

# NEWSPAPER PLATES

PLATES FOR NEWSPAPER PRINTING

PLATES & PLATE PROCESSING



# CONSISTENT LONG-RUN QUALITY

**Printing newspapers puts heavy demands on plates: they need to be quick to make and must deliver consistent quality right through long print runs.**

Fujifilm's research and development team have created a range of plates that more than fulfil these criteria. Whatever plate-making system you use, there is a Fujifilm plate that is perfect for your needs.



## Created just for newspapers

Unlike other manufacturers who simply supply commercial printing plates to newspapers, Fujifilm has designed its plates to produce the best possible performance on newspaper presses – without compromise.

All plates (VNN-E, LP-NN2, LP-NNV and LH-NN) are dedicated newspaper plates.

## High productivity

Fujifilm plates use a high sensitivity coating that reduces platesetter production time to prolong their working lives.

## Flexible processing

Fujifilm's open plate chemistry is compatible with other leading brands, so you are not tied to a single source of supply. Fujifilm plates have a wide processing latitude and can be developed in processors already installed on site which saves money and increases flexibility.

## Consistent image quality

Most newspaper plates have a long run life, but Fujifilm plates deliver consistently high quality text and images throughout the whole run. Wide exposing latitude provides a stable dot on press.

## Better chemistry saves time

Not only do Fujifilm developers work longer but processors are easier to

clean, which means fewer manhours cleaning processors and disposing of spent chemicals.

## Every silver lining has a cloud

Fujifilm has rejected the use of silver in its CTP technology because of environmental issues – silver is also costly to dispose of conscientiously.

Fujifilm's silver-free plate chemistry outperforms conventional silver-based systems while at the same time helping to protect the environment without compromising commercial needs.



**"The integration of the Fujifilm LP-NNV plate into our production process has been seamless. We have kept all the pre-press and pressroom benefits we profited from using LP-NN2 whilst enjoying the advantages of the latest violet technology."**

Rob Frames, Pre-Press and Materials Handling Manager, Trinity Mirror Printing Oldham

## Easy handling

The range of dedicated newspaper plates has advanced handling performance.

LP-NNV can be handled under bright yellow light.  
LH-NN can be handled under UV-cut white light.



## Sharper dot

Fujifilm photopolymer newspaper plates are superior in dot reproduction. Less dot gain makes adjustment of the calibration curve easy, guaranteeing consistent printing quality throughout the entire run.

**"Fuji LH-NN was the front runner from the outset since we had earlier positive experiences of Fuji's excellent service and reliable deliveries. We appreciate the high and consistent quality of Fuji plates and their ability to keep consistent ink/water balance. The plates maintain high quality through an entire run, and after having used about 400,000 plates, till date we did not have to change one due to wear. We are also pleased with the clean chemistry, which means we can shorten the cleaning sessions and increase the intervals between cleaning times for the processors."**

Olov Hellberg, Technical Manager, Bold/DN.EX tryckeriet AB Stockholm

## CONVENTIONAL PLATES

### VNN-E

A negative conventional plate from the PS Plate range.

- Short exposure time for fast platemaking
- Matt surface reduces vacuum time and increases productivity
- High image contrast before and after development, reducing costly and time-consuming plate remakes
- Specially finished edges for safer handling and fewer press marks
- Multigrain technology uses less ink and has excellent ink/water balance
- High Cohesion Binder technology extends press life of every plate

## CTP PLATES FOR VISIBLE LIGHT CTP

### LP-NN2

A dedicated high speed photopolymer plate for Green laser platesetters.

- High sensitivity extends laser life
- Wide exposure latitude provides imaging stability and repeatability
- Long developer life means less frequent cleaning reducing overall maintenance costs
- Multigrain technology uses less ink and has excellent ink/water balance

### LP-NNV

A dedicated high speed photopolymer plate for Violet laser diodes

- Extra long run-length and precise highlight dot printing
- Sharp dots from the highlights to the shadow areas
- Bright Yellow safelight operating conditions

- Long developer life means less frequent cleaning reducing overall maintenance costs
- Strong plate chemical resistance ensuring compatibility with pressroom environments.

