

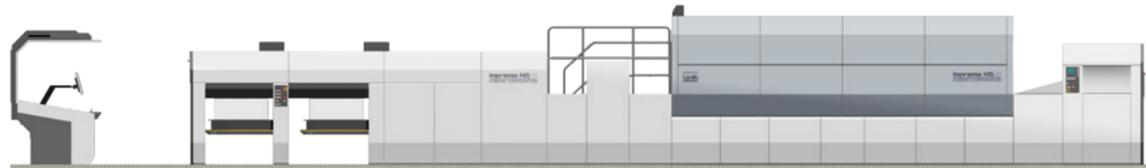
# Impremia NS40

40-inch Sheetfed Nanographic Printing® System

## Configuration

Impremia NS40

Example specs: Impremia NS40+coater+double pile delivery



## Specifications

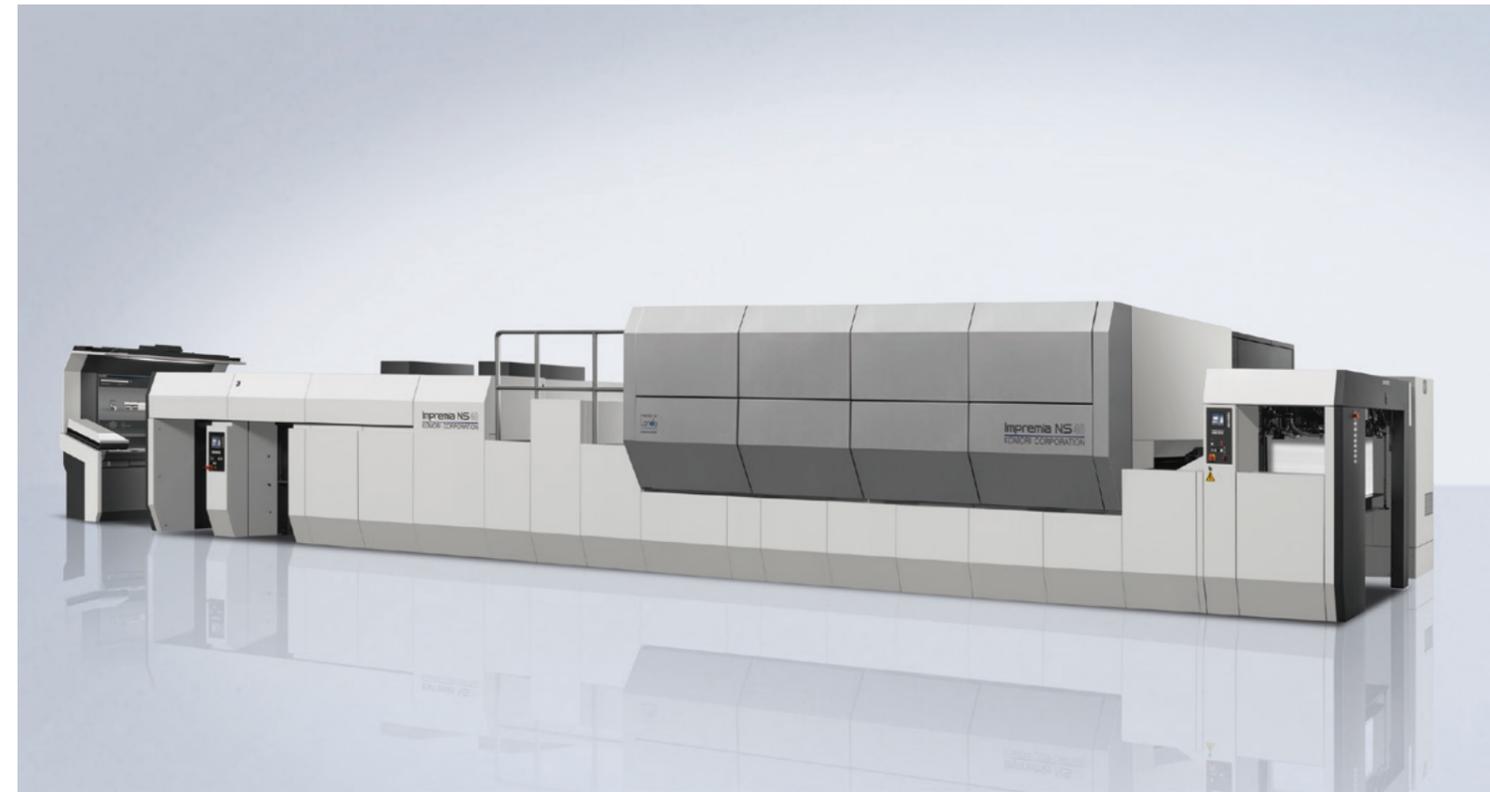
Impremia NS40 (40-inch Sheetfed Nanographic Printing® System) specifications				
Number of colors		4	7	
Ink		Landa Nanolnk®		
Resolution	dpi	1,200		
Printing speed	sph	6,500		
Max. sheet size	mm (in)	750 × 1,050 (29.5 × 41.3)		
Min. sheet size	mm (in)	360 × 520 (14.2 × 20.5)		
Max. printing area	mm (in)	734 × 1,032 (28.9 × 40.6)		
Sheet thickness range	mm (in)	0.06 - 0.8 (0.0024 - 0.031)		
Feeder pile height	mm (in)	1,280 (50.4)		
Delivery pile height	mm (in)	1,150 (45.3)		
Dimensions	Length (L)	Coater+single pile delivery	mm (ft)	14,332 (47')
		Coater+double pile delivery	mm (ft)	15,618 (51'3")
	Width (W)	mm (ft)	4,077 (13'5") (6,955 (23') with blower cabinet)	
	Height (H)	mm (ft)	2,447 (8') (3,376 (11'1") with cover open)	

