

InkDock™ supply system for reflow inkjet print heads

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IACS



InkDock™ from IACS is a highly compact and versatile ink supply system for industrial inkjet print heads that have reflow or fluid recirculation architecture. Recent inkjet heads use recirculation to eliminate the build-up of air bubbles and pigment sediment around nozzle openings, vastly improving their reliability and minimising production down-time. Reliable jetting is particularly important in single-pass printing.

InkDock™ intelligently maintains user-defined meniscus pressure, flow rate and fluid temperature, with absolute precision. Settings are easily adjusted via its web-enabled interface (LAN or secured WAN). InkDock™ can drive a reflow print head in various orientations, including horizontal, vertical and skyscraper modes. The print head can be integrated next to, or at a distance from InkDock™. Optimised jetting performance with a wide variety of inks and head positions is ensured in all cases by its extensive range of operating temperatures and pressures. Oil, water, solvent and UV-based inks with viscosities ranging between 5 and 40 mPaS are supported by InkDock™, which can also handle abrasive inks.

InkDock™ is robustly constructed with industry-proven components. IACS supplies InkDock™ in two forms – a print-ready, customer-defined version as in the above photo, complete with print head, drive electronics and fluid reservoir (blue zones in photo), or solely the recirculating ink supply system (grey zone in photo) for easy integration with customers' own peripheral equipment. In the latter form, InkDock™ measures only L250 x H200 x W100mm.

See InkDock™ and speak with our technical experts at either The Inkjet Conference, Dusseldorf, (24th-25th Oct) or InPrint, Munich (14th-16th Nov – Hall A6 Stand 332). Free InPrint entry tickets are available from us – just send a brief email to jasmine.geerinckx@iacs.be.

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, including design and integration advice, product demonstrations, system and ink testing.

TOSHIBA TEC relies on the IACS Inkjet Technology Centre to assist their European customers, advising on the choice of TOSHIBA TEC print heads for specific applications, demonstrating their reliability and high print quality, and providing both on-site and remote support throughout Europe.

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