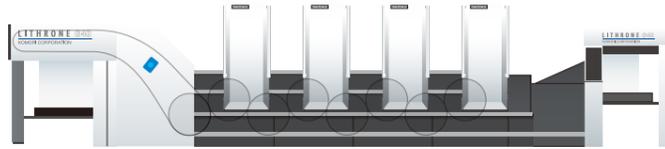
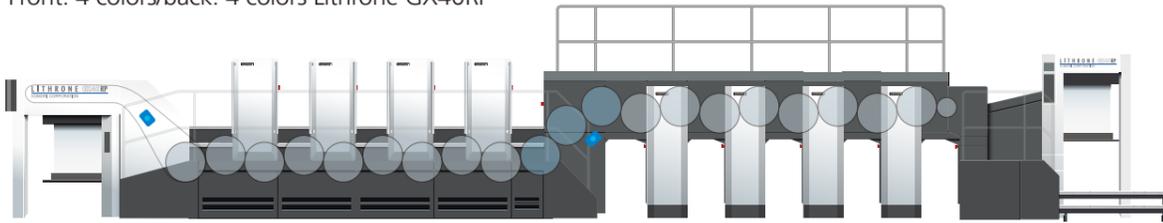


• **Press Configuration Drawings**

Four-color Lithrone G40



Front: 4 colors/back: 4 colors Lithrone GX40RP



■ = H-UV L (LED)

• **Comparison of H-UV L (LED), H-UV, Oil-based and UV Printing**

	H-UV L (LED)	H-UV	UV	Oil-based	
Production/quality	Quick turnaround capability	★★	★★	★★	★
	Drying problems	★★	★★	★★	★
	Dry-down	★★	★★	★★	★
	Handles substrates vulnerable to heat	★★★	★★	★	★
Environment	Powderless	★★	★★	★★	-
	Ozone-free	★★	★★	-	★★
	Heat emission	★★★	★★	★	★★★
	Power consumption	★★	★★	★	★★★
	Odor	★★*1	★★*1	★	★★★
Deinking possible	★★	★★	-	★★	

- N/A
 ★ Fair
 ★★ Good
 ★★★ Very Good

*1 Low-odor ink available

* Performance and values will vary according to specifications. Specified values may be changed for the purpose of product improvement.



H-UV Solutions

Quality and Reliability in an Eco-friendly and Economical Innovative UV Curing System

*This brochure was printed on an H-UV-equipped press.

H-UV L (LED) — Innovative UV Curing System

An LED version has been added to the popular H-UV system. The H-UV L (LED) version improves printing efficiency by further reducing power consumption and enabling instant ON/OFF of the LED lamp. In addition, the long service life of the LED module reduces the maintenance load.

Advantages of UV Curing System



Shorter Total Turnaround Time
Extremely effective in shortening the time from receipt of materials to delivery.



Improved Quality due to Powderless Operation
None of the troubles associated with the scattering of powder granules and much easier postpress.



Reduction of Stock Space
The stock space necessary to accommodate the increasing number of short runs of varied items can be reduced.



Elimination of the Dry-Down
Simple color determination, so printing with client in attendance and production printing are easier.

Advantages of H-UV System: Economical

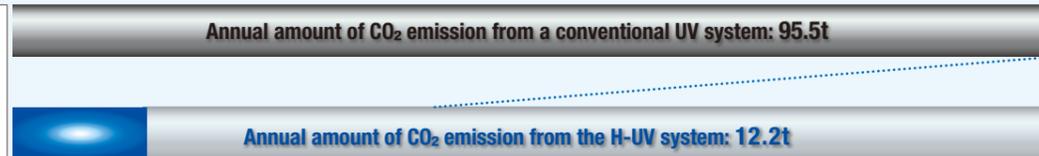


Energy-saving and Low Running Cost
The amount of CO₂ emissions from Komori's H-UV L (LED) system is about 15 percent that of a conventional UV curing system.



Improved Printing Efficiency
Can be used immediately when required due to instant ON/OFF capability of the LED lamp.

Comparison of amount of CO₂ emission



For a Lithrone G40

* 260 working days per year, basic unit of CO₂ emissions: 0.555 kg/kWh

Advantages of H-UV System: Eco-friendly



Environmentally Friendly
The H-UV L (LED) system contributes tremendously to a better environment inside the printing plant because it does not discharge ozone, does not use powder and is nearly odorless.



Effective Space Utilization
Since the H-UV L (LED) system is compact, installation space is minimal and no area is needed to place printed items that have not yet dried.

H-UV Solutions

High Efficiency with Komori Total Support

Komori total support helps maintain high print quality, reduction of common problems and reduced costs since all K-Supply brand consumables are supplied by Komori.

For quality control, it is essential to adjust machine conditions to meet changes in the environment and variations due to aging. Komori uses its know-how as a press manufacturer to ensure quality control by not only supplying materials but also through recommending and providing machine maintenance.



Users' Voices

- Ability to **immediately** do **reverse side printing, work and turn printing** or **postpress processing**
- **Solution to** problems of **smearing, scratches, set-off** and **dry-down**
- Excellent for short runs of **many different items** and quick turnarounds
- **Glossiness** approaching **conventional ink**
- Capable of **smoothly handling repeat jobs** and printing with client in attendance

K-Supply Ink KG-914

The Ideal High Performance Ink for H-UV Printing

KG-914 H-UV L (LED) Ink is the ideal Komori standard ink for H-UV printing that was developed with the know-how gained through the sale of H-UV systems.

Main Features

- ① Beneficial in preventing cracking during folding.
- ② Ink misting has been reduced, ensuring clean conditions.
- ③ Paper peeling and edge picking are constrained.
- ④ The problem of ink backing away from the fountain roller in long runs has been mitigated.
- ⑤ Sharp dot shapes and minimal feathering.