COLORJET DELIVERS IMPECCABLE PRINT RESULTS & FLAWLESS SERVICE ACROSS THE WORLD



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COLORJET

INKJET DIGITAL LABEL PRESS

PRO PRIME

The Utility Monster Designed to Ramp up your Label Production Game



Redifining Label Printing with
PRO PRIME DIGITAL PRESS

Pro Prime is a high-utility industrial-grade HD inkjet label press engineered to redefine output efficiency in digital label manufacturing. Designed as a heavy-duty, high-volume production platform, the Pro Prime bridges the gap between digital flexibility and flexoscale productivity. Operating at printing speeds up to 60 meters per minute, the press enables label converters to handle demanding run lengths, tight deadlines, and rapid turn around commercial jobs without compromising print quality.

Beyond its raw utility, the system optimizes factory throughput by streamlining job changeovers, maintaining zero-speed-drop data transfer, and automating web tension management across diverse flexible substrates. By removing the traditional setup bottlenecks associated with mechanical plates and slow ink drying, Pro Prime maximizes daily machine uptime, lowers cost-per-label metrics, and dramatically reduces substrate spoilage during job setup.

Key Technical & Commercial
FEATURES



Heavy-Duty Digital Inkjet
Powered by high-precision industrial piezoelectric printheads and high-volume UV ink delivery, executing continuous printing at speeds up to **60 m/min.**



High-Speed Fiber-Optic Workflow
Integrates a high-speed fiber-optical Ethernet data interface with advanced DFE software (supporting HYBRID Smart DFE and standard digital front ends) for instant variable data processing (VDP) and zerolatency job switching.



Full Closed-Loop Web Control
Features an AC servo drive system with integrated tension detection, paper break sensors, and automatic roll diameter monitoring for continuous substrate stability across high-speed runs.



Minimized Downtime & Reduced Waste
Eliminates plate preparation, ink mixing, and mechanical setup delays, allowing label converters to switch between short, medium, and long runs with minimal material waste and zero plate costs.



Versatile Substrate Capability
Handles a wide range of media thicknesses (0.04 mm – 0.55 mm)—including coated paper, synthetic films (PE/PET/PVC), and selfadhesive label stock—with precision roll handling up to 800 mm roll diameters

The Utility Monster
PRO PRIME



600x1200 DPI @60 m/min

Delivering ultra-sharp 1200 x 600dpi resolution with fine 3pl ink droplets at industrial speeds up to 60m/min for maximum throughput without compromising quality.

5 to 8 Color Options

Flexible modular component setup supporting 5 / 8
color configurations and multiple prin-thead choices to
expand your application capabilities.





13** inch Print Width

Supports a wide print range from 110mm up to 350mm, broadening your application scope for diverse label packaging demands.

**** Can be customized to 450 mm / 17.5 inch or beyond based on the requirement.**

Technical

SPECIFICATIONS

MODEL	PRO PRIME S	PRO PRIME Y
MAX SPEED	60 m/min	60 m/min
MAX PRINT RESOLUTION	600 x 1200 / 600 x 600 DPI	600 x 1200 DPI / 600 x 600 DPI
COLORS	CMYK W (Standard) , Pantone Colors (Optional) Upto 3 extra colors	CMYK W (Standard) , Pantone Colors (Optional) Upto 3 extra colors
PRINT WIDTH	Upto 350mm/13 inch (standard) Upto 450 mm/17.5 inch(on demand) Upto 220mm/8.5 inch (on demand)	Upto 325 mm/ 12.7 inch(standard) Upto 433 mm/ 17 inch (on demand) Upto 220 mm/8.5 Inch (on demand)
MAX ROLL DIAMETER	Core Diameter : 76 mm 800 mm	
MEDIA THICKNESS	40 to 350 micron	
MEDIA TYPE	Coated Paper, Synthetic paper, film, PE, PET, PVC. Contact sales team to verify your substrate compatibility	
MACHINE DIMENSIONS	4860 x 2000 x 2100 mm / 16 ft x 6.56 ft x 6.88 ft Weight : 4.8 Tonne	4200 x 1660 x 1920 mm / 13.7 ft x 5.44 ft x 6.29 ft Weight : 3 Tonne
AMBIENCE	20-25 C, 30-70% 0 RH (Non-condensing)	
POWER REQUIREMENTS	380 V, 3 Phase, 50-60 Hz, 55KW (For complete power consumption details contact the sales team)	
CONFIGURATION (These can be added to PRO PRIME on- demand at an additional price)	Flexo Primer Unit (Optional)	
	Laminating Unit (Optional)	
	Cold Foil stamping unit (Optional)	
	Print Inspection Camera (Optional)	
	Digital Embellishment Unit (Optional)	
	Slitter Unit (Optional)	

Product

APPLICATIONS



Industrial Labels



Chemical



Wine & Alcohol



Pharmacy



Soft Package



Clothing Tags



Food & Beverages



Toothpaste Tube