

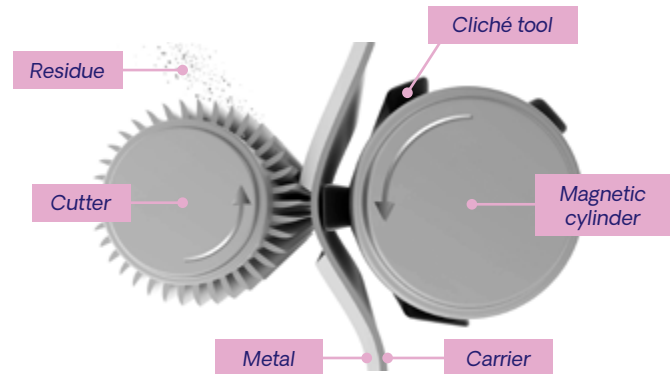
A unique gamechanger in flex electronics and circuit boards

Cost-efficient. Sustainable. Scalable.

Making the world's most scalable and sustainable electronics

DPP – Dry Phase Patterning – delivers cutting-edge flexible electronics production that lowers cost, secures quality and strengthens regional supply chains.

Our patented technology supports fast, scalable production, enabling customers to grow with resilience and responsibility. With our micro-plant concept, capacity is easily scaled globally.



The industry challenge

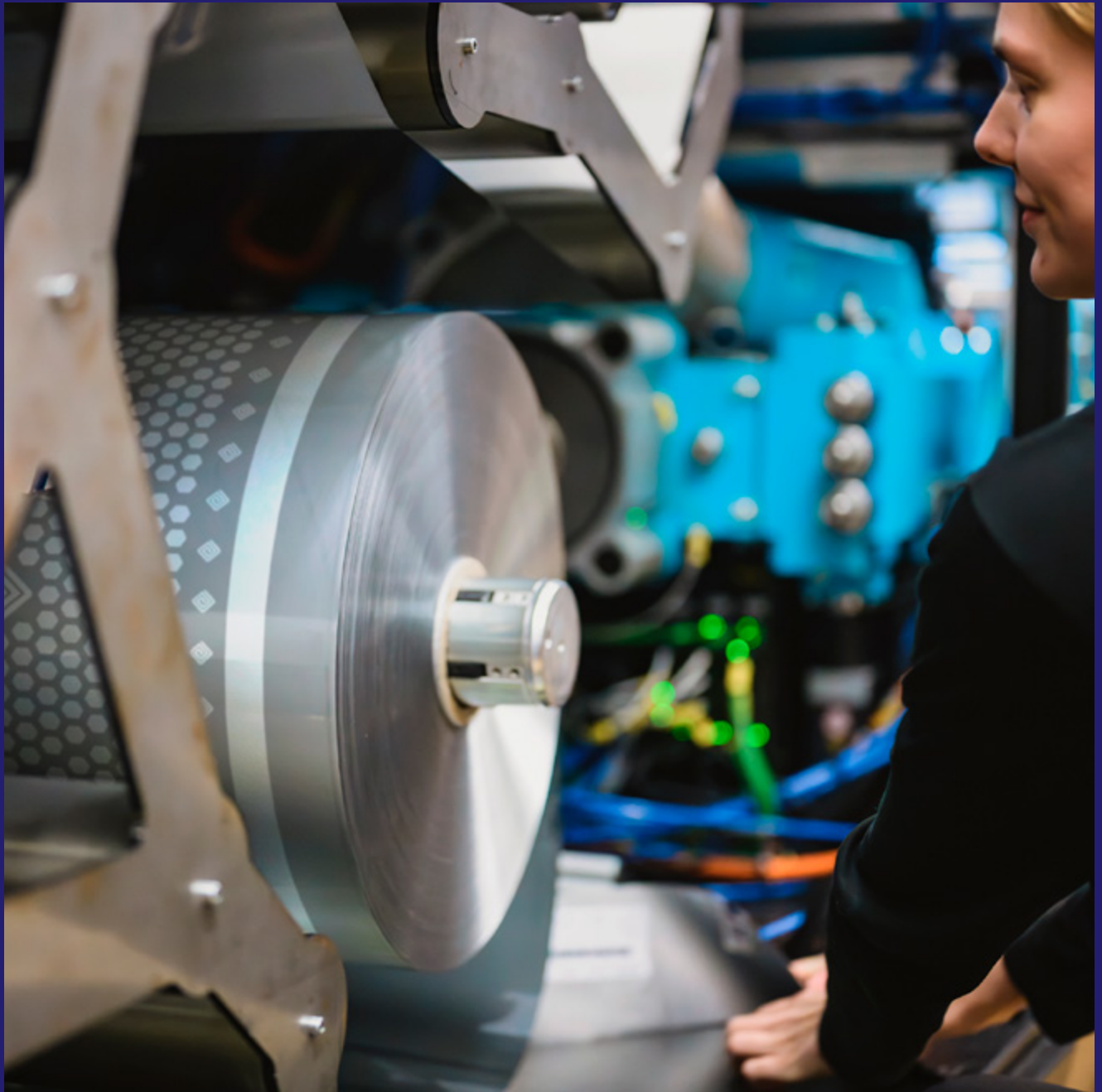
Until now, the electronics industry has been forced to rely on outdated and unsustainable solutions.

