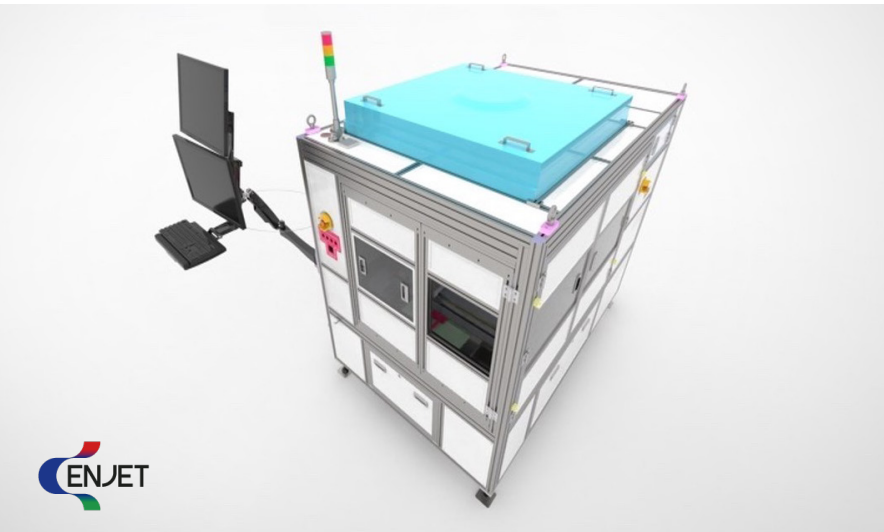


eNanoJet Printer

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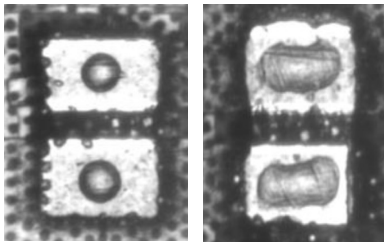


- Ultra Fine Patterning
- Drop-on-Demand
- High Performance Controller

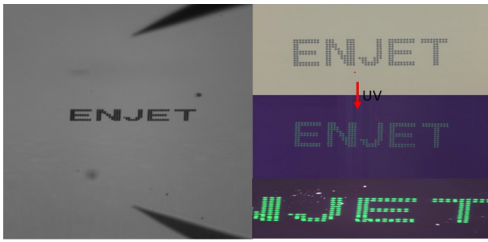
EHD Inkjet Technology is a result of over 15 years of Enjet research and manufacturing optimization

	Description
Line Width	>1μm
Viscosity	<1,000cPs
XYMotion	Resolution 0.1 μm. Accuracy : ± 1.5 μm
Maximum speed	400mm/s
Inspection	Automatic Inspection
Printable size	Basic : 300 x 300 mm. (Customized)
Machine size/type	FULL Size with cover frame and tower lamp On Granite base + Vibration Isolator With top Fan Filter Unit (FFU)

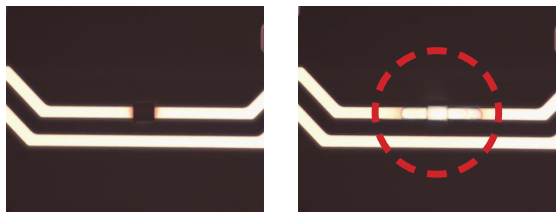
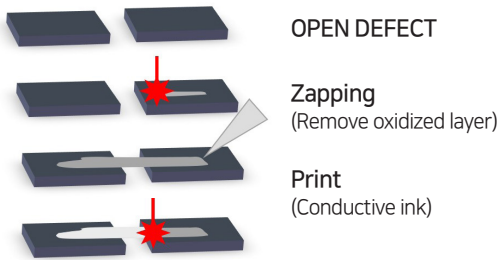
Micro-LED PAD Printing



