



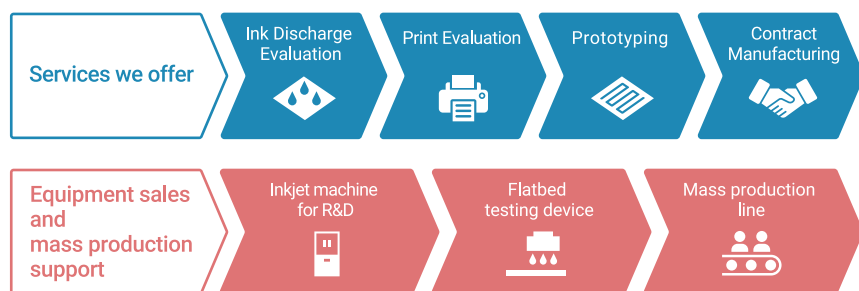
ADDITIVE MANUFACTURING CENTER

AMC (Additive Manufacturing Center) is devoted to the advancement of mass production by AM

By leading the world with AM, we aim to make AM a major manufacturing method in Electronics, Healthcare, Textile and Optics.

*AM uses inkjet and other printing technologies to selectively stack materials onto desired areas.

Image: Stretchable LED Lamp Using a Tomoe-type Kirigami Structure P-Flex®



The Services

Ink Discharge Evaluation

Verification of ink discharge from the inkjet printhead.

Print Evaluation

Verification of the printed circuits & patterns.

Prototyping

IJ prototyping collaboration for circuits & biosensors.

Contract Manufacturing

Prototyping & manufacturing from small lots.



EPSON R&D inkjet printing equipment

Electronics

Ink

Metal nanoparticles Inks, Catalyst ink, insulating materials, carbon inks, transparent conductive material inks, glowing inks, solar cell related materials, semiconductor inks, pretreatment agents, decorative printing inks, etc.

Substrate

PET, PI, PC, glass, paper, materials that are biocompatible, disposable, or have good electrical properties, etc.

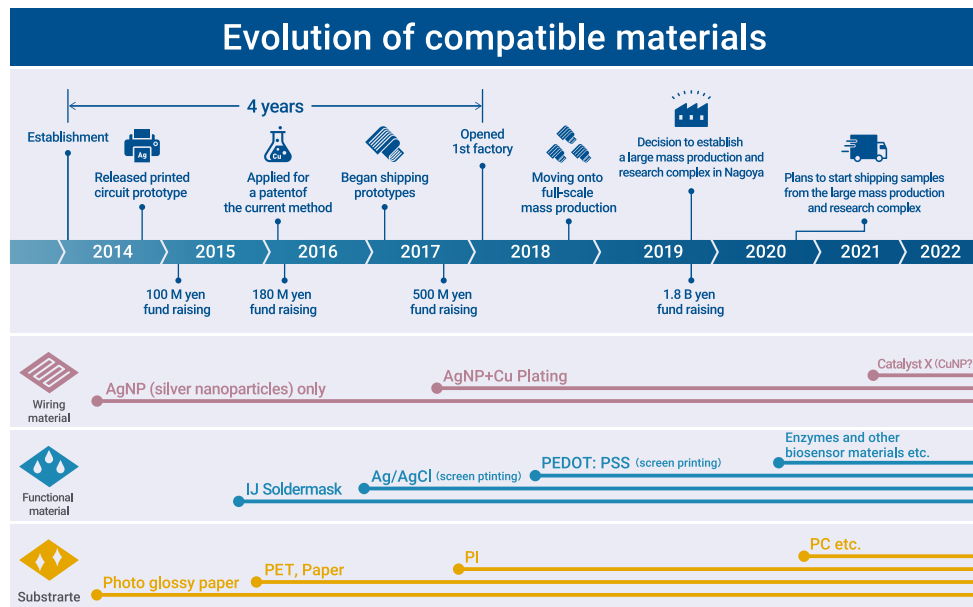
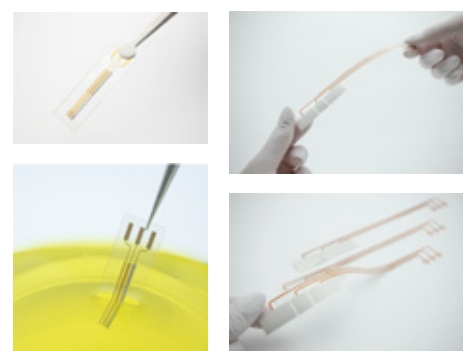
Technological applications for P-Flex[®]

Development of IMPC[™] related technologies (resin housing, wiring, connector integrated molding, etc.)

Healthcare

Biosensors, etc.

Enzymes, Transducers, Mediators, insulating layers



Textile

Dyeing, texturing, proofing (water, antibacterial, odor, etc.)

Optics

Freedom in setting of refractive index (GRIN lens, etc.)
High transparency, cuts specific frequencies

Bases



AMC Tokyo: Till the pilot phase | AMC Nagoya: Mass production & testing

Cooperation bases

- EPSON Fujimi Inkjet Innovation Lab, Fujimi Office
- TAKAHATA PRECISION Co., LTD. Sakaigawa Lab

Backed by Various Industries, a New World Standard

Company Name	Expected role
SEIKO EPSON CORPORATION	Inkjet printing technology
Mitsui Chemicals Inc.	Production tie-up/ material development
TAKAHATA PRECISION Co., LTD.	Development of 3D wiring components

Company Overview



Company name: Elephantech Inc.
 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>



Department name: AMC (Additive Manufacturing Center)
 Website: <https://info.elephantech.co.jp/amc/en>
 Contact: <https://info.elephantech.co.jp/amc-en#contact>

