

H-UV

Innovative Curing System



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

SERVICE
KOMORI CORPORATION

H-UV

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The Komori H-UV System is an innovative UV curing system that uses a UV lamp developed with Komori know-how and high-sensitivity UV ink. With just one lamp mounted in the delivery, this system offers high print quality and reliability as well as excellent economic and eco-friendly performance.

Features

- **Improved Quality due to Powderless Operation**

Since the entire printing process is powderless, the plant has none of the troubles associated with the scattering of powder granules. The surface of printed items is smooth, which makes surface processing in postpress very easy. Also, since the problems resulting from supplementary printing by an on-demand press can be reduced, UV curing can facilitate more orders in applications that require no adhesion of drying powder. The elimination of the dry down phenomenon also makes it easier to check quality.



- **Shorter Total Turnaround Time**

Job turnaround time is dramatically shorter than with conventional printing because printed items are cured instantly by an in-line process. UV curing is extremely effective in shortening the time from receipt of materials to delivery because finishing work such as cutting, die cutting and folding can be performed immediately.



- **Environmentally Friendly**

The amount of CO₂ emissions from Komori's H-UV system is about one-fourth that of a conventional UV curing system. Also, H-UV does not discharge ozone, which occurs with conventional UV lamps, thanks to the reduction of light emitted in the ozone-generating wavelength of the spectrum.



- **Budget-friendly Initial Cost**

Since the H-UV System is mounted inside the printing press, the power supply unit is very compact. Also, because it discharges no ozone and only a very small amount of heat, air-conditioning equipment involving air ducts is not necessary. This results in an initial cost that is much lower than a conventional UV system, making installation of the H-UV system a very budget-friendly proposition.



Installation

- Target models · Lithrone G series, Lithrone S series*¹
- Work period · 7 – 14 days*¹

*¹ Possibility of installation depends on year and model of machine; materials and fitting time may differ according to original machine specification.

Comparison of H-UV, Oil-based and UV Printing

		H-UV	UV	Oil-based
Production/quality	Quick turnaround capability	HH	HH	H
	Drying problems	HH	HH	H
	Dry-down	HH	HH	H
	Handles special substrates vulnerable to heat	HH	H	H
Environment	Powderless	HH	HH	-
	Ozone-free	HH	-	HH
	Heat emission	HH	H	HHH
	Power consumption	HH	H	HHH
	Odor	HH* ¹	H	HHH
	De-inking possible	HH	-	HH

- N/A
H Fair
HH Good
HHH 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.

*This catalog was printed on an H-UV-equipped press with K-Supply KG-911 ink.

*The specifications and design in this catalog are subject to change without notice for the purpose of product improvement.