

FOR IMMEDIATE RELEASE

No. 3878

Customer Inquiries

Media Inquiries

Industrial Automation Marketing Division
Factory Automation Systems Group
Mitsubishi Electric Corporation

Public Relations Division

Mitsubishi Electric Corporation

www.MitsubishiElectric.com/fa/contact-us/

prd.gnews@nk.MitsubishiElectric.co.jp
www.MitsubishiElectric.com/en/pr/

Mitsubishi Electric Invests in Elephantech Under New Partnership

Aims to accelerate reduced-impact inkjet printing of circuit boards

TOKYO, March 12, 2026 – [Mitsubishi Electric Corporation](#) (TOKYO: 6503) announced today that it has invested in Elephantech Inc., a startup developing proprietary nano-ink technology for inkjet printing, and signed a partnership agreement with the company. Through the partnership, Mitsubishi Electric aims to accelerate the industry’s shift to manufacturing printed circuit boards (PCBs) using inkjet printing, a process known for its significantly reduced environmental impact. Previously, [Mitsubishi Electric’s Corporate Venture Capital \(CVC\) fund invested in Elephantech in May 2023](#).

Elephantech has developed advanced copper nano-ink* technology for an innovative manufacturing process that prints the ink on a substrate only where needed to form circuits. Compared to conventional methods, this process dramatically reduces the number of manufacturing steps while lowering copper and water usage as well as CO₂ emissions. The result is lower manufacturing costs and reduced environmental impact.

Under the agreement, Mitsubishi Electric will begin offering factory automation (FA) solutions incorporating Elephantech’s inkjet printing technology to PCB manufacturers. In the future, Mitsubishi Electric’s manufacturing sites will use specialized technology from Elephantech for the mass production and sales of inkjet printing equipment, and the two companies will collaborate to expand the market.

The advancing Internet of Things (IoT) and the widespread adoption of artificial intelligence (AI) are driving an increasing demand for PCBs used in electronic devices. Concurrently, lowering the environmental impact of PCB manufacturing has become an urgent issue. Conventional PCB manufacturing forms circuits by using chemical etching to remove excess copper foil from substrates. This process generates significant waste and consumes large amounts of water, creating environmental burdens. Against this backdrop, innovation in PCB manufacturing methods is in high demand.

* A copper nanoparticle dispersion containing finely dispersed copper particles with an average diameter of 15nm.

Going forward, Mitsubishi Electric will continue to promote open innovation by partnering with companies that offer diverse ideas and advanced technologies to help address manufacturing challenges worldwide.

Shinya Shimizu, CEO of Elephantech Inc., said: “Driven by our commitment to revolutionize the PCB industry through nanomaterials innovations, we have come to the stage where stable equipment production, smooth delivery to the market and reliable operation at customer sites are the top priorities. Our partnership with Mitsubishi Electric, a leading manufacturing equipment supplier in the PCB industry, provides a fueling prompt for us to accelerate the global deployment of new manufacturing method.”

Takayuki Tsuzuki, Executive Officer and Group President, Factory Automation Systems at Mitsubishi Electric Corporation, said: “Elephantech’s new manufacturing method is an extremely effective solution that meets the growing need to both lower manufacturing costs and reduce the environmental impact of PCB production. We are confident that combining our long-standing expertise in FA development, manufacturing and sales with Elephantech’s innovative technology will create ideal synergy and deliver added value to our customers.”

About Elephantech Inc.

CEO	Shinya Shimizu
Location	4-3-8 Hatchobori, Chuo-ku, Tokyo 104-0032, Japan
Foundation	January 2014
Business	Development, manufacture and sales of proprietary machinery and materials, as well as PCB products
URL	https://elephantech.com/en/

###

About Mitsubishi Electric Corporation

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its “Changes for the Better.” The company recorded a revenue of 5,521.7 billion yen (U.S.\$ 36.8 billion*) in the fiscal year ended March 31, 2025. For more information, please visit www.MitsubishiElectric.com

*U.S. dollar amounts are translated from yen at the rate of ¥150=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2025