

TOSHIBA TEC large drop-volume "180pL" inkjet head commercially available

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TOSHIBA TEC CORPORATION



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TOSHIBA TEC Inkjet Business Group is pleased to announce the commercial availability of its CF1XL large drop-volume inkjet head, designed for challenging applications.

This new, versatile and productive inkjet head extends the TOSHIBA TEC CF1 family of heads and provides the inkjet market with a wider choice of printheads to suit different application areas. The CF1XL has a native drop size of 36 pL, and jets drop volumes up to 180 pL. It complements the CF1L head, (64- 90 pL) and the CF1 head (6-42 pL), to meet growing market demands for a wider range of inkjet heads. The print speeds of CF1 family heads can be matched to the needs of specific applications, without compromising on print quality.

All CF1 family heads are based on an efficient through-channel fluid recirculation system, combined with side-shooter architecture, guaranteeing excellent jetting reliability and accuracy – air bubbles, drop deflection through sedimentation, and nozzle blockages are all eliminated. CF1 family heads can jet particle sizes up to a record 2.2 microns (d90), reducing the need for highly-refined pigment/particle processing. This capability also increases the range of pigments and other surface treatments that can be applied by inkjet e.g. 3D-embossing and texturing materials. TOSHIBA TEC has shown that viscosities up to 43 centipoise can be achieved to carry greater pigment loads, increasing print opacity, colour saturation and vibrancy.

Visit the TOSHIBA TEC booths at the following exhibitions to see the full range of CF1 family heads and get expert advice on their suitability for your applications:

- Labelexpo, Brussels: 29 Sept – 2 Oct 2015, Hall 9 Booth A53
(www.labelexpo-europe.com/)
- The Ink Jet Conference, Dusseldorf: 7 – 8 Oct 2015 (www.theijc.com/)
- InPrint, Munich: 10 – 12 Nov 2015, Booth B31 (www.inprintshow.com/english/)

About TOSHIBA TEC

TOSHIBA TEC's drop-on-demand piezo-electronic inkjet heads are designed for a wide range of industrial applications, including high-volume, single-pass printing. Their advanced design with continuous ink recirculation ensures high reliability and outstanding print quality. TOSHIBA TEC develops cutting-edge technologies, opening up new industrial applications, in close and confidential cooperation with customers.

More information on TOSHIBA TEC can be found at
www.toshibatec.com/en/products/industrial/inkjet/products/

About IACS

IACS provides essential services to industrial inkjet markets, including software and hardware development, CAD and mechatronic system design, prototyping and manufacturing. IACS also delivers components and tools, including ink recirculation systems, ink supplies and head positioning systems. The IACS Technology Centre near Ghent, Belgium offers a range of services to customers throughout Europe, including design and integration advice, product demonstrations, system and ink testing.

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