



THE RSI HYDRA™ X INDUSTRIAL INKJET PRINTER

The RSI Hydra™ X is designed for industrial printing. It combines powerful functionality including ALL standard barcode symbologies with a simple to use interface. Each controller box links up to 8" printheads and is fully scalable. Designed to print 100% readable fine-pitch barcodes in primary packaging, and Variable Data Imprints in most commercial forms.

Powerful Functionality

- Includes ALL standard 1D and 2D symbologies, user inserts, bitmaps, counters, date/time stamps, and shift codes.
- High speed printing up to 200 meters per minute.
- 3 levels of menu driven security with production logging.
- Customizable workflow manager.
- Ultra reliable with solid state electronics.
- Draft mode feature reduces ink consumption without sacrificing scannability.

Superior Print Quality

- Patent pending VariableDPI™ printing optimizes barcode scannability.
- Vertical nozzle flipping improves print quality and increases the life of the cartridge.
- High resolution print cartridges (up to 600 dpi).

Simple & Easy to Use

- WYSIWYG interface includes a 10" touch screen.
- Intuitive graphical user interface makes setup simple and easy.
- Clean self contained HP inkjet cartridges snap in and out quickly for reliable no hassle printing.

Easy to Integrate & Install

- Variable DPI™ printing works with existing encoder inputs without having to modify or add mechanical gearing.
- RS-232, USB, TCP/IP, and Ethernet IP plug-ins for remote command and control.
- HMI can be up to 75 meters away from the print heads.

"If we didn't plan to use our old machine for several days, we had to flush the system to avoid the ink drying inside the tubes and solenoids. With the Hydra, just give the print head a quick wipe and it's ready to go -- downtime isn't an issue and it only takes a couple of minutes to show someone how to use the printer"



Jay Neuhoff, VP Operations
Signature Seasonings, New Bern, NC

Take a moment to talk with an RSI Applications Engineer and find out how the RSI Hydra™ X Printer can change the way you print, lower your TCO, and achieve 100% readable codes.



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Specifications

Line speed/resolution

- Maximum Line Speed 200 m/min (660 ft/min)
- Maximum Resolution 600x600 dpi

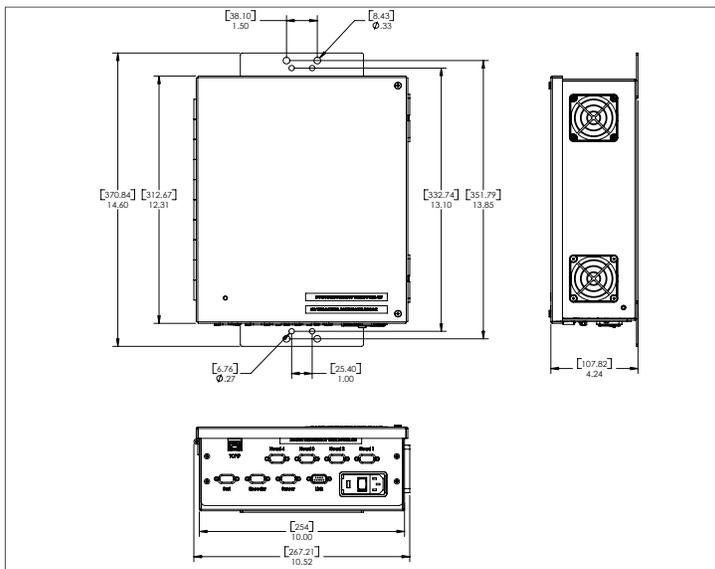
Print Capability

- Static text, User Inserts, Date/Time Stamps, Shift Codes, Counters, Bitmaps, Conditional Bitmaps, and Variable Data
- Windows True Type fonts
- Barcodes 1D: Codabar, Code 128, Code39, Code 93, EAN8, EAN13, EAN128, Interleaved2of5, Pharmacode, Plessey, UPC A, UPC E
- Barcodes 2D: Aztec, Data Matrix, Maxi Code, Micro QR Code, PDF417, QR Code, QR Code 2005

Additional barcodes available upon request.

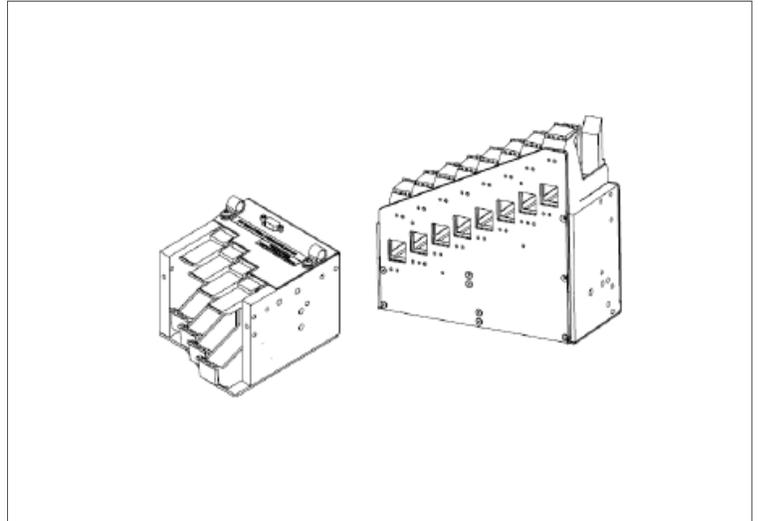
Hydra X Controller w/o HMI

- Industrial compact steel enclosure
- Link from 2" to 8" printhead control card
- Sensor Pin Out: P3-Hi (PnP), P6-GND, P7-Low (NPN), P8-12VDC. Do not connect other pins.
- Encoder Pin Out: P1- +5VDC, P2-GND, P3-Low (NPN). Do not connect other pins.
- Encoder and sensor link cable for daisy chaining controllers
- 110-240 VAC, 50/60 Hz, 1.3A



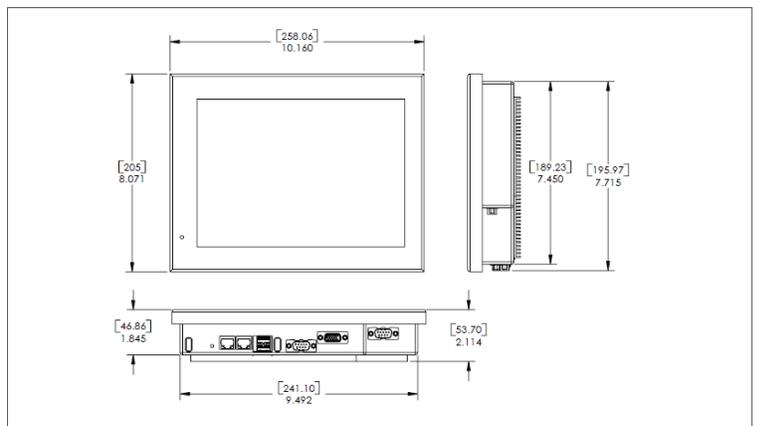
Print heads and Mounting Configurations

We have several print head sizes of 2", 4", 6", 8" - 16" and mounting options. Please contact us for further assistance in selecting the appropriate components.



Human Machine Interface (HMI) -- Hydra 10" Touch HMI

- 10" touchscreen interface with global language support
- WYSIWYG template and print preview
- 3 levels of security access
- Workflow manager allows administrator to customize print process
- Solid state electronics with no moving parts
- 100-240 VAC, 50/60 Hz, 1.5A



WE WANT TO HEAR FROM YOU.

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