

Key Digital

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PaperLab



EPSON[®]
EXCEED YOUR VISION

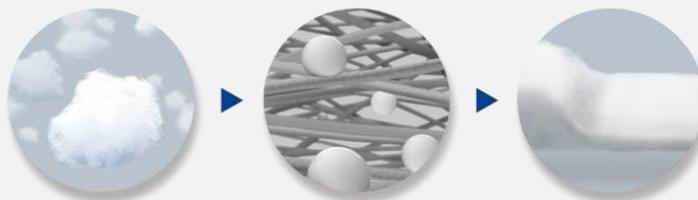
- Innovation through R&D
- Own technologies
- Sustainable technologies



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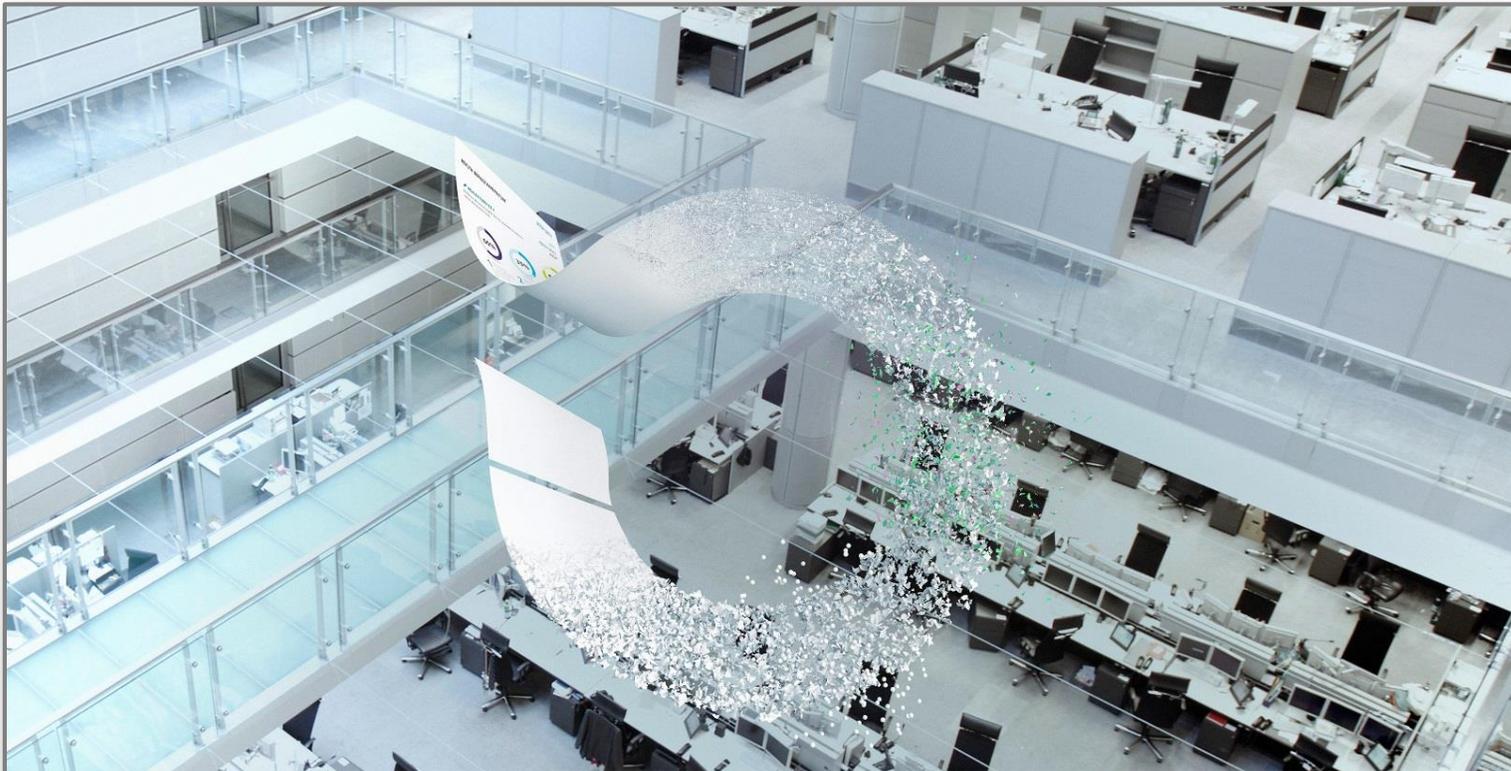


De-fiber Technology



EPSON PROPOSITION

As a leading company in the printer industry we feel responsible for the **life cycle of the printed documents**