\* Total length is the measurement from feeder to delivery.

\* Performance and values may differ depending on specification. Komori reserves the right to change specifications for the purpose of product improvement.

# Impremia NS40

## KOMORI CORPORATION



40-inch Sheetfed Nanographic Printing® System

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JQA - QM3657  
JQA - EM3213  
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# KOMORI

# Impremia NS40

40-inch Sheetfed Nanographic Printing® System

A new B1-size digital press to pioneer new business fields, utilizing Komori's full range of offset technologies.

## Introduction

Introducing a new digital press, with the impressive productivity and profitability needed to expand customers' businesses by meeting growing demand for short and medium runs including variable printing and versioning for immediate turnaround on jobs such as packages, displays and point of purchase.

Supported by Komori's previously amassed technologies, and with unique designs such as use of image transfer blankets, the press achieves B1 print speeds of 6,500 sph.

As a "digital offset" press, the NS40 is the peak of digital presses and is made possible only by Komori.

## Features

- Impressive productivity and profitability for small to medium runs
- B1 printing speeds of 6,500 sph
- Excellent post-press compatibility
- Compatible with a range of papers
- Reduces time spent on corrections and on-site confirmations
- Reduces costs, environmentally friendly



Photo: Impremia NS40

\* Model in photograph includes optional features.

## Contents

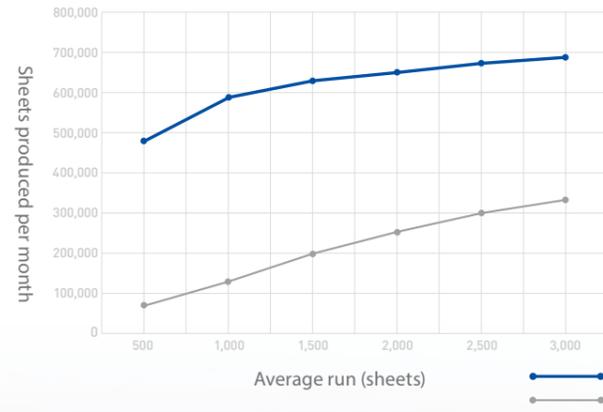
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## High productivity and profitability, with the peak of digital presses

