



colornovo

Digital Label Production Press



-Bridging the Gap



Bridging the Gap

The label printing market is going through a transition period where run lengths are becoming shorter and shorter, media costs are increasing, margins are shrinking and fast turnaround time to market is creating huge pressure on label printers. Here ColorNovo bridges the gap between end users, brand owners and the label printers enabling them to print on demand.

It utilizes the PiezoDOD inkjet print head technology that enables it to print high quality labels at 600 X 600 dpi native resolution at speeds of up to 70 m/min and up to 330 mm of print widths, delivering the expectations of a label printer in terms of lowest total cost of ownership and fastest return on investments.

Digital is the future, so is the Digital press, it comes with the power of printing short to medium runs very effectively and economically, additionally featuring great value of personalization, variable data and security printing in real time production at one go.

Good time to add "DIGITAL"

When is the good time to add digital in the label printing workflow?

- What percentage of label production is under 3000 linear meters run length?
- What additional work, could you attract if you had a digital press?
- How effectively you can utilize combined workflow of digital and analogue technology?



Advantages of UV Inkjet Press

- Initial proofing and instant response
- No reprographics and plate cost
- Reduced SKU for brand owners & inventory for label printers
- Quick versioning of repeat jobs & minimum wastage in job changeover
- Easy upgradation on field & Costly Operations Savings
- No Click Charges - Pay as per usage
- UV ink - highly durable, chemical and moisture resistant
- Prints on standard Flexo materials, many without the need to pre-coat/treatment
- Variable data printing

ColorNovo - Exceeding Expectations

Increased Productivity



Higher Flexibility



Exceptional Quality



Fast Turn Around time



Profitability



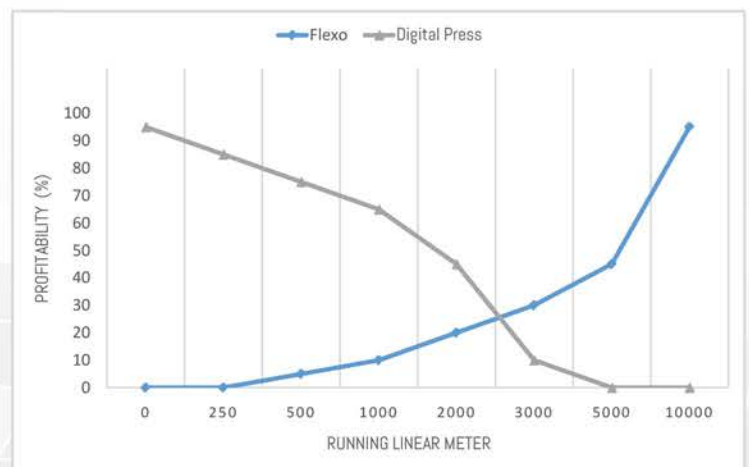
Great Value Addition (VDP)