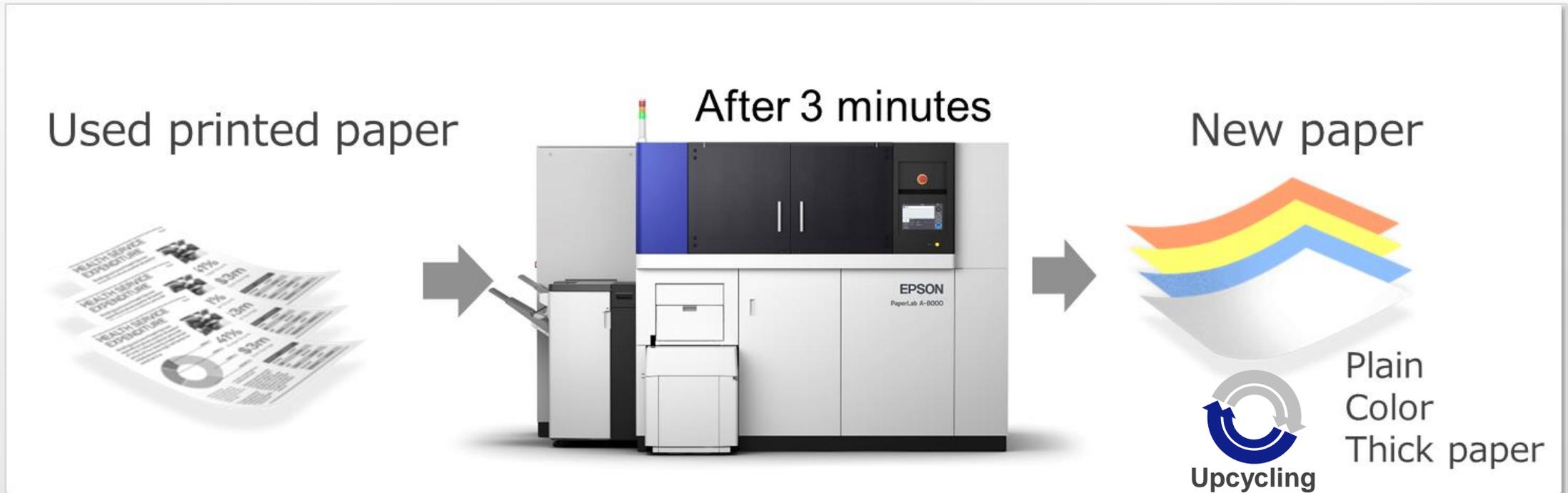


Contribution to **circular economy**



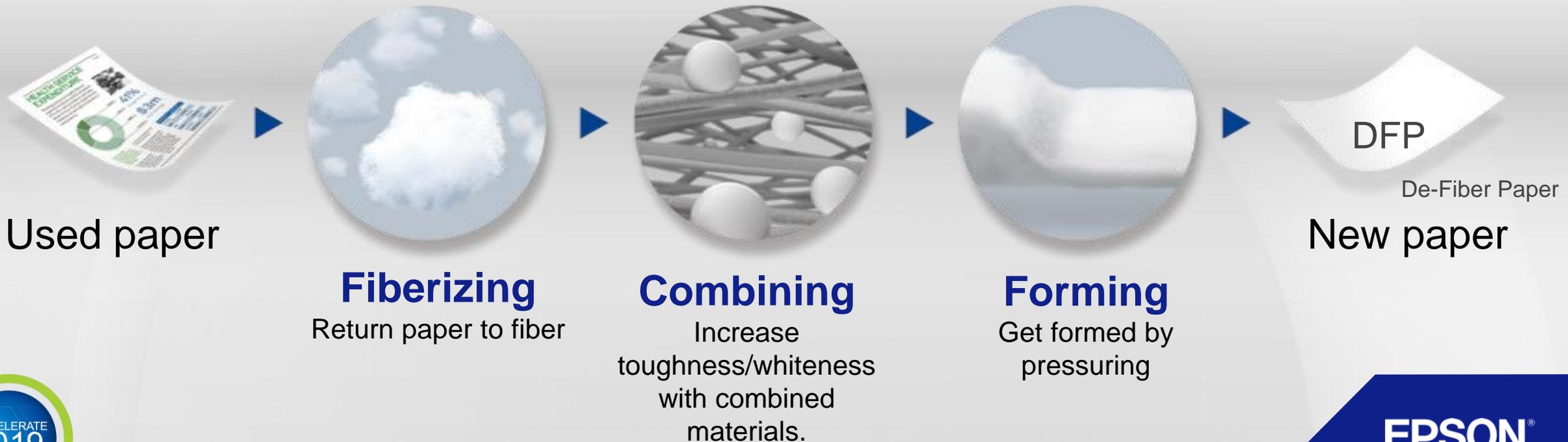
WHAT IS PAPERLAB ?

Solution that makes paper from used printed paper, on site & on demand



De-Fiber Technology

De-fiber technology consists of three technologies: "fiberization," "bonding," and "molding." Technology to produce new paper "de-fiber paper" from used paper



De-Fiber Technology

Innovation: Technology that minimize the use of water in the papermaking process

Whereas in the standard paper mill process:

A cup of water is consumed for creating one A4 paper.

(Approx.200cc)



Consumes 300 tons of water by buying 150mil pages of copier paper



Security

Paper reduced to a fiber level. Destroys information

Environment CSR

Office based recycle, small cycle. Contribution to Sustainable Development Goals (SDGs)



VALUES PROVIDED – SECURITY

1



**Putting paper
on the bin**

2



Using a shredder

3



**Outsourcing to
a recycle plan**

**PaperLab securely
destroys information**

Completely erase printed
information from a paper
by destructing to tiny fiber

4



Using PaperLab



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APPENDIX



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CASE STUDY 1



Paper waste reduction by 20% over previous year

- Application: application forms for citizens, business cards
- Education for community children about ecology





From 178,000 sheets of used paper in 5 months, the paperlab created 86,000 sheets of paper, including thick paper





SPECIFICATION OF PAPERLAB A-8000 (CURRENT MODEL)

Production performance		A4 size plain paper: Max 720 sheets/hour, (Media Support Mode) 600sheet/h, 480sheet/h A3 size plain paper: 360 sheets/hour
Produced paper (Dry Fiber Paper) specification	Size	A4 / A3
	Thickness	Plain paper: 0.12, 0.13, 0.15 mm Thickness paper: 0.2mm to 0.32mm
	Color support	Available with mixing PaperPlus (White, cyan, magenta, yellow)
Material paper specification		A3 (Option) or A4 size Plain Print Copy paper only
Electrical Specification	Power supply	200V 3 phase AC
	Power consumption	6.5kw
Dimensions		2.85(W) × 1.43(D) × 1.82 (H) M (Excluding external units such as paper feed unit, stacker, etc.)
Weight		1,750kg
Noise		70dB 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

