot award 2019 winner	reddot award 2019 winner	reddot award 2019 winner	reddot award 2019 winner	
Printer Type	Print	Print	Print	Print, Scan, Copy	Print, Scan, Copy, Fax with ADF	Print, Scan, Copy with ADF
Draft Print Speed	32 ppm			39 ppm		34 ppm
ISO 24734 Print Speed	15 ipm			Simplex: 20 ipm Duplex: 9.0 ipm		15 ipm
Max Print Resolution	1,440 x 720 dpi			1,200 x 2,400 dpi		1,440 x 720 dpi
Automatic 2-sided Printing	-			Yes		-
Input Paper Capacity	150 sheets			250 + 1 sheets		100 sheets
Scan Optical Resolution	-			1,200 x 2,400 dpi		
Flatbed Scan Speed (Black / Colour)	-			12 / 27 sec		16 / 34 sec
ADF Scan Speed (Black / Colour)	-				7.0 ipm	2.0 ppm
ADF Capacity	-				35 sheets	30 sheets
Connectivity	USB	USB, Wi-Fi	USB	USB, Wi-Fi, Wi-Fi Direct, Ethernet		USB, Ethernet
Epson Connect	-	Epson iPrint Epson Email Print Remote Print Driver	-	Epson iPrint Epson Email Print Remote Print Driver, Scan to Cloud		Epson iPrint
Other Mobile Solutions	-	Google Cloud Print	-	Apple AirPrint, Google Cloud Print, Mopria Print Service		-
Warranty	4 years or 50,000 pages					
Page Yield	6,000 (high capacity) / 2,000 (standard) pages					6,000 pages
Ink Model	005 (6,000 pages) / 005s (2,000 pages)					T774
Power Consumption (Operating)	13 W	14 W		13 W	12 W	10 W
Dimensions	375 x 267 x 161 mm	375 x 347 x 151 mm		375 x 347 x 302 mm	375 x 347 x 346 mm	435 x 377 x 226 mm
Weight	3.5 kg	4.3 kg		6.2 kg	7.3 kg	6.0 kg
User replaceable Maintenance box	No			Yes		No

All copy and print speeds are approximates based on individual specifications. Please refer to the individual product brochure for more information

Information correct as at June 2019