Profitability

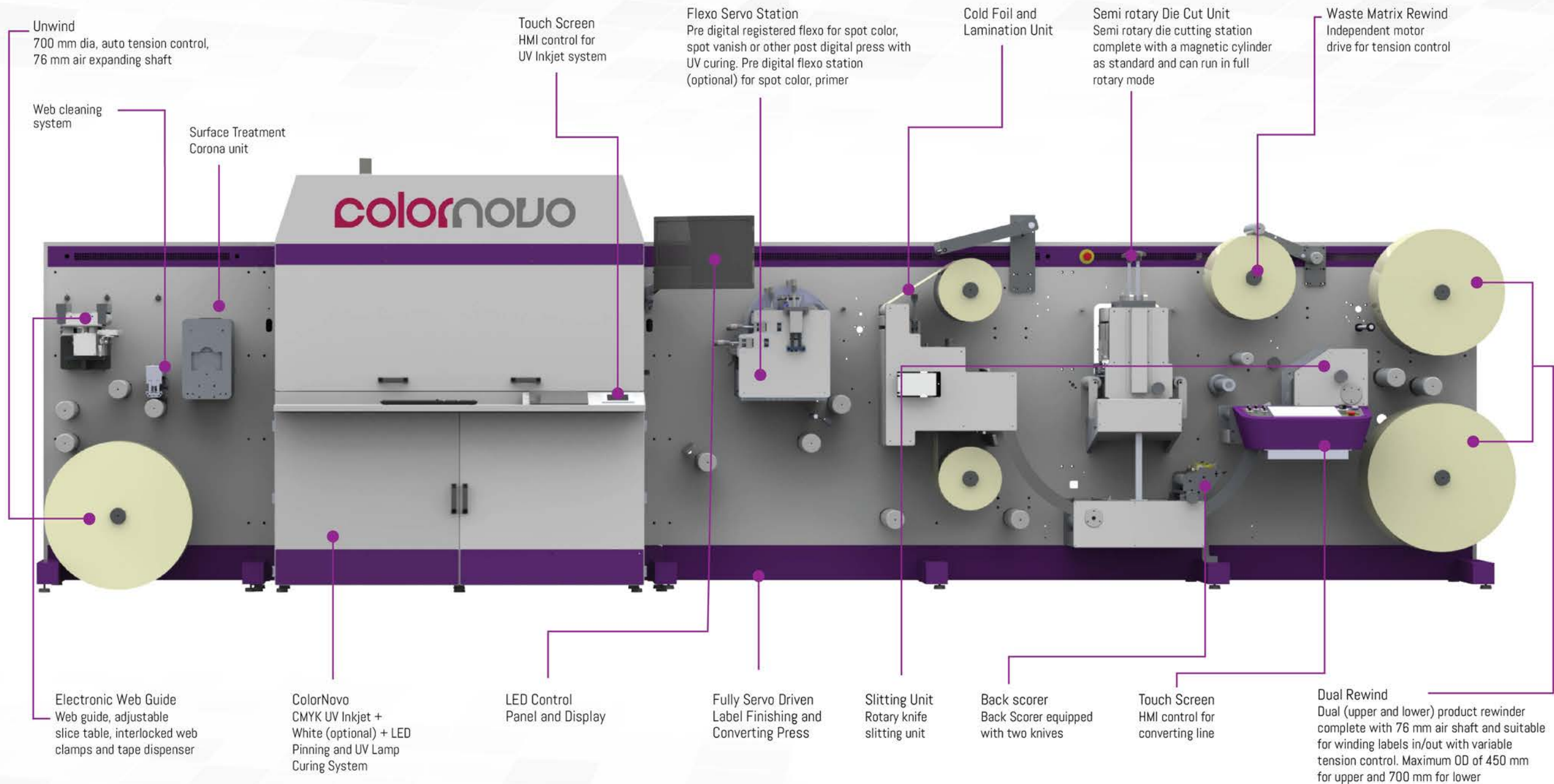
Digital UV inkjet printing is far more economical up to run lengths of 3000 linear meters which is considerable amount of print jobs nowadays. Adding a digital label printing press requires reasonable capital expenditure, so it is most important for label printers to select the right technology at the right time to be profitable and competitive in business for their short run and digital label printing requirements.

The time to change from printing one job to another is instantaneous with limited media waste, making Digital a preferable solution for maximum profitability and acceptability.



Profitability derived in above graph are comparison of different process cost of labour, consumables, media, productivity and time to complete the job

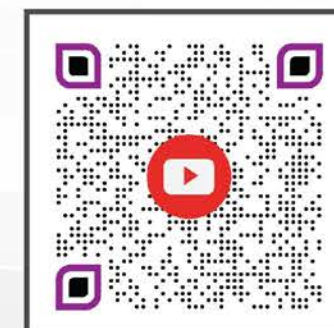
ColorNovo Digital Label Production Press



Modular Configurations

- Standalone printing – SAP
Unwind, Electronic Web Guide, Web Cleaning System, Corona Unit, CMYK+W UV Inkjet +LED pinning and UV Lamp Curing System
- Standalone printing and finishing -SAPF
SAP + Flexo Servo Station, Cold Foil and lamination unit
- Standalone printing finishing and converting -SAPFC
SAPF + Semi Rotary Die Cut unit, Slitting Station and Dual rewind

** Fully Servo Driven Web Control System from M/S Grafisk Maskinfabrik, Denmark
** All models are modular upgradable in terms of print width and finishing converting options.





Software Workflow and High-quality Printing

ColorNovo production controller based on Adobe PDF Engine (APPE) is equipped with most flexible advanced software RIP workflow which ensures excellent color management with optimum color rendering and consistent color reproduction all times. User interface can easily be adapted in the production environment with step by step creation, color management, spot color matching, ripping and printing of customers files.

Ink saver module is inbuilt which can reduce the total ink consumption up to 25% without visible loss of quality which in turn reduces the total printing costs. Customer can calculate the total job cost accurately even before printing with the in-built cost calculation module.

Variable data files can be printed with just a click and multiple files can be fed in the system for nonstop job change over and continuous printing for longer periods thus cutting down media, production, labour and many other costs associated with it.

Spot Color and Matching

Production controller provides flexibility to adjust spot colors to the closest match and also matching the colors to references or existing samples through inbuilt color matching tool in the software workflow. Pantone table is included as standard in the system.