QD Ink Printing

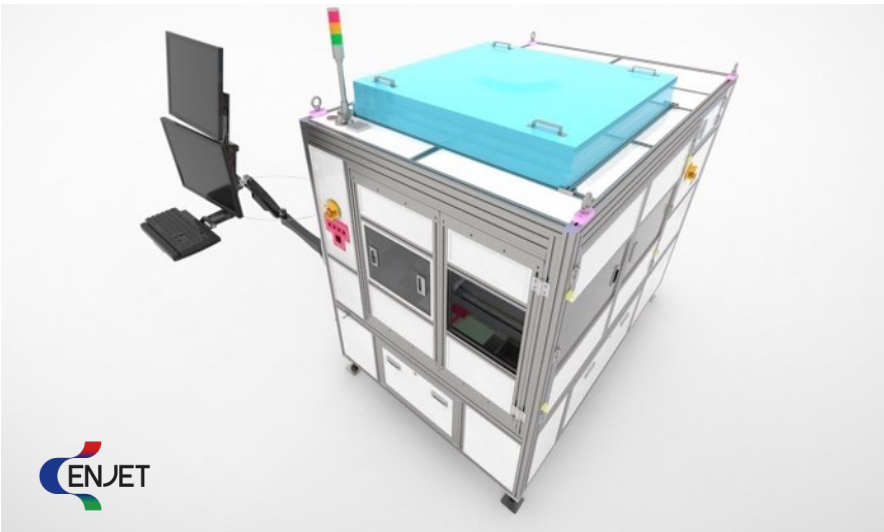


OLED TFT Printing



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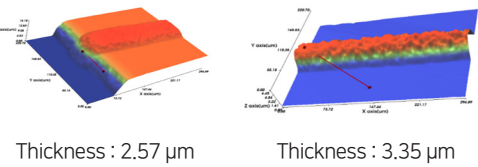
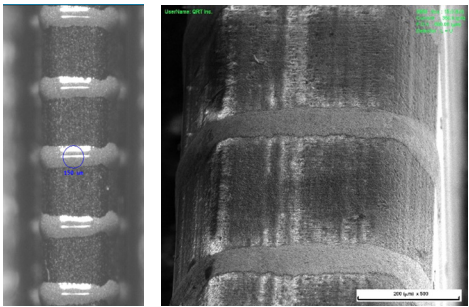
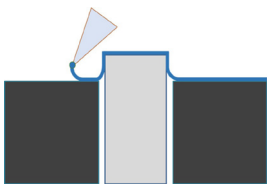
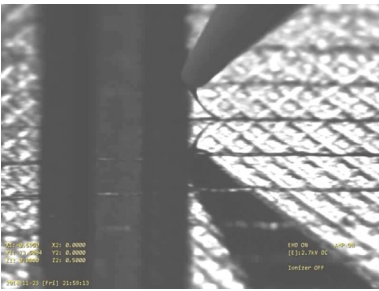


- High Speed
- High Aspect Ratio Patterning
- 3D Surface Printing

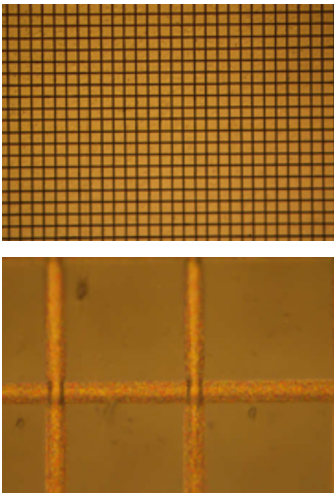
New Evolution of Ultra Fine EHD Inkjet Printing Enjet's Technology

	Description
Line Width	>10μm
Viscosity	<10,000cPs
Printable size	Basic : 400 x 400 mm. (Customized)
XYMotion	Resolution 0.1 μm. Accuracy : ± 1.5 μm
Maximum speed	600mm/s
Machine size/type	FULL Size with cover frame and tower lamp On Granite base + Vibration Isolator With top Fan Filter Unit (FFU)

