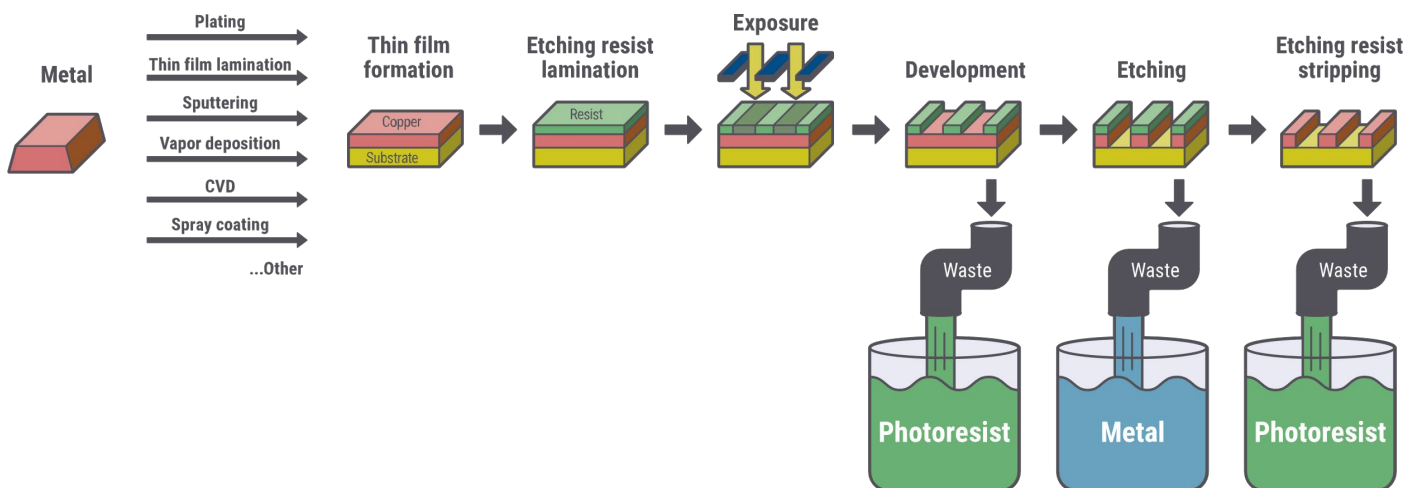


Selected for NEDO's FY2022 "Technology-based Startup Support Program"

Elephantech Inc. (Head Office: Chuo-ku, Tokyo; President: Shinya Shimizu; hereinafter referred to as "Elephantech") has been selected by the New Energy and Industrial Technology Development Organization (hereinafter referred to as "NEDO") for the "Technology-based Startup Support Program" for the fiscal year 2022. The program will provide grants of up to approximately 200 million yen.

■ Background

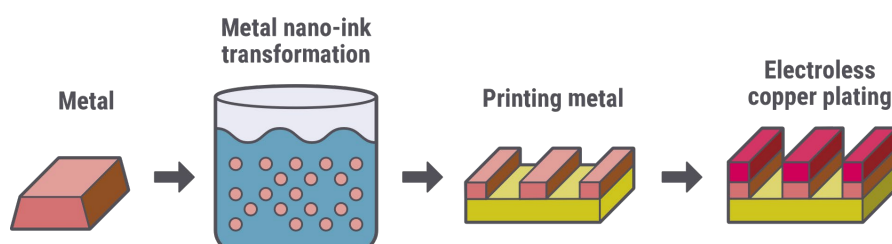
Conventional manufacturing method (subtractive method)



In the conventional manufacturing method (subtractive method) for circuit boards, a major issue is that the environmental burden is extremely high due to a large amount of waste liquid and wastewater, because it is a piling and grinding method whereby the metal film is formed on the entire surface and then the unnecessary portions are melted down using a so-called photographic method and disposed of.

