

UMF Equipment – Ink-jet Printer

PixDro LP50

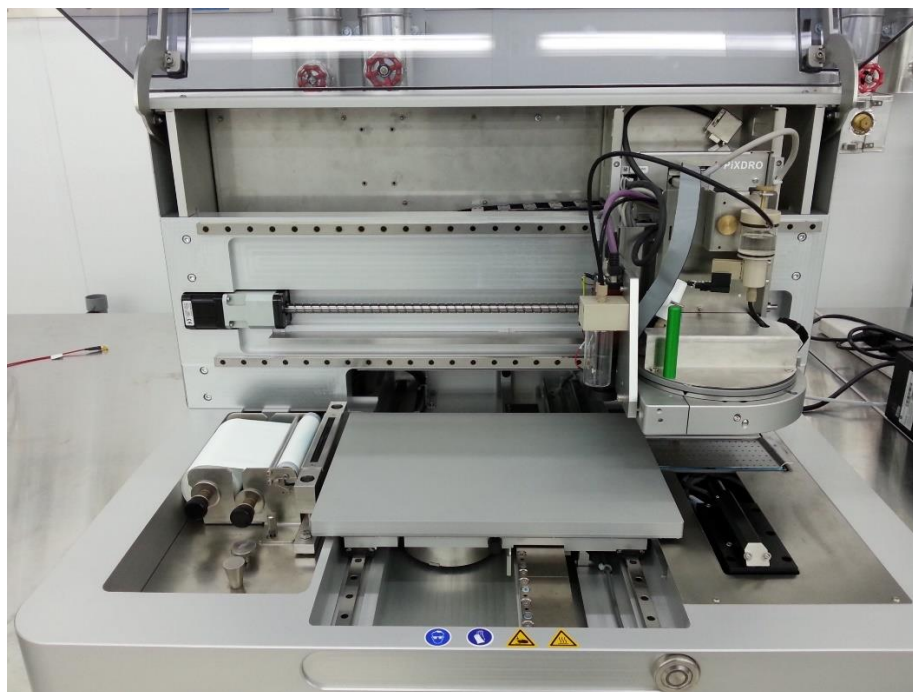
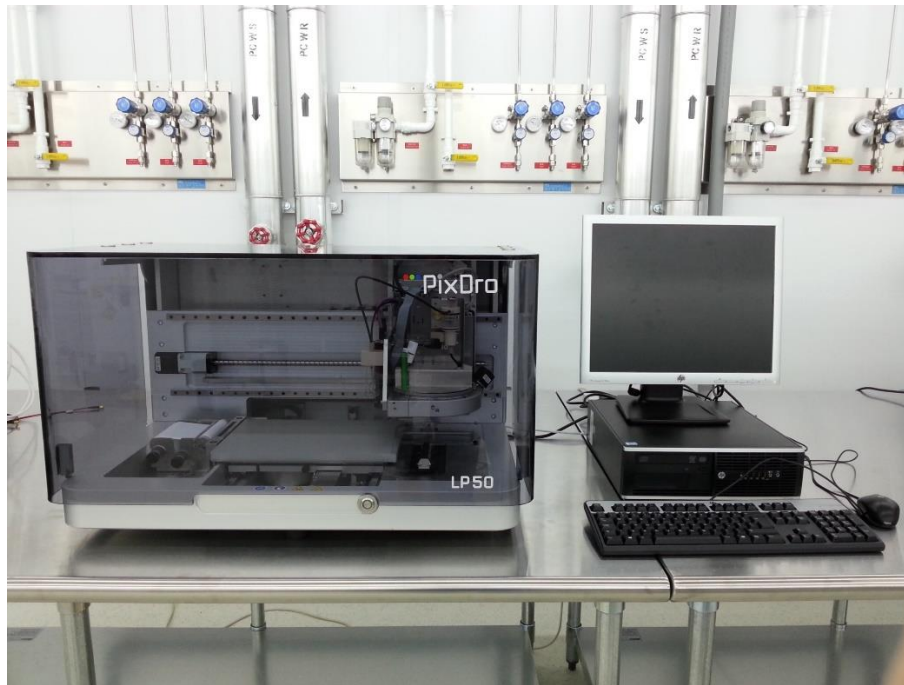
Ink-jet printer is an additive manufacturing technology. This tool is used for the application of layers deposition. Deposited materials are dissolved in aqueous or organic solvents. The materials are such as PEDOT, OLED ink, black matrix, photoresist, and some liquid typed insulator, Ag/Cu/metallic inks etc. Many kinds of substrate can be used, they can be textile, garment, substrate glass (especially the ITO glass), PET film, solar cell wafer, touch sensors glass etc.

The materials are printed with pico-liter sized droplets, and mostly with thickness in nano scale. Its precise drop placement and accurate drop volumes make functional inkjet printing suited to printed electronics, displays, OLED, sensors, PCBs, semiconductor assembly, photovoltaics, life science and optics.

- Features:
- Substrate size: 210 x 310 mm square
 - Printhead: Dimatix DMC printhead with 10pL drop size
 - Ink: Solvent based or water based can be used as ink
 - Accuracy: Maximum 5 μ m
 - Substrate type: Can be textile, garment, glass substrate, PET film, wafer etc
 - Application: Flat Panel Display, Solar Cells, Sensors etc

Please refer to supplier information page: <https://www.suss.com/en/products-solutions/inkjet-printing/lp50> for further details of the system.

For any inquiry, please contact Dr. Terence Wong (Tel: 3400 2075; Email: tai-lun.wong@polyu.edu.hk).



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