Micro-LED Side Electrode



Metal-Mesh

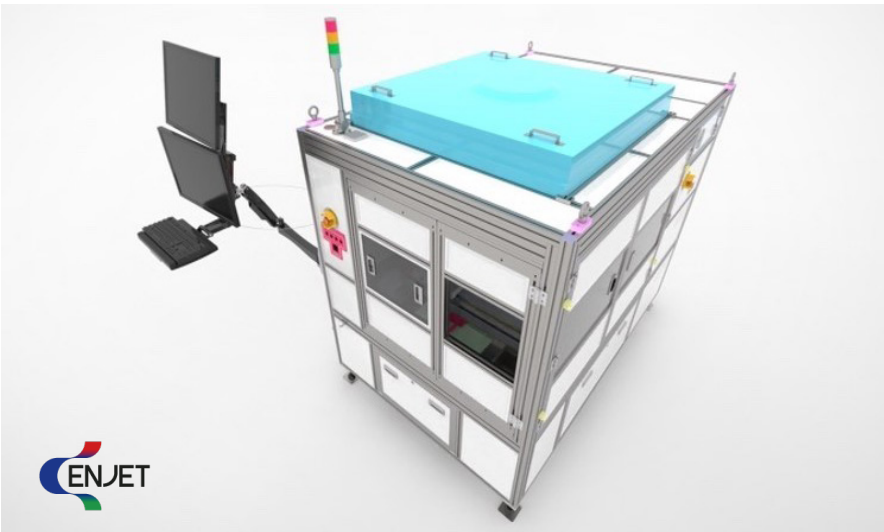


Line width: 8.5 - 10μm



EHD Dispenser

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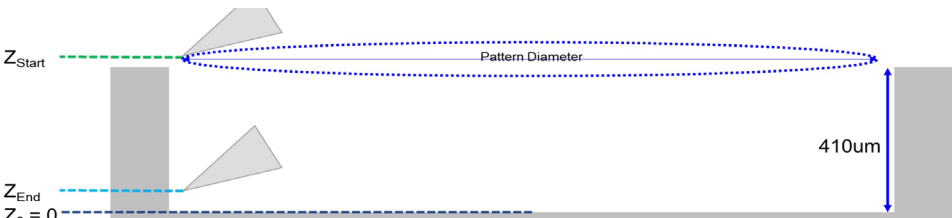


- 3D Surface Printing
- High Precision Nozzle
- Focusing by Electric field

Enjet EHD Pressurized Dispenser with High Performance

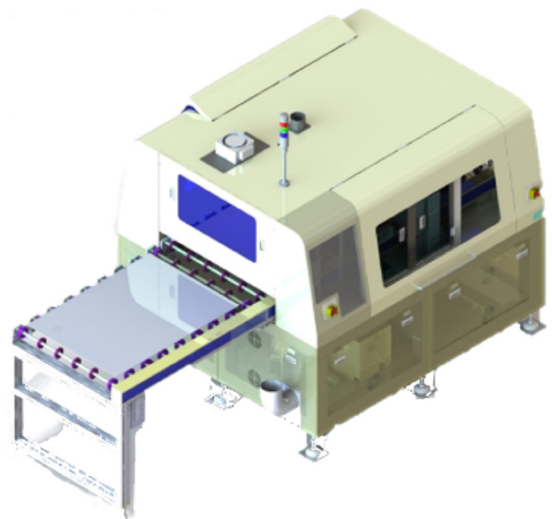
	Description
Machine size / type	>100μm
Viscosity	<20,000cPs
XY Motion	Resolution 0.1 μm. Accuracy : ± 2 μm
Printable size	Customizable
Maximum speed	100mm/s. (Customizable)
Machine size/type	FULL Size with cover frame and tower lamp On Granite base + Vibration Isolator

Light Sealing



EHD Spray Coater

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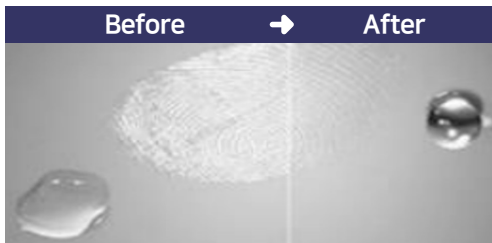
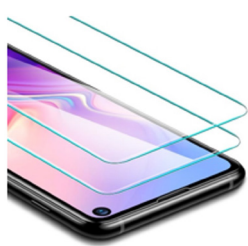
- Nano-scale Atomization
- Highly Uniform Deposition



Enjet EHD Thin-Film Deposition Technology

	Description
Coating Thickness	>20µm
Coating Thickness	<2%
Viscosity	1,000cPs
Machine size/type	3700 x 1500 x 1780mm / 1820mm (Coating size Customizable)
Class Level	Class 10,000
Plasma Module	Surface Treatment with Ar, O2 Gas
Required Utility	Power: 3 Phases 208V AC, 50~60 Hz, 2KVA* CDA, N2: 0.5 Mpa* / 100 Liter/min
Heating Stage	Optional

