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BE cool

DRY FIBER TECHNOLOGY

SWITCH TO ECO-EFFICIENT PAPER RECYCLING

Make the sustainable choice with Epson PaperLab

Epson PaperLab eliminates paper waste, transforms your sustainability processes and helps you play your part in protecting the environment. It's the world's first dry process office paper making system[1] that turns used paper[2] into fresh new sheets of paper, completely and securely destroying any sensitive information. Unlike traditional paper production, Epson's unique Dry Fiber Technology does not use water during the paper making process. What could be cooler than that?

Make the switch at **www.epson.com.sg/becool**

IT'S IN THE DETAILS.

1. PaperLab is the first office paper making system to use a dry process, based on Epson research conducted in November 2016
2. PaperLab can use ordinary A3 and A4 - sized copy paper as raw material.

Recycling is cool.
PaperLab is cooler.

PaperLab is the world's first[1] in-office paper secure recycler that turns used paper[2] into fresh, new sheets of paper using a virtually dry process[3] powered by Epson's unique Dry Fiber Technology.

This revolutionary on-demand solution enables your business to securely destroy sensitive information, adopt upcycling, and increase recycling – all helping you reduce your societal and environmental impact and take control of paper supplies.

Recycling: Turn waste paper into new paper

- Contribute to the circular economy
- Responsible water usage
- Reduce your CO_2 footprint
- Remove the supply chain

Upcycling: Add value to new paper on demand

- Produce up to 720 sheets per hour
- Produce different thicknesses up to 240g/m^2
- Produce different colours

Security: Securely destroy sensitive information

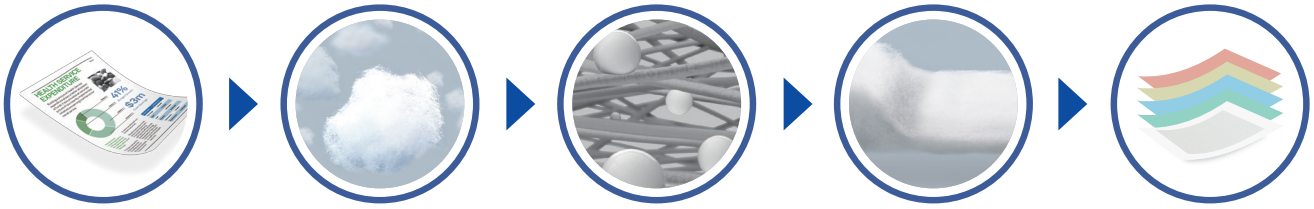
- Highest security certification (Level P7)

1. PaperLab is the first office paper making system to use a dry process, based on Epson research conducted in November 2016
2. PaperLab can use ordinary A3 and A4 - sized copy paper as raw material.
3. A small amount of water is used to maintain a certain level of humidity inside the system.

Our revolutionary process

A combination of three processes is used to turn used paper into new paper – defibrating, binding and forming. Unlike traditional processes, PaperLab does not use water during the paper making process. This virtually dry process[3] makes it possible to produce fresh, new sheets of paper in a small, localised cycle.

PaperLab uses Dry Fiber Technology to produce new paper from used paper through defibrating, binding, and forming processes.



Used Paper

Defibration

Removes all ink and toner and reduces the waste paper to its fibers.

Binding

Brings the clean fibers back together, strengthening them and forming new paper to a specified colour and weight.

Forming

Forms the paper by pressing, then cuts it new paper into A4 or A3 sheets.

New Paper

Dry Fiber Paper

A new circular printing model to transform your office

By combining PaperLab with our Heat-Free Technology used in Epson Business Inkjet Printers, you can achieve productivity and sustainability at the same time.

3. A small amount of water is used to maintain a certain level of humidity inside the system.

Contribute to a circular economy

Preservation of water resources
PaperLab paper requires up to 99% less water*.