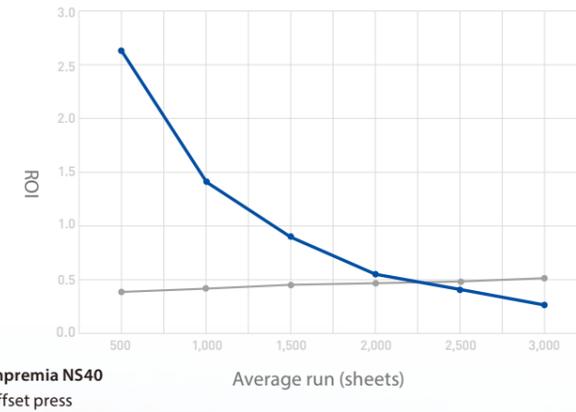
### Helps achieve impressive productivity and profitability for small to medium runs

Able to print at speeds of 6,500 revolutions with no need to change plates or ink, the Impremia NS40 is perfect not only for short packaging but also for jobs demanding short turnarounds, and heavy use of special colors, such as point of purchase. In terms of both productivity and profitability, the NS40 greatly excels at jobs such as short and medium runs where standard offset presses fall short.

#### Sheets produced per month



#### ROI (annual contribution margin/machine price)



\* Figures show Komori measurements under specific conditions. No warranty is implied.

### Compatible with a wide range of papers

The press prints by transferring ink via an image transferring blanket. As a result, printing can be carried out on the same paper as used for offset, with no need for special paper or pre-coats.

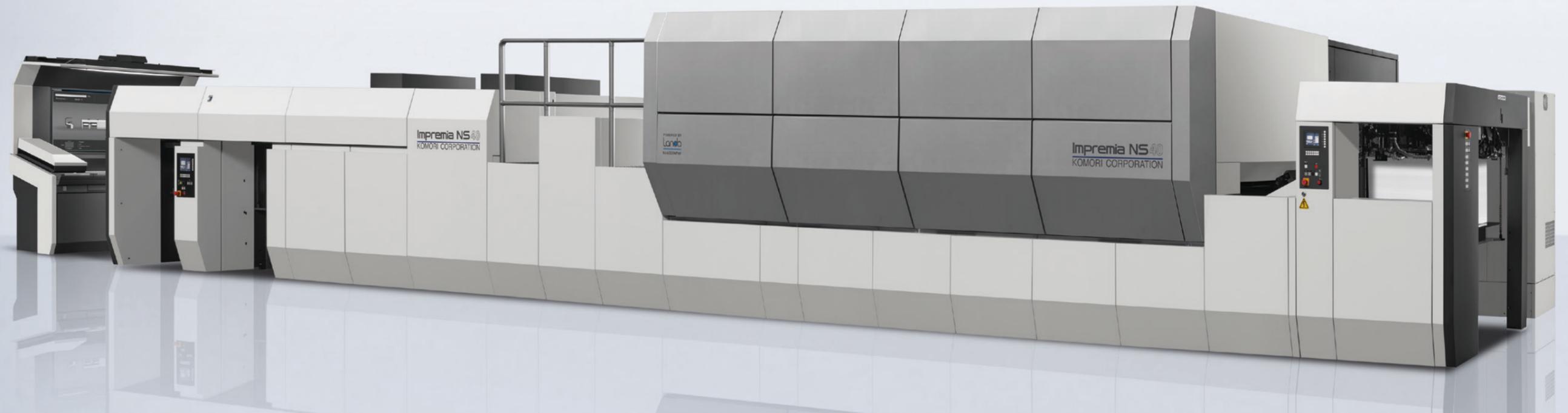
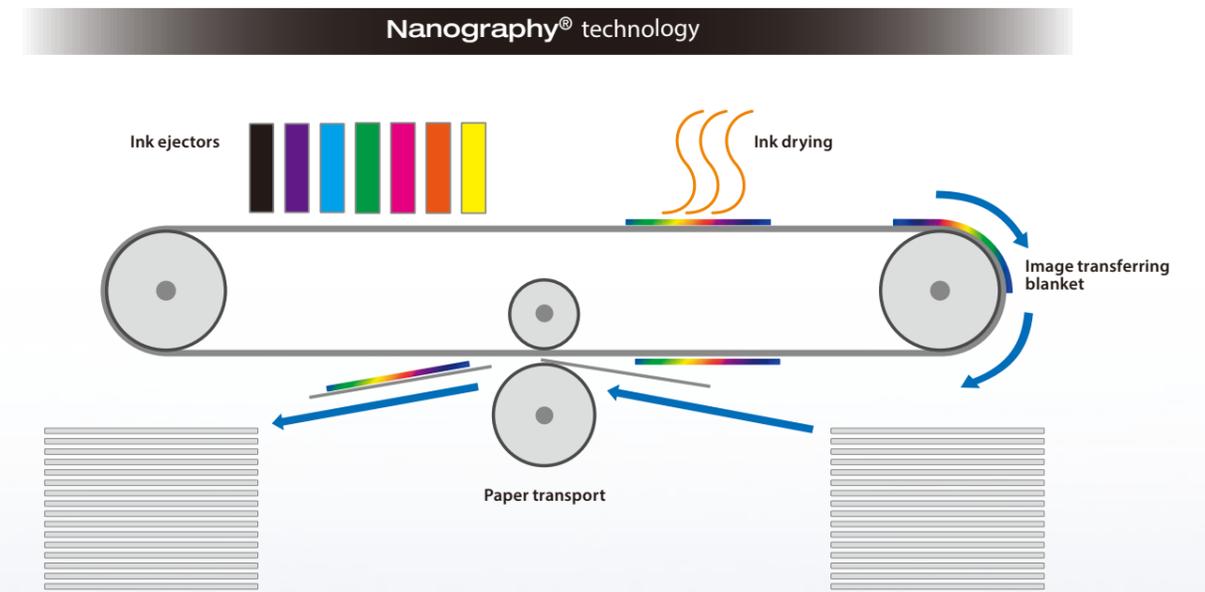
### Excellent post-press compatibility

