

Elephantech Receives Minister of Economy, Trade and Industry Award at CEATEC AWARD 2023

Elephantech Inc. (Headquarters: Chuo-ku, Tokyo; Shinya Shimizu, Representative Director & CEO) was awarded the Minister of Economy, Trade and Industry Prize at the CEATEC AWARD 2023.

The company believes that its achievement of mass production of electronic circuit boards using metal inkjet printing with low environmental impact was highly appreciated.



Assessment

"Today, electronic devices such as smartphones and PCs are indispensable to daily life. And indispensable to their manufacture is the PCB or printed circuit board. Electronic components are soldered onto PCBs to create electronic circuits, and typically this is achieved using the subtractive method, in which metal is applied to the entire surface of the substrate. On those portions of the board where traces are not needed, the metal is melted and removed, but this process involves large amounts of waste liquids and wastewater, meaning it has a high environmental impact. Elephantech is the first company to succeed in mass-producing electronic circuit boards using a "pure additive method," which utilizes metal inkjet printing technology to apply metal only where traces are needed. It is thus expected to make an important contribution to the realization of a carbon-neutral, decarbonized society. As well as significantly reducing CO2 emissions and water consumption, it can also greatly reduce the amount of copper and other metals used, meaning lower resource needs and lower costs. And having achieved mass production ahead of its competitors, Elephantech was also highly evaluated as regards its business continuity and development potential."

<https://www.ceatec.com/en/event/award-winner.html#sec02>



What is CEATEC AWARD

The CEATEC AWARD is awarded to the most innovative and outstanding entries at CEATEC, where cutting-edge technologies are gathering.

The CEATEC AWARD is given to the most innovative and outstanding entries at CEATEC, where cutting-edge technologies from all over Japan and the world are gathered, This award was created to stimulate the industry by introducing superior technology to the public and contributing to the creation and development of new value and markets.

It is a prestigious award that is judged rigorously by relevant academic societies, media, and government ministries.

<https://ceatec.com/award/en/>

Company Overview

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

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