Reduction of CO_2

Preserving wood resources

*Condition: Including the consumption of water that is required when growth of trees is used as raw materials for commercial paper.
Source: Estimated by Prof. Itsubo Laboratory, Faculty of Environment, Tokyo City University. Materials of P.R.VAN OEL & A.Y. HOEKSTRA (2010). Quote of Calculated value of National Research and Development Agency Japan Science and Technology Agency: https://www.jst.go.jp/ristex/stipolicy/project/project18.html.

PaperLab even goes beyond recycling, helping you upcycle and customize into different sizes, thickness and colours.

- Size A4 and A3
- Plain paper stock at 90g/m^2
- Card stock from 150-240g/m^2
- A range of colours
- Business cards
- Notepads

PaperLab can handle used paper in A4 or A3 sizes, and copy paper from 64g/m^2 to 108g/m^2.

PaperLab can produce up to 720 A4 sheets or 360 A3 sheets per hour[4] after the first sheet has been produced, which equates to 5,760 sheets per 8-hour work cycle.

First sheet out time is 3 minutes[4]. The Dry Fiber Paper can then be used with ordinary laser printers, inkjet printers and copiers.

LONG-LIFE[5]
DIN 6738
(LDK 24-85)

4. Approximate values. Output speed, first sheet out time may vary depending on environmental conditions.
5. DIN 6738 standard classifies the lifespan of papers and is based entirely on the effect of accelerated aging on the strength of the paper. Standard approved by The Deutsches Institut für Normung (German Standards Institute). LDK 24-85 is the highest lifespan class. Papers in this lifespan class may be called 'non-aging' as according to today's level of knowledge and with gentle handling and storage, they are expected to have a lifespan that can meet the highest requirements.

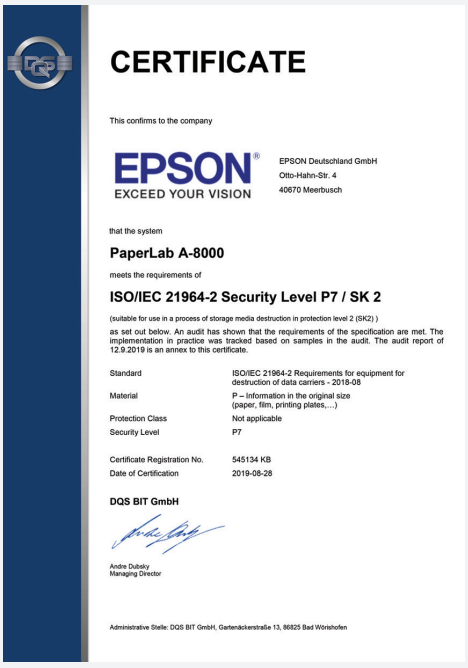
Destroy sensitive documents for complete certainty and security

When data security is crucial for your business, PaperLab delivers absolute certainty that key confidential waste is safely and effectively destroyed. It removes toner and inks and takes the used paper back to its fibers.

Your information stays safely on site and is never entrusted to external contractors.

This new solution goes way beyond conventional levels of information destruction, with a rating of P7.

ISO/IEC 21964-2 Security Level P7: Destruction of data carriers in such a way that the data on them cannot be reproduced with current technology or scientific knowledge (<5 mm^3 particle size).



CERTIFICATE

This confirms to the company

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EPSON Deutschland GmbH
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40670 Meerbusch

that the system

PaperLab A-8000

meets the requirements of

ISO/IEC 21964-2 Security Level P7 / SK 2

(suitable for use in a process of storage media destruction in protection level 2 (SK2))

as set out below. An audit has shown that the requirements of the specification are met. The implementation in practice was tracked based on samples in the audit. The audit report of 12.9.2019 is an annex to this certificate.