Variable Data Printing & Security

ColorNovo UV Inkjet adds great value to the product labels and it becomes more important where the product requires tracking through the supply chain till consumption like in Pharma, Food, Liquor, Cigarettes etc., Labels and Packaging. Customers can print variable sharp text, bar codes, serials, images in full color for enhanced capability and can be adapted to the changes in requirements of jobs instantaneously which provides certain level of anti-counterfeiting authentication solution.

Whether the requirement is of last stage customisation, print full color security images / patterns or any other variable data with change, ColorNovo has the great potential to deliver the highly productive, stable and reliable production requirement.



Inks & GAMUT

Wider Color Gamut

Excellent Performance

Reduced Ink Deposition

LED & UV Lamp Curable

High Print Quality Crisp and Sharp Text

Wide Range of Substrates

Excellent Ink Flow and Adhesion



ColorNovo, with the combination of 4 step droplet size grey scale printheads and specially designed ink chemistry provides smooth and natural gradations from highlights to shadows and high quality sharp texts and photo quality images with fine details.



White Inks

Additionally to CMYK UV Inkjet Inks, high opacity colorNovo white ink gives real life to printing on clear transparent and metalized substrates. White inks are available for under white, over white or screen like printing.



Transform your business in Labels and Packaging

- Print what you need
- Print when you need
- Print how much you need

“Be more productive & profitable”



Not Just for Short Runs



Digital printing is efficient and cost effective, not only for short run jobs but has many other value additions, featuring variable data, text, images and other security features that can be incorporated in end product label.



Put a STOP to the Water DROP

PACKAGED DRINKING WATER

Best before 6 month from the date of manufacturing For Mfd. date, Batch No. and MRP see bottle.

Hidden Key: **SOR893**

Label Printed on:
colornovo
www.jetseiglobal.com

Track & Trace

14000

CRUSH THE BOTTLE AFTER USE

TECHNICAL SPECIFICATION

Web Width	330 mm
Speed	50 m/min to 70 m/min
Substrate	20-200 um (label paper supported, other materials - perform test)
Color	CMYK + White (optional)

DIGITAL PRINT ENGINE

Print Width available	110, 220, and 330
Printing Method	UV – Piezo DoD - Inkjet
Resolution	600 x 600 dpi native, @ 4 level grey scale, 600x1200 dpi
File Format	PDF, PDF/VT, TIFF, JPEG, BMP & other database files
Workflow	Advanced color management & RIP solution
Ink Curing	Inter color UV LED pinning (optional), Full curing by UV LED / Arc Lamp

CONVENTIONAL LINE (Fully Servo Driven)

Unwinder Diameter	700 mm, core 76 mm
Rewinder Diameter	Dual rewind Rewind 1 diameter (upper): 450 mm Rewind 2 diameter (lower): up to 700mm
Other Accessories	Flexo stations, cold foil, lamination, die cut with matrix rewind & back scoring, slitting assembly, web cleaner with antistatic, corona treater and web guide
Flexo 1 (optional, prior to print module)	Pre digital Flexo for high coverage color, spot color, primer with UV curing (registered or non-registered)
Flexo 2 (post print module)	Post Digital registered Flexo for spot color, spot varnish or other post digital press with UV curing
Die Cutting	Semi/Full rotary (2"-25"), optional 27"

ENVIRONMENTAL DATA

Optimal Temperature Range	20-22 °C (68-72 degree F)
Maximum Temperature Range	20-22 °C (68-72 degree F)
Ink Storage	20-22 °C (68-77 degree F)
Optimum Humidity Range	40-60%
Dust Controlled Environment Preferred	

About Monotech Systems Limited

For two decades we have been a leading manufacturer and supplier of high end, high performance, reliable products and solutions for printing and packaging industry. We are widely known for the expertise in developing, designing, and introducing incomparable range of printing machinery and allied products to the industry. MSL has been a pioneer in providing cutting edge turnkey solutions to the printing industry globally.

About JETSCI

- Introduced in December'2012
- Skilled & experienced R&D team
- Excellent customer satisfaction rate
- Bespoke solutions for customer application requirement
- India's 1st successful Integrator of Hi-Speed industrial inkjet systems
- 150+ Successful Installations
- Specialized & security application development
- Delivered various Turn Key projects & solutions

"OUR ASSURANCE"

- ✓ Latest innovative and state of the art technology solutions to label printing industry
- ✓ Reasonable and highly competitive product pricing
- ✓ Fastest returns on investments and lowest total cost of ownership
- ✓ Customized solutions as per requirements
- ✓ Best in class service and support





CERTIFICATE *TUV NORD*
 Management system as per
ISO 9001 : 2008



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