

Versatile solution for brave ideas with high performance to WIN your inkjet deposition challenges.
All wrapped in a small box

ADVANTAGES:



- 1-4 Industrial print heads
- Stone frame to reduce vibrations
- Heated vacuum platen
- Arbitrary printing resolution
- Modular design
- Open system to upgrade at any moment
- User-friendly inkjet solution
- Easy Lab-to-Fab transfer
- Competitive price



- Drop watcher pre-setting
- Software upgrade
- Fluid optimization service
- Fluid pre-printing evaluation service
- Training
- Technical support service

APPLICATIONS:

WHAT

- RFID
- OPV
- OLED
- HF Antenna
- Lens Semiconductors
- Ceramics
- Tissue engineering
- Silicone structures
- Collagen matrixes
- Waveguides
- Magnetic components
- Solar cells
- Fuel cells



Photovoltaics



Optical



Bio-printing

WHERE

- Nanomaterials
- Electronics
- Displays
- Security
- Photovoltaics
- Biomedical research
- Microchemistry
- Drug delivery
- 3D-printing
- Graphics
- Molecular robotics



Chemical



Displays



3D Relief



Graphics

IQDEMY = EQUIPMENT + FLUIDS + SOFT/HARD WARE

System description:

- Inkjet deposition flatbed printer, xyz stage
- Any model of piezo-based inkjet print head (Kyocera, Dimatix, Konica Minolta, Epson, Xerox, Ricoh, Seiko, etc.)
- 4 independent ink channels with automatic meniscus control in a PH
- Support syringe ink system
- Frameless customized body to fit any lab box
- Stone frame
- Linear engines driving system
- Variable jetting resolution and pattern creation
- Capable of jetting a wide range of fluids
- Heated vacuum platen (up to 200 °C)
- Software included

Mechanical System:

- Working area: 160*160 mm
- Material thickness: up to 25 mm
- Accuracy: ± 25 μm
- Repeatability: ± 1 μm
- Vacuum platen
- Dimensions: up to 500*500*500 mm
- External control unit
- Operating t° range: 15°-40°

Options:

- Design according to the client requirements
- UV LED curing unit
- IR curing unit
- Printing pre-treatment system
- Automated PH cleaning system

Printing fluids compatibility:

UV - Solvent - Oil - Aqueous