Standard	ISO/IEC 21964-2 Requirements for equipment for destruction of data carriers - 2018-08
Material	P – Information in the original size (paper, film, printing plates,...)
Protection Class	Not applicable
Security Level	P7
Certificate Registration No.	545134 KB
Date of Certification	2019-08-28

DQS BIT GmbH

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Managing Director

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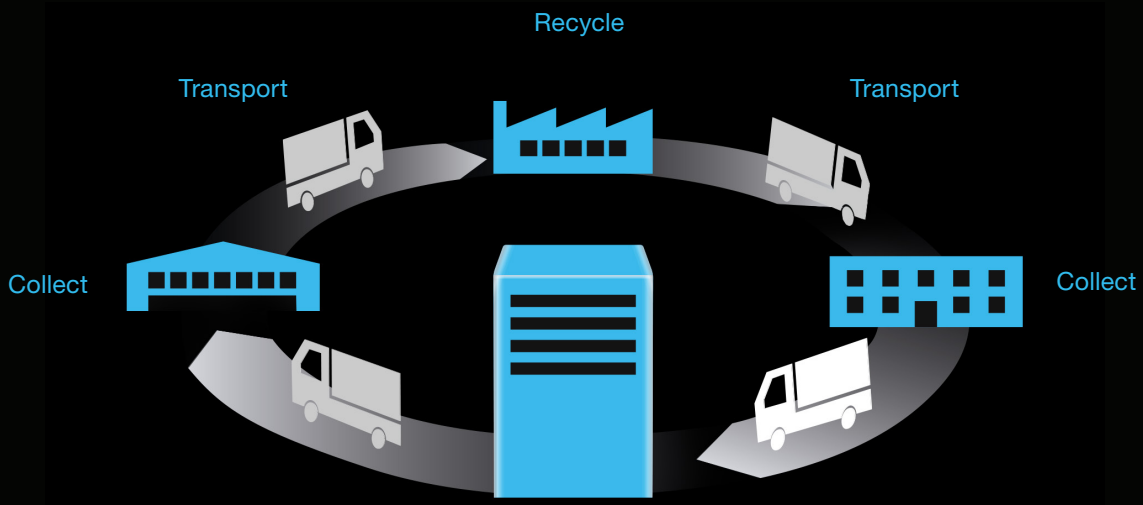
Out with the old, in with the new

The traditional process to destroy confidential office paper is by shredding. This involves bagging up the used paper which then needs to be collected or delivered to the shredding plant.

Shredded paper is only partially destroyed, despite undergoing a time-consuming process. It also needs to be processed and collected.

Disposing of used paper confidentially means using external specialists which can be expensive and result in a large CO_2 footprint.

New paper must be sourced, purchased and delivered, requiring more planning and logistics and creating further environmental impact.



The Traditional Process

PaperLab in-house solution - small paper cycle

The used paper is collected or dropped off, then stacked securely in-house, ready for PaperLab. Within 3 minutes[4], the new paper emerges from PaperLab (after the first sheet feeding has started).

4. Approximate values. Output speed, first sheet out time may vary depending on environmental conditions.

Model		PaperLab A-8000
Production Performance		A4 size plain paper: Max 720 sheets/hour A3 size plain paper: Max 360 sheets/hour
Produced paper (Dry Fiber Paper) specification	Size	A4 / A3
	Thickness	Plain paper: 90g/m^2 , 100g/m^2 and 110g/m^2 Thickness paper: 150g/m^2 to 240g/m^2
	Color support	Available with mixing PaperPlus (White, Cyan, Magenta, Yellow)
Paper feeding specification	Sizes	A4 / A3
	Thickness	Plain paper copier from 64g/m^2 to 108g/m^2
Repeat recycling		DFP mixing 10%
Electrical specification	Power Supply	200V 3 phase AC
	Power consumption	6.5kW
	Current	40A
	Power	12.47kVA
Dimensions		2.85 (W) x 1.43 (D) x 2.01 (H) m (Excluding external units such as paper feed unit, stacker, etc) Height including silencer
Weight		1,750kg
Noise		65dB or lower
Environmental specification	Operating	Temperature: 12°C to 28°C Humidity: 30% RH to 70 RH
	Storage	Temperature: 4°C to 40°C Humidity: 10% RH to 70 RH

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Dealer's Stamp

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For latest specifications, visit **www.epson.com.sg** or call **800 120 5564.**

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Please refer to www.epson.com.sg/contact for updated opening hours.