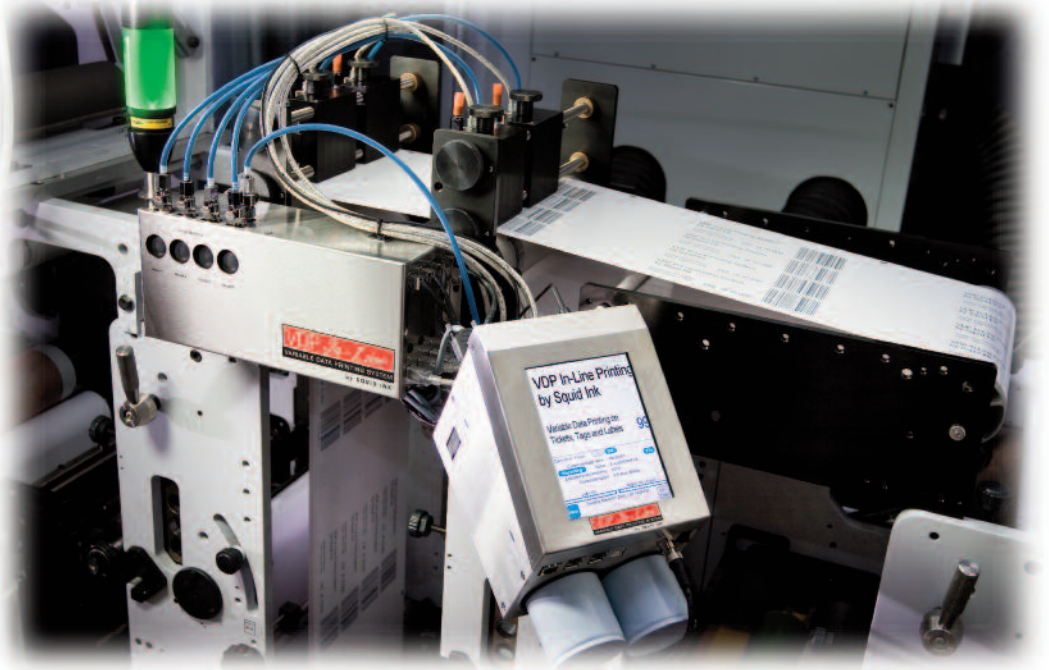




VDP **IN-LINE** PRINTING SYSTEM FOR NARROW WEB FLEXO PRESSES

**Variable Data
Printing on
Tickets, Tags
and Labels**



Add To Your Existing Press, And Go. . .

Squid Ink's VDP In-Line™ printing system is ideal for printing variable information in-line on your existing narrow web flexo press. VDP In-Line makes it easy to cost-effectively print variable data on tickets, tags and labels. The VDP In-Line conveniently mounts on your new or existing web press or rewind station to print variable information inline without having to take the job offline for a second pass.

Get In The Game With Variable Data Printing

VDP In-Line allows you to print static information on your press and then print any variable data like sequential numbers, sequential bar codes, traceability codes, or game codes on tickets, tags and labels. Users have the ability to print on porous surfaces such as uncoated paper, or on non-porous surfaces such as films, foils, or coated stocks with Squid Ink's proven library of compatible inks.

Ditch The Stitch

Each VDP In-Line printhead utilizes industry proven piezo technology to print up to 2.1" of razor-sharp text, bar codes, logos or small characters. Each printhead uses a single 2.1" print engine, so no stitching is required. This improves print quality and eliminates the maintenance nightmare of keeping individual printheads aligned properly. Up to four printheads can be added per controller, offering a total of up to 8.4" of print per system.

Quick And Easy Mounting

The VDP mounts above the press using our Platform Unit which easily locks into the pre-existing hole patterns between each printing station on your press. This allows users to maximize all the printing stations on the press. The system can be moved easily from ink station to ink station or from press to press depending on compatibility.

Easy As 1-2-3

The VDP In-Line is designed with easy-to-use features. ImageMaster™ Gold PC software uses familiar graphic design controls to set up message formats and print. The touchscreen controller features ATM-simple, easy to follow user prompts to save and store message formats. In addition, built-in software automatically calculates ink usage for each message so you can modify your messages, estimate potential jobs, and control your consumable costs. Working with a photocell or gap sensor and encoder, the system automatically calculates your web speed and positions the message consistently on each label.

Affordable Variable Data Printing

If you have investigated variable data printing for your narrow web operation, but felt your budget restricted you from doing so, the VDP In-Line offers a new level of economy. Initial equipment costs are competitively priced to offer a quick return on investment. Any way you look at it, Squid Ink's VDP In-Line provides users with an affordable solution to meet their variable data printing needs.

