

New “CF3” 600 npi ink-recirculating inkjet printhead

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TOSHIBA TEC CORPORATION



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CF3 inkjet printhead

TOSHIBA TEC CORPORATION has started to deliver samples of its new 600 npi CF3 industrial inkjet printhead, which doubles the print resolution of existing models.

The CF3 inkjet printhead incorporates through-channel fluid recirculation with side shooter architecture. Ink is pumped constantly across all nozzle openings to eliminate air bubbles and particle sedimentation, even when nozzles aren't firing. This constant fluid recirculation increases printhead reliability and facilitates the use of higher viscosity inks, carrying larger and heavier pigment particles. Fluid recirculation supply systems maintain precise ink temperatures and viscosities, ensuring consistent print density across single and multiple heads.

CF3 has dual ink inlets, allowing 2 different colours to be printed simultaneously at 300 npi per colour. This feature introduces new, compact printing options for press manufacturers. In both dual and single ink modes, CF3 uses multi-droplet greyscale levels to achieve full, single-pass coverage at high speeds, while maintaining accurate dot placement and excellent print quality.

With its 600 npi resolution and through-channel fluid recirculation, the CF3 inkjet printhead is designed for a wide range of applications, including signs and graphics, roll-to-roll printing of business forms, labels and packages.

TOSHIBA TEC has developed the CF3 printhead to extend its market share of industrial inkjet printing, providing press manufacturers and inkjet system integrators with an exciting improvement over existing technologies from other printhead producers.

See the new CF3 inkjet printhead and speak with our technical experts at either The Inkjet Conference in Dusseldorf (5th-6th Oct) or InPrint in Milan (15th-17th Nov Booth D49).

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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