- Harsh chemicals, dangerous for people and the planet (etching).
- Excessive water consumption (etching).
- Hazardous waste (etching).
- Expensive and scarcity materials (silver).
- Low conductivity (silver).
- Long, complex supply chains (silver and etching).

The DPP solution

A patented mechanical process for manufacturing of flexible circuit boards and electronics.

- Roll-to-roll manufacturing.
- Chemical- and water-free.
- Aluminium & Copper cladded aluminium (Substrate: plastic film and paper).
- 100% recyclable residuals.
- High-volume production and scalability.
- Micro-plants for global reach and regional resilience.



Outperforming all com



Sustainable

98% CO₂ and energy reduction

Forget harsh chemicals, toxic waste, and the long logistics chain of traditional flex electronics manufacturing. With DP Patterning solution and manufacturing method, you can cut the environmental footprint of your components by up to 98%. No emissions. No risky handling. No dangerous waste. If your sourcing stinks — *change it*.

Cost-efficient

Get ready for significant cost savings

By choosing Dry Phase Patterning our customers obtain significant cost reductions across every stage — materials, transport, time and process. Switching from expensive silver to aluminium, one of the most abundant and affordable conductive materials on Earth, means you start saving from day one. Add faster production speed and easier handling of finished products, and the total savings grow exponentially. Curious about the numbers? We'll calculate your actual savings.



Competitive methods



Scalable

**+ 10 million sqm annual capacity.
And that's just the beginning.**

Our technology and production model are designed for global scalability. Through a network of compact, regional production facilities, we bring sustainable manufacturing closer to where it's needed. With DP Patterning, capacity will never be the question — only when and where you need us.



**Fast and reliable supply
of flex electronics for all
industries**

Automotive

- Batteries
- Heaters
- Lighting

Consumer electronics

- Displays
- Sensors
- Membrane switches
- IoT connectivity

Communication

- Flat panel antennas
- Patch antennas
- 3G-6G telecom
- Reflectors and superstrate layers

MedTech

- Electrodes
- Sensors
- Heaters

Aviation

- Drone components
- Flex cables
- Displays
- Navigation components

Industrial solutions

- Large area sensors
- Internal reflectors
- Large area heating
- Flex cables

Global reach with regional resilience

The patented DPP process and our unique technology are the foundation of our growing success.

The next step is our micro-plant concept — designed for regional, high-volume production close to our customers.

Because our process is exceptionally clean, compact, and easy to install, we can establish new production facilities quickly and efficiently — almost anywhere in the world.

