JETSCI® VSRI

Variable Data Inkjet Printing, Slitter Rewinder and Inspection System

VSRI: Introduction

- An unique solution Variable Data Printing capabilities using JETSCI® Inkjet Printing System with an option of 100% Camera Inspection for VDP and verification of printed variable data, providing robust verification against counterfeiting attempts
- Allows customers to personalize every label or document with unique elements such as barcodes, 2D/QR codes, text, alpha numeric, images, etc.
- With the ability to print and verify unique elements on each label/document, gives an edge to the converter, enhance security, making it difficult for counterfeiters to replicate or tamper with the product or document.
- The solution is characterized by high performance, reliability, and precision

Features :

- Slitter Rewinder (fully servo driven)
- Speed up to 150 m/min
- Up to 450 mm web width
- Loose and tight web tension control
- Up to 600 X 600 dpi
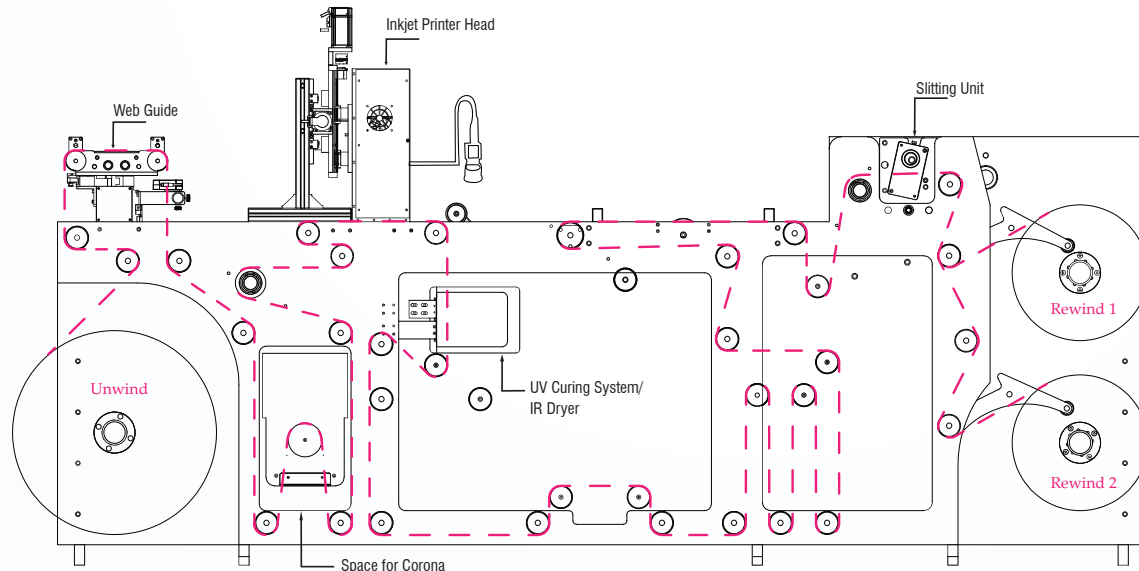- Space for UV curing system / IR Dryer

Specifications :

- Web width in configurations of 250/330/410/430 mm
- Dual rewind with Maximum Roll Dia 1- 450 mm | Maximum Roll Dia 2- 700 mm
- Speed up to 150 m/min.
- Adjustable Pneumatic or Power brake to control unwind tension
- Electronic Web Guide
- Variable motor speed control with dynamic braking
- Pneumatic Shaft with 76 mm Core Dia as standard
- 2 X Adjustable splice table
- Inspection & correction table for easy print inspection at higher speed
- 2 X Servo driven Nip rollers Assy for perfect tension in loose wound webs (optional)
- Supply Voltage 440V, 3 Phase, 50 Hz. AC

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Optional Accessories :

- Rotary Scissor & Razor Blade Slitting
- Multiple lane Missing Label Detection
- Dual Rewind
- Space for Inspection Camera System

Inkjet Printer Head

Web Guide

Slitting Unit

Rewind 1

Scan to know more

Unwind

UV Curing System/
IR Dryer

Rewind 2

Space for Corona

*Schematic for Illustrative Purpose only

Dimensions: 3200x1260x1205 mm | **Weight:** 1600 Kg

Specifications of Inkjet VDP Print Module and Camera System

Model	JETSCI® Y Series	JETSCI® M Series
Inkjet Type	Piezo Drop On Demand Inkjet Print head Technology	
Print width	Multiples of 108 mm	Multiples of 72 mm
Web width	Up to 450 mm	
Print Resolution	600 DPI Native	360 DPI Native
Drop Sizes	For UV: 3,7,11,14 pL (4 Level Grey Scale) For AQ: 5, 7, 12, 18*	13pL (8 Level Grey Scale)
Speed	Up to 150 m/min	Up to 180 m/min
Positioning	X - Z axis movement of print heads fully controlled through Servo motors and touch Screen HMI.	
Ink Type	Aqueous (Water Based) / UV Curable - Arc / LED	
Color(s)	Black/Spot Color/Varnish/White	
Substrates	Paper, Glossy, Coated, PET, BOPP, LDPE, Metallic, Tyvek etc.	
System Configuration	Industrial PC with 64- Bit Windows 32 GB RAM, 250 GB SSD	
Data Type	Csv, txt, xls, tiff , jpeg, Pdf* and other data base files (*at additional cost)	
Optimum Temp & Humidity Range	20-26˚C, Humidity 40-60%, Non Condensing	
Camera Type	Multiple Lane Line Scan or Area Scan Camera (Optional)	
Inspection	Barcodes/ QR/2D Codes/ OCR inspection & verification and more	
Report	Complete report on the verified / rejected labels and comparison with original data base	
Electrical Requirements	220-240 V, 50 Hz, 10 A (Inkjet & Camera System)	

Above specifications are standard and does not apply to all systems. Please discuss the country specific applicants and electrical requirements with our sale representatives and consult our technical team before making any site preparation.

MONOTECH
SYSTEMS LIMITED