The Right Solution

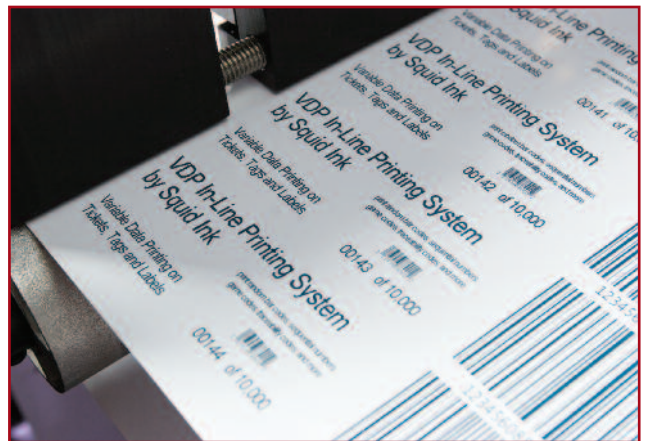
- Quality print
- Modular design
- Quick installation and startup
- Low maintenance operation
- Reduced consumable costs
- Lower cost of ownership
- Short payback period

When it comes to inline printing, rely on Squid Ink to provide the right solution for your variable data printing needs.

VDP IN-LINE PRINTING SYSTEM

VDP In-Line™ Printing System Components

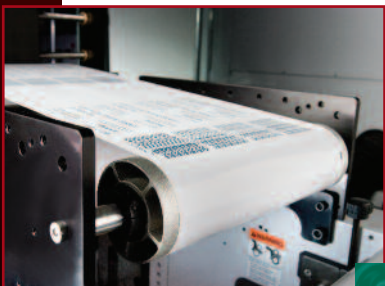
- Stainless steel controller with touchscreen user interface
- Up to four 2.1" printhead(s) with data cable(s) and ink line(s)
- Spare 2.1" print engine
- Ink delivery system with manifold
- Ink level indicator beacon
- Photocell and photocell mounting bracket
- Encoder and encoder mounting bracket
- Platform Unit mounting bracketry with rollers
- ImageMaster™ Gold PC software
- Installation and training



Color touchscreen display offers ATM-simple software for message creation and recall.



Printhead mounting brackets allow accurate print placement at the turn of a knob.



Web Extension Kit extends web to allow for increased dry times.

VDP In-Line Printing System Specifications

Print Technology - Piezo impulse printhead technology

Printheads - Up to four high resolution, Xaar® 380 channel piezo printheads

Maximum Print Height - 2.1" (53.7 mm) per 380 printhead, no stitching required

Vertical Print Resolution - 180 dpi capable of printing razor-sharp graphics, small character text, and scannable bar codes

Horizontal Print Resolution - 180 dpi

Print Speed - Up to 160 feet/minute @ 180 dpi depending on ink coverage and substrate material

Time & Date - Internal real time clock with battery back-up

Product Sensor - Reflective sensor standard with automatic speed sensing; dual photocell inputs standard

Communication Interface - Four USB host, USB peripheral, Ethernet, and RS-232 inputs standard

Cabinet Construction - Stainless steel

Touchscreen - Solvent-resistant, 6.4" color display

Mounting Bracketry - Platform Unit – locks in above your press and includes rollers so users can maximize all stations on the press; can be easily moved from ink station to ink station or from press to press depending on compatibility

Electrical Requirements - 90 – 264 VAC, 50/60 Hz

Operating Environment - 34°F - 104°F (1° - 40°C)

Storage Environment - 0°F - 140°F (-18° - 60°C)

Substrate Capabilities - Porous or non-porous surfaces

VDP In-Line Software Specifications

Time & Date - Multiple formats including: 3-letter, 2-digit, 1-letter month; 3-letter or 2-digit day; 2-digit hour; 2-digit minute; 2-digit second; 4-digit or 2-digit year; 2-digit week; 24-hour clock or 12-hour clock with AM or PM; Julian date

Item Numbering - Three independent counters, selectable count direction, number of digits, count by, rollover, reset value, batch counter, all counters maintained in non-volatile memory

Shift Codes - Four programmable shift codes with automatic rollover

Bar Codes - Code 39, Interleaved 2 of 5, UPC-A, EAN-8, EAN-13, Code 128, UCC-128, SCC 14, SSCC-18, Postnet, MSI, DataMatrix and PDF417 bar codes standard

Fonts - On the fly generation of TrueType® fonts

Graphics - Any Windows bitmap in 1-bit (black/white) format

Printing Features - Reverse, invert, inverse, rotate, repeat, variable print density

Number of Messages - 2GB flash memory for internal message storage; actual message size will vary based on content

Message Length - 120"

Automatic Maintenance Cycle - Automatically cycles print engine to prevent printhead from drying out when not printing

Ink Usage - Automatically calculated for each message and displayed on touchscreen or PC software

User Prompts - Prompts for user input at start of print job by manual intervention on touchscreen display or scanner

Software Utilities - USB file management software standard

VDP In-Line Accessories

Starter Kit - Includes ink, cleaner and flush solution, flush kit, printhead wipes, hand cleaner and latex gloves

Web Extension Kit - Extends web to allow for increased dry times when needed; mounts above ink station and can be easily moved or removed as needed

Bar Code Laser Scanner - Enables scan and print operation; eliminates human errors when user scans bar code to select message for printing

Gap Sensor - Enables gap sensing when system is mounted on a rewind and matrix is removed



Marking the future of on-demand printing®

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