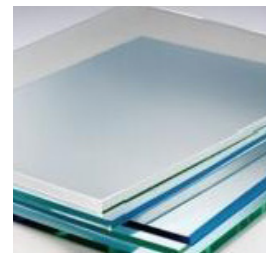
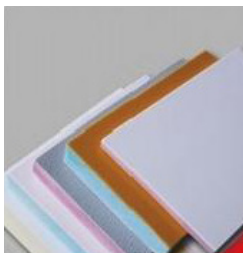


# NEXUS<sup>Flow</sup>

Dual head digital Single Pass UV printer



Fast, consistent, industrial-grade printing for plastics, metals, glass & ceramics, wood, and other materials.



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When speed and consistency matter most, the Nexus Flow is your go-to digital UV printing solution.

Built for high-volume industrial applications, this single pass machine prints full-color CMYK+W+V designs in one seamless motion — no drying time, no compromises.

From large production runs to continuous inline integration, it combines industrial robustness with the flexibility of digital.

## Advantages

- Very fast product turnaround
- On-the-fly image turnaround
- High-speed print output
- Various options and configurations



## What is Single Pass UV printing?

Single pass UV printing is a digital printing technology that uses UV-curable inks and fixed print heads to apply a complete image in one motion. Unlike multipass systems, there's no need for repeated print head movement—making it ideal for high-speed industrial production lines.

**Whether you're printing logos, artwork, serial numbers, or variable data, single pass UV delivers consistent results across:**

- Plastics
- Metals
- Glass & ceramics
- Wood
- Other materials used in industrial applications

## Why Choose Nexus Flow?

- Optimized for industrial integration: From standalone units to in-line integrations
- High-speed output
- Excellent adhesion on challenging surfaces like coated metals and rigid plastics
- CMYK+White+Varnish printing with crisp detail and vivid colors
- Instant UV curing = no smudging, no downtime
- Perfect for short runs & variable data with minimal operator training
- Sustainable: no VOC (volatile organic compound) emissions and very limited ink loss
- Safe: no heavy moving parts

## Specifications

Print size	200mm max. width, continuous length
Maximum product dimensions	400mm max. width, continuous length
Print head	Configured to purpose
Color output	CcMmYK+W+varnish
Print quality	960 x 900 dpi
Number of print heads	max. 8 printheads, configured to purpose
Printing technology	3,5 PL ink drop
Surface pretreatment	Plasma (optional)

## Workflow information

Safety system	Automatic detection with emergency stop
Ink types	UV curing inks
Curing system	LED UV
Work environment	Ideal temperature between 15°C - 30°C Ideal humidity between 20 - 75%RH
Print speed	20 - 30meter / min belt speed
RIP Software	ColorGate / Photoprint / PrintFactory / ... with specialised printer driver (included)
File formats	PDF, EPS, jpg, bmp, tff
Automatic mode	With product counter and automatic product recognition

## Technical information

Weight	800kg
Size	2100mm x 1500mm x 1500mm
Power supply	220V, 50Hz

## From Tradition to a Digital Future

For more than 35 years, Lopritec has been at the heart of industrial printing innovation. What started as a specialist in pad printing has steadily evolved into a trusted partner for manufacturers across Europe.

Over the decades, we expanded our expertise to hot stamping and thermal decal printing — building up a unique combination of technical know-how, equipment adaptation, and customer-focused service.

Today, Lopritec offers the full package: machines, consumables, and services for pad printing, hot stamping, thermal decal printing on glass and ceramics, and — most recently — digital UV printing.

The addition of digital UV technology to our range is not just a step forward, it's a strategic evolution. Traditional printing methods such as pad printing, hot stamping, and thermal decals face increasing challenges: high start-up costs, expensive reproductions, and rising labor costs.

**Digital UV printing answers these challenges with flexible, cost-efficient, and highly automated solutions that fit the pace of modern manufacturing.**

With the launch of the Nexus range, Lopritec bridges its long-standing tradition in industrial printing with the limitless possibilities of digital technology. It's the natural continuation of our mission: delivering robust, reliable, and future-ready printing solutions that empower manufacturers to stay ahead in a rapidly changing market.

## Contact us

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