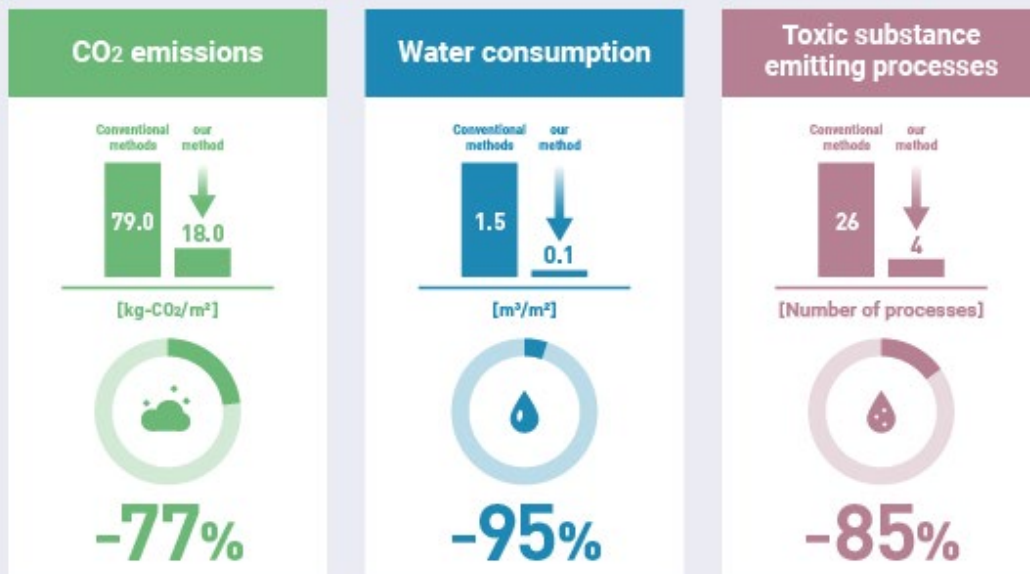
Elephantech's manufacturing method (Pure Additive™ processing)

Our manufacturing method (Pure Additive™ processing) is a method of "nano-forming metal into ink, forming metal patterns, printing metal only on the necessary areas, and then growing the metal by plating. This method uses only the necessary materials and shortens the process, enabling significant resource and energy conservation.¹





Extraordinary savings in resources and energy



1: [Environmentally Friendly, Proprietary Technologies](#)

■ Research Objectives

After basic research and small-scale demonstrations to date, Elephantech has achieved mass production demonstrations in 2020. ²

To support mass production in larger quantities and with higher specifications, this grant project will conduct research and development to achieve large-scale production under the theme of "Development of high-throughput energy-saving FPC mass production technology using IJ printing".

2: [Elephantech Starts Operations at its Large Mass-Production and Research Complex](#)

To realize our mission of "Making the world sustainable with new manufacturing technologies", Elephantech will contribute to the realization of a sustainable society by improving manufacturing process technology, developing Inkjet Printing System, and engaging in research and development in new areas of IJ printing-based manufacturing.



■ About this Program

Elephantech is adopted by the "Technology-based Startup Support Program" of NEDO this time. This program aims to support the commercialization of startups that have concrete business plans to solve social issues, including those in the energy and environment fields, and that contribute to the creation of a sustainable society. The purpose of this program is to support the commercialization of startups that have concrete business plans to solve social issues and contribute to the creation of a sustainable society, including in the energy and environmental fields.

NEDO website: <https://www.nedo.go.jp/english/index.html>

Company Profile

Name	Elephantech Inc.
Establishment	January 2014
Headquarters	4-3-8 Hatchobori, Chuo-ku, Tokyo 104-0032, Japan
representative	Shinya Shimizu, CEO
Capital	JPY 100 million
Number of Employees	73
Business Description	Development of printed electronics manufacturing technology and provision of related services
URL	https://www.elephantech.co.jp/en/

As of June 1, 2022

Contact for inquiries regarding this matter
Elephantech Inc. Public Relations: pr@elephantech.co.jp