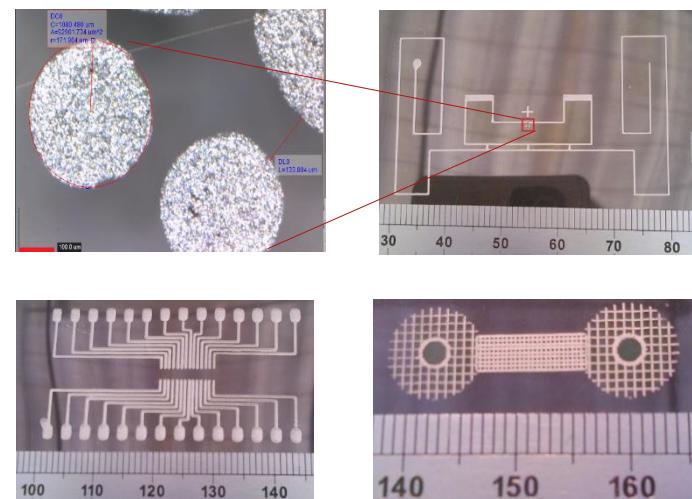




DMD100®

- Digital Materials Deposition specifically designed for high viscosity fluids.
- Dedicated to R&D and prototyping

The DMD100® system allows the deposition of fluidic materials on 200x200 mm planar substrates or up to 60 mm high 3D objects utilizing a disposable piston cartridge. Thanks to its table top configuration and innovative technology, it is cost effective and easy-to-use.



Best activities for the DMD100® include:

- Prototypes, samples production
- Lab scale production
- Fluid and material test and development
- Process and digital design development
- Material and substrate interaction evaluation
- Product development

Features : the DMD100® comes with a full range of nozzle sizes for deposition of tracks widths starting at 30µm and for viscosity from 5 000 cps down to 20 cps. KELENN Technology's piston process allows for deposition at ultra low shear rate of the fluids. The system comes with an exhaustive software to print 2D and 3D. Equipment : Height 585mm, Depth 760mm, Width 640mm, Weight 40Kg.

Accessories : temperature controlled flatbed up to 120°C, camera for inspection and positioning, UV curing, topography laser.

Example of deposition applications:

- Electronics: RFID, NFC, Batteries, stretchable electronics, structural electronics, wearable electronics, smart plastics, printed circuit boards
- Cell and biological fluids patterning
- Patterned coating for the industry



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