Advanced Materials Deposition Inkjet Systems with Integrated Pre and Post Processing for printing electronics

ceradrop
MGI Group

We are now seeing increasing specific interested in micro 3D inkjet systems and software products that are available for the next steps of inkjet deposition solution toward realization of printed electronics inkjet processing. Unlike, the decade past, inkjet printing electronics have moved beyond R&D labs published work with inkjet desktop system and more toward stand-alone pilot production batch process developments. Most inkjet printing electronic developments groups are working on delivering working articles in larger batch quantity for product testing and in some cases have demonstrated increasing process latitude with the abilities to increase yield and lower cost on specific inkjet printing electronics applications that may be good alternatives to existing complex and more expensive semiconductor fabrication. This paper will focus on Ceradrop MGI Group solutions for such requirements of digitally jetting precision functional process materials in small drops of 1pL volume up to 80pL drop volume by precisely using single glass inkjet nozzle type, or multiples 16 nozzles low cost disposable inkjet cartridges type print heads up to multiples 1,024 nozzles industrial piezo inkjet printheads types all within the same Ceradrop precision multi-printheads inkjet open platform.

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