Allows for the same post-press processing as with offset presses, such as offline aqueous press coating, PP lamination, board lamination, punching and folding.

### B1 printing speeds of 6,500 sph

With standard aqueous inkjet printers, the ink is ejected directly onto the substrate, allowing moisture from the ink to soak into the substrate. This, in turn, requires a large amount of energy to dry the printed sheets, and prevents high-speed printing.

With the Impremia NS40, however, printheads instead eject aqueous Landa NanoInk® onto an image transferring blanket, which forms a thin layer. The ink then dries on the blanket and is transferred after the inner moisture has dissipated, preventing moisture from penetrating into the substrate as deeply and allowing for high-speed drying. This unique innovation is what allows for top-class printing speeds of 6,500 revolutions.



## Machine configuration and internal design that utilizes the full range of Komori technology and that can greatly reduce time and costs

### Reduces time spent for corrections and on-site confirmations

The Impremia NS40 can produce acceptable sheets from the first sheet, with no need to change plates or ink. Compared to offset presses, this can greatly reduce the time spent, from corrections to final printing and on-site confirmations, even for short to medium runs of many different printed items.

### Reduces costs, environmentally friendly

#### Productivity

Costs remain unchanged even when producing only the necessary amount, eliminating the need for inventory, for more effective use of space.



#### Costs

Efficient paper use, even for package and display printing.



#### Environment

Conforms to strict European and American foodgrade safety standards such as for Nestle and the FDA.