AF Coating



EMI Shield Coating

AG Coating



PhotoResist Coating

Flux Coating



eJet - Valve Dispenser

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- Hybrid EHD Jet-Valve
- Fine Uniform Droplet

Evolution of High Precision Enjet EHD Jet-Valve Dispenser

	Description
Dot Size	>100µm
Viscosity	<1,000cPs
Applicable Syringes	0.5 to 70mL
Technology	EHD and Jetting Valve
Supply air pressure	0.5 Mpa or less
Applicable Fluids	Enzyme, Insulant fluid, UV resin, etc.

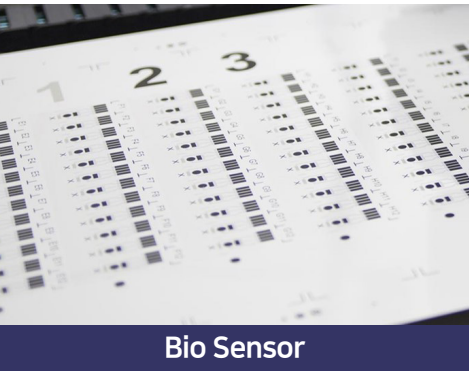
Biosensor Dotting



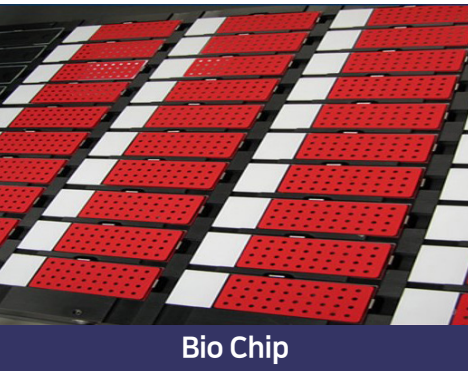
Non-Contact Dotting



Diagnostic worksheet



Bio Sensor

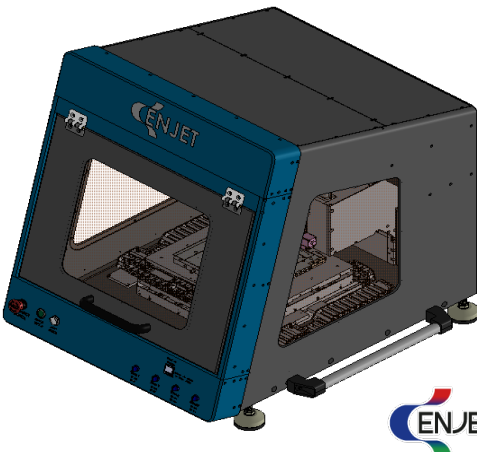
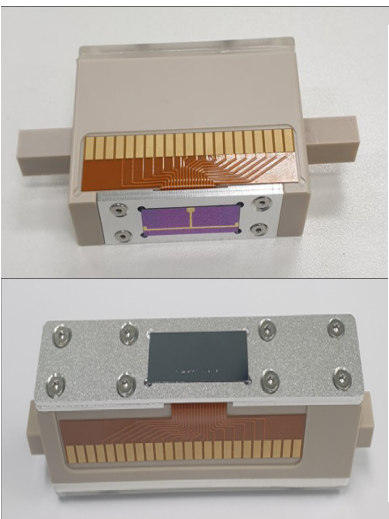


Bio Chip

- Feature 1**
Hybrid electrified and jet valve
- Feature 2**
Highly accurate direction
- Feature 3**
Non-scattering
- Feature 4**
Uniform droplet size

EHD Inkjet Printhead

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- High Resolution Printing (1pL~)
- High Viscosity Ink Ejection (~100cPs)

High Performance Enjet New EHD Inkjet Printhead for Industrial Printing

	Description
Droplet	1pL ~ 125pL
Viscosity	<100cPs
Coating Thickness	<1µm
Multi-Nozzle	Max 16ea
Jetting Frequency	1-10kHz

Multi - Nozzle Printing image

