

# Elephantech

**Making the world sustainable with  
new manufacturing technologies**



**Elephantech Inc. is a startup  
that manufactures and sells P-Flex®  
a Flexible PCB manufactured  
by inkjet printing and copper plating.**

P-Flex® is a single-face flexible PCB manufactured by our original Pure Additive™ method, a technology that inkjet-prints silver nano ink onto PET film and forms copper layer by highspeed electroless plating on top.

## About Elephantech's manufacturing method (Pure Additive™ processing)

This manufacturing method consists of inkjet-printing silver nano-ink onto the substrate before electroless copper plating is applied to form the circuit. By reducing the amount of metal, liquid waste and man-hours, we can lessen manufacturing costs and shorten the lead time.

(\* Patent No. 6300213 acquired)

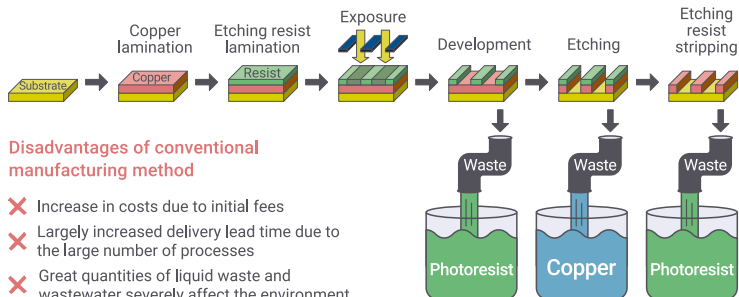
## Elephantech's manufacturing method (Pure Additive™ processing)



### Advantages of Elephantech's manufacturing method

- ✓ Forming the circuit only where needed allows for a reduction in manufacturing cost and environmental footprint.
- ✓ A simple manufacturing process allowing for a shorter lead time.

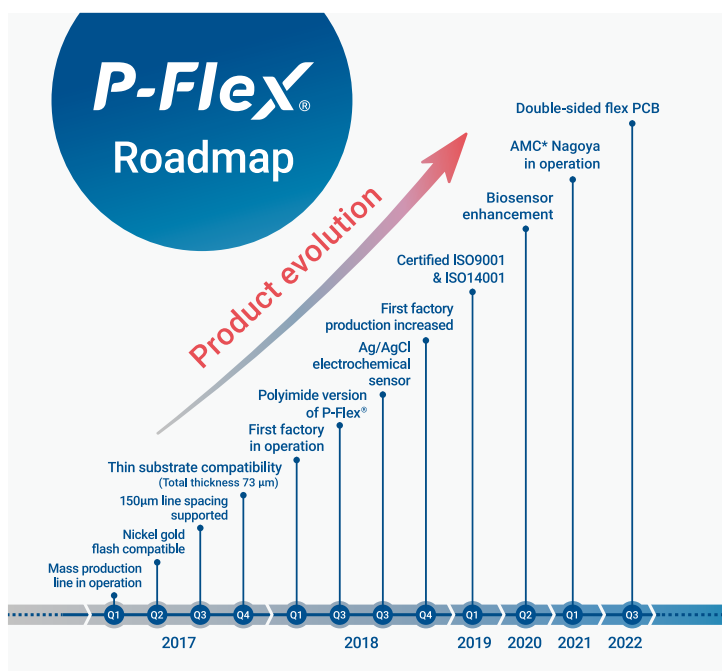
## Conventional manufacturing method (subtractive method)



### Disadvantages of conventional manufacturing method

- ✗ Increase in costs due to initial fees
- ✗ Largely increased delivery lead time due to the large number of processes
- ✗ Great quantities of liquid waste and wastewater severely affect the environment

## P-Flex® Roadmap

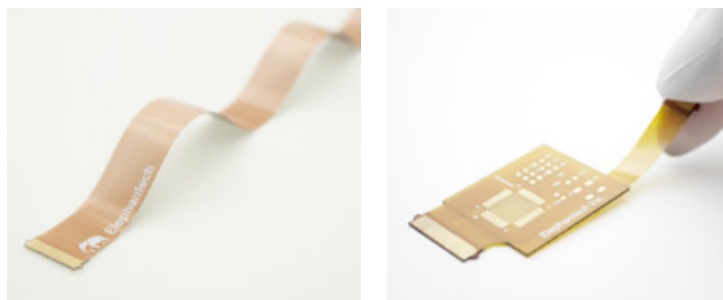


(\*)AMC: Additive Manufacturing Center

## P-Flex® Applications

- ✓ Automobile
- ✓ Manufacturing Equipment
- ✓ Home Appliances
- ✓ Office Equipment
- ✓ Food Processing Machinery
- ✓ Medical Equipment
- ✓ Mobile Equipment
- ✓ Wearable Equipment
- ✓ RFID
- ✓ Aerospace Parts

Flexible PCBs are increasingly being adopted to replace existing rigid boards and wiring harnesses in order to reduce weight, miniaturize, and reduce the number of parts. P-Flex®, a new idea and next generation flexible board that is compatible with mass customization is being used even in places where flexible boards could not be used before.



## Management Team

**Co-founder & CEO, Board Member** Shinya Shimizu  
 Master of electronics and information engineering, Graduate School of Information Science and Technology, University of Tokyo  
 2012: Joined McKinsey & Company and provided consultancy service mainly to manufacturers in Japan.  
 January 2014: Co-founded AgIC Inc. and became CEO.

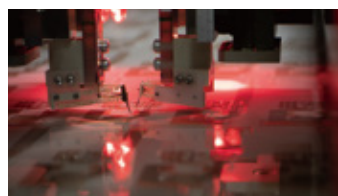
**Co-founder & SVP, Board Member** Masaaki Sugimoto  
 M.S., Earth and Planetary Science, Graduate School of Science, University of Tokyo  
 Coursework completed without obtaining a degree, doctorate program, Graduate School of System Design and Management, Keio University  
 January 2014: Co-founded AgIC Inc. and became Board Member and Vice President.

Executive Officer&CTO	Junji Takeo	March 2019: Appointed Executive Officer & CTO at Elephantech Inc.
Non-executive Director	Tomihisa Kamada	Founder and CEO, TomyK Ltd./Co-Founder and former CEO, ACCESS Co., Ltd.
Non-executive Director	Tsuyoshi Ito	Managing Partner, Beyond Next Ventures
Non-executive Director	Shinji Ohshige	Managing Director, Innovation Network Corporation of Japan
Non-executive Auditor	Kengo Ueha	Partner, Beyond Next Ventures

## Hatchobori Factory overview



Main entrance to office and factory



Open-Short Inspection System

## Company Overview



**Elephantech Inc.**  
 (Formerly AgIC Inc.\*)

\*Changed corporate name on September 4, 2017

Establishment January 6, 2014  
 Address 4-3-8 Hatchobori, Chuo-ku, Tokyo 104-0032, Japan  
 Capital JPY 310 million  
 Representative Shinya Shimizu, CEO  
 Website <https://www.elephantech.co.jp/en/>  
 Contact <https://www.elephantech.co.jp/en/about/#contact>

Website



Contact