## KP-Connect

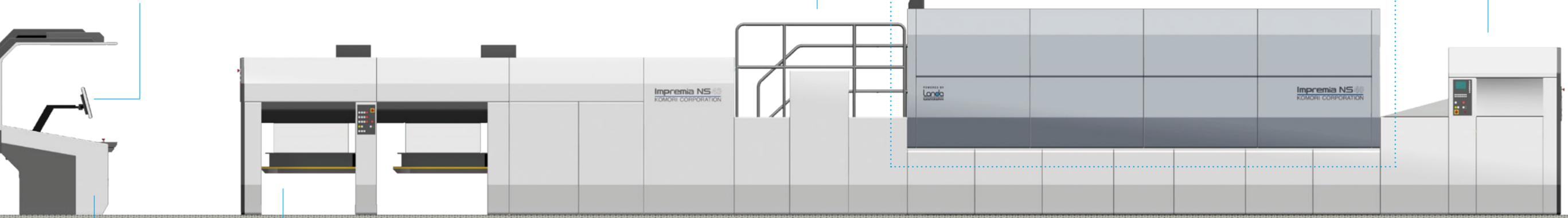
### Komori Solution Cloud

#### KP-Connect Basic

Cloud-enabled: whenever, wherever. Easily visualize print operation status.

#### KP-Connect Pro

Scheduling and workflow automation of all printing presses.



### Supports efficient operation

#### Digital station

A system for quality management, preventative maintenance and centralized information management for digital presses. Equipped with features such as KP-Connect, KHS-AI and PDC-SX.

### Flexible production

#### Double pile delivery

Even ultra-short runs can be removed for postpress without stopping printing, simply by switching to the other delivery. Samples and proofs can also be produced even during long runs and paper output can be automatically sorted.

### Added-value printing

In-line coater In-line coater for AQ or UV coating.

### Increased productivity

#### In-line sensors (PQA-D)

Contributes to better productivity through unique digital technologies, reducing prep time and turnaround and maintaining print quality by correcting items such as missing nozzles and registration.

### Compatible with wide range of sheet thicknesses

#### Feeder

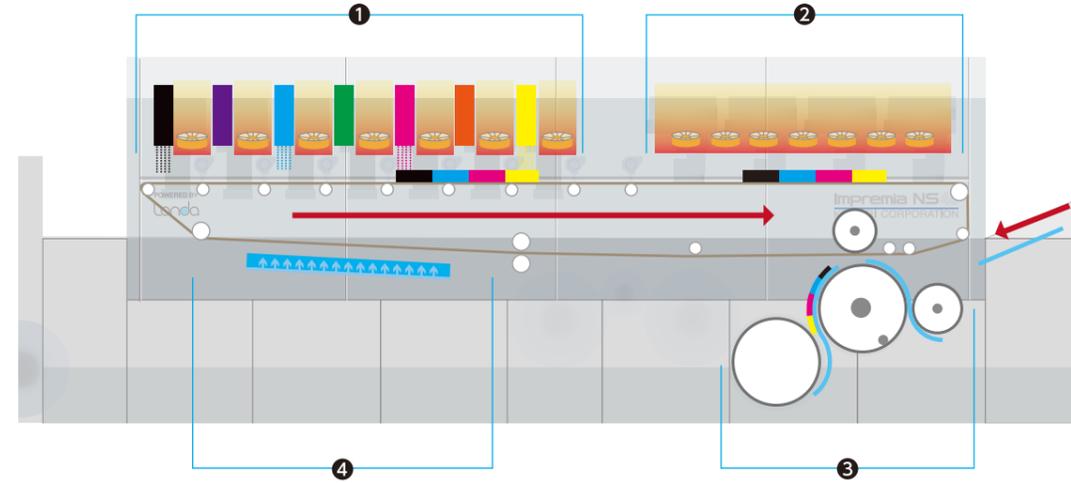
Developed from Komori's expertise in the latest offset technologies. Provides stable feeding.

#### 1 Jetting area

Landa Nanolnk® droplets are ejected onto the image transferring blanket under optimal temperature controls, creating the image for printing.

#### 2 Curing area

Moisture in the ink is evaporated under a dryer, solidifying the image.



#### 4 Blanket cooling area

The image transferring blanket is cooled to the optimal temperature for the next jetting.

#### 3 Printing area

The image is transferred to the paper. Because the transfer image has already been cured, no moisture is imparted to the paper, which eliminates smudging and wrinkles.