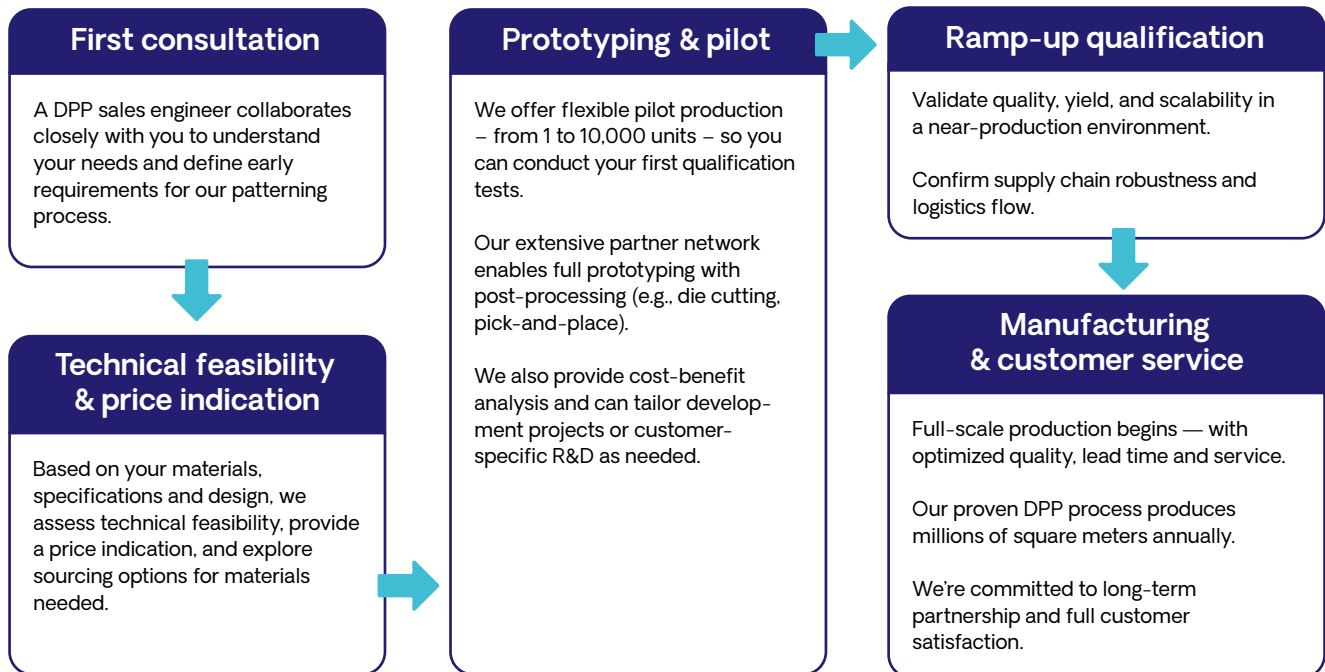
Each micro-plant is scalable by design, enabling large production volumes thanks to the high capacity of our DPP machines.

Fast and Reliable – From initial tests to full-scale production

We provide end-to-end support throughout your entire journey: from development projects and early tests to pilot runs, ramp-up and high-volume serial production.

Your project is managed with precision and care, backed by extensive experience in scaling from concept to mass manufacturing.

Your journey to scaled production





DP Patterning Capabilities

Carrier material	Flexible materials; PET, PEN, PI, paper etc.
Carrier thickness	25–200 μm
Material format	Reel
Patterning materials	Metals, carbon, ITO etc.
Conductor thickness	< 35 μm
Pattern spacing	> 100 μm^*
Pattern pitch	> 500 μm^*
Line definition roughness	< 30 μm^*
Repeat pattern size	Width < 410 mm Length < 2 300 mm

* Dependent on pattern and material, other materials and sizes on request.

Your design, your way

If our listed specifications don't match your needs, reach out. We specialize in creating custom solutions.

Leading the way to zero-emission electronics

Our mission is to provide the world's most scalable and sustainable electronics manufacturing. Through our patented low-emission process and backed by more than 25 years of research and technology development, we enable industrial, regional and resilient production for global leaders in connectivity, mobility and energy.



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**Work with us.
Join us.
Follow us.**

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