## FOR THERMAL CTP

### LH-NN

High-speed thermal plate with proven photopolymer technology

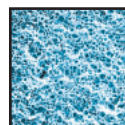
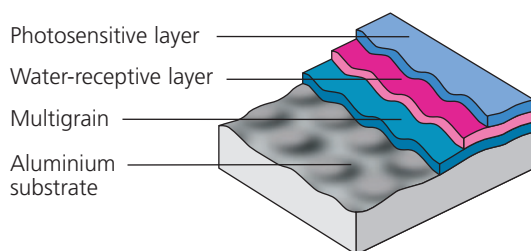
- Sharp dots from the highlights to the shadow areas
- High sensitivity delivers maximum productivity
- White light operating for easiest handling
- Strong plate chemical resistance ensuring compatibility with pressroom environments
- Extra long shelf life also under heavy environmental condition
- Long developer life means less frequent cleaning reducing overall maintenance costs

### Multigrain technology

**The secret of Fujifilm newspaper plates' success lies in their unique surface.**

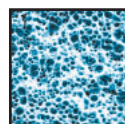
A complex structure of different sized grains provides all plates with superb press characteristics that make them perfect for long-run newspaper printing:

- Excellent press performance
- Optimum ink/water balance uses less ink
- Faster clean-up
- Less waste paper



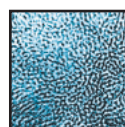
#### Primary grain

The largest grain is receptive to water molecules and delivers excellent tonal values.



#### Honeycomb grain

Within the primary grains lie smaller grains which endow the plate with wide development latitude and durability – longer print runs and resistance to scum.



#### Micropores

The smallest grains – the micropores – further enhance the plate's surface durability and give the optimum balance between ink and water levels.



# SPECIFICATIONS

	VNN-E	LP-NN2	LP-NNV	LH-NN
Plate type	Conventional plate	Photopolymer CTP plate	Photopolymer CTP plate	Thermal CTP plate
Light source	UV 385-420nm	FD-YAG 532nm	Violet LD 405nm	IR LD 830nm
Sensitivity	150mJ/cm <sup>2</sup>	0.15mJ/cm <sup>2</sup>	0.05mJ/cm <sup>2</sup>	100mJ/cm <sup>2</sup>
Resolution @ 100 lpi	2-98%	2-98%	2-98%	1-99%
Run length*	250,000	300,000	300,000	200,000
Safelight	Yellow fluorescent or UV protected white light	Red A10	Yellow G10	UV cut white light
Developer	HD-N2	LP-DS/LP-DZ	LP-DS/LP-DZ	LH-DN/LP-DZ
Developer replenisher	HD-N2	LP-DRN/LP-DRZ	LP-DRN/LP-DRZ	LH-DRN/LP-DRZ
Finishing gum	GU-7NWE	FN-6CWE/FN-6NWE	FN-6CWE/FN-6NWE	FN-6CWE/FN-6NWE

\*Run lengths are always dependent on laser power, processing and press conditions. Figures shown are based on typical newspaper printing conditions.



## State-of-the-art production

Fujifilm's manufacturing plant at Tilburg in the Netherlands was built in the early 1980s to supply imaging products to the European market.

From an initial focus on conventional plates through recording film and CTP plates, the plant's increased capabilities enable a ready response to the growing European demand for fast delivery of high quality graphic arts consumables.

The plant's best practice principles ensure environmental impact is minimised and since 1997, has conformed to the stringent criteria of ISO 14001.

### DENMARK

**Fujifilm Danmark A/S**  
Phone: 45-45-662244  
Fax: 45-45-662214

### FRANCE

**Fuji Graphic Systems France SA**  
Phone: 33-1-64767100  
Fax: 33-1-64767101

### GERMANY

**Fuji Photo Film (Europe) GmbH**  
Phone: 49-211-5089254  
Fax: 49-211-5089260

### ITALY

**Fujifilm Italia s.p.a.**  
Phone: 39-02-89582-1  
Fax: 39-02-8464121

### UNITED KINGDOM

**Fuji Photo Film (UK) Ltd**  
Phone: 44-1234-245245  
Fax: 44-1234-245345

### JAPAN

**Fuji Photo Film Co Ltd**  
Phone: 81-3-3406-2769  
Fax: 81-3-3406-2174

**FUJIFILM**  
OFFIZIELLER PARTNER



The name 'Fujifilm' and the Fuji logo are trademarks of Fuji Photo Film Co. Ltd.  
The Fujifilm logo is a trademark of Fuji Photo Film Co. Ltd.

All rights reserved. E&OE.

Created using Fujifilm products

N - E - 10/2002