POWERED BY JetINX™

JetINX Printhead Drive & Ink Delivery Systems

Allows integrators to quickly develop complete printing systems utilizing a variety of inkjet printheads

Simplified System Integration • Production Proven • Engineered Inkjet Solutions

Engineered Inkjet Solutions

The JetINX Printhead Drive & Ink Delivery Systems are precisely engineered for reliable, production-proven inkjet printing. The systems offer a complete solution for industrial inkjet printing, providing machine builders and integrators a complete set of components and software to quickly bring their production printer to life.

Features

JetINX provides enhanced printing capabilities, from precise ink control to versatile connectivity options.

- Support for helical, multi-pass and single pass printing
- Variable data printing down to the individual pixel
- Support for large viscosity ranges and ink technologies
- Precise control of ink temperature, pressure, and flow rates
- High-capacity ink and heating systems for wide printhead arrays
- Connectivity and power modules available for all ink systems, printhead drive systems, and PLC and encoder interfacing
- Ink control, job queuing, color management, and printing software is available

Benefits

JetINX solutions cover all aspects of inkjet printing. We support single, multi-pass, and helical printing, along with all industry-leading printheads and ink technologies.

- Provides a cost effective and powerful option to integrators deploying industrial inkjet printing systems
- Can be fine-tuned for use with a wide range of inks, including those with high solids such as white
- Optional components to allow quick integration with any printing platform, with minimal engineering
- Expert level engineering, services, and ink technologies to bring your printer to market quickly and on time
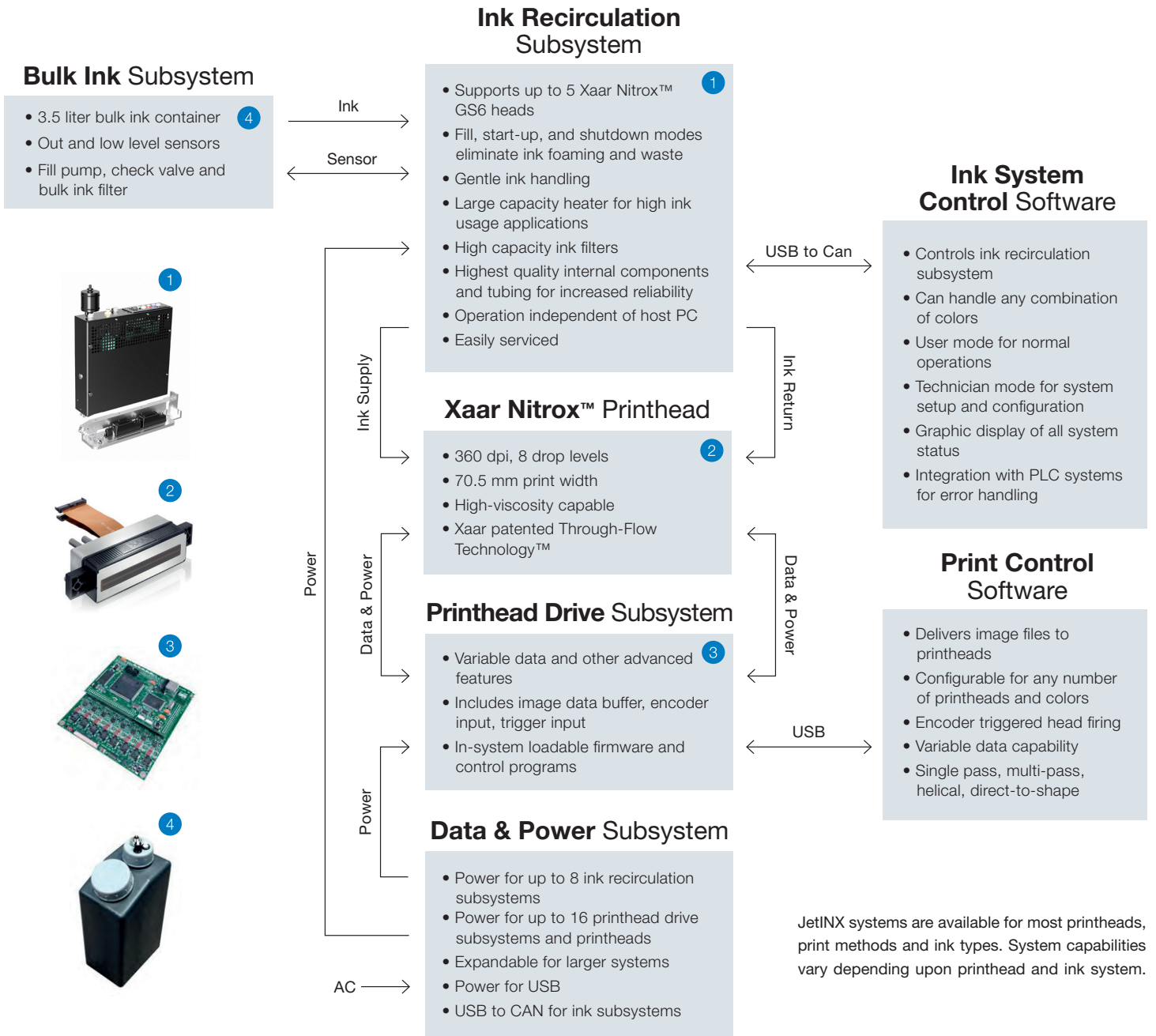
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To talk with a product specialist, email info@inxintl.com

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Diagram of a JetINX System

Xaar Nitrox™ Printhead and Ink Recirculation System

Ink Systems • End Shooter • Recirculation

Printheads • Epson • Ricoh • Fuji Dimatix • Toshiba Tec • Seiko • Xaar

Printing Software • Single Pass • Multi-Pass • Cylindrical • Direct-to-Shape

Ink Recirculation Subsystem

- Supports up to 5 Xaar Nitrox™ GS6 heads ①
- Fill, start-up, and shutdown modes eliminate ink foaming and waste
- Gentle ink handling
- Large capacity heater for high ink usage applications
- High capacity ink filters
- Highest quality internal components and tubing for increased reliability
- Operation independent of host PC
- Easily serviced

Bulk Ink Subsystem

- 3.5 liter bulk ink container ④
- Out and low level sensors
- Fill pump, check valve and bulk ink filter

Ink →

← Sensor

Xaar Nitrox™ Printhead

- 360 dpi, 8 drop levels ②
- 70.5 mm print width
- High-viscosity capable
- Xaar patented Through-Flow Technology™

Printhead Drive Subsystem

- Variable data and other advanced features ③
- Includes image data buffer, encoder input, trigger input
- In-system loadable firmware and control programs

Data & Power Subsystem

- Power for up to 8 ink recirculation subsystems
- Power for up to 16 printhead drive subsystems and printheads
- Expandable for larger systems
- Power for USB
- USB to CAN for ink subsystems

Ink Supply

Power

Data & Power

Power

AC →

USB to Can

Ink Return

Data & Power

USB

Ink System Control Software

- Controls ink recirculation subsystem
- Can handle any combination of colors
- User mode for normal operations
- Technician mode for system setup and configuration
- Graphic display of all system status
- Integration with PLC systems for error handling

Print Control Software

- Delivers image files to printheads
- Configurable for any number of printheads and colors
- Encoder triggered head firing
- Variable data capability
- Single pass, multi-pass, helical, direct-to-shape

JetINX systems are available for most printheads, print methods and ink types. System capabilities vary depending upon printhead and ink system.

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