

# BRILLIA

## CTP MEDIA

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PLATES & PLATE PROCESSING



# FASTER MAKE READY AND HIGHER QUALITY RESULTS

## CTP – now is the time to change

Various CTP technologies are vying for position as the best in the field. The reality is that each offers advantages to different press users but all offer one unique advantage: they do not need film. It's as inevitable as DTP replacing hot metal.

Whichever route your business takes into CTP, Fujifilm offers you a choice of high-quality plates that will help you to make the transition from traditional film-based platemaking to CTP.

If you have already made the change to CTP, choosing Fujifilm Brillia will help your business to deliver quality print, time after time, job after job.

### Starting from a solid base

Fujifilm's reputation for the highest quality conventional pre-sensitized plates is second to none. Brillia's aluminium substrate is based on a wealth of plate expertise built up by our research and development teams and in our state-of-the-art manufacturing facilities.

The result is a range of products that handle and perform exactly as you would want them to, if not better.

### Long term assurance

Businesses need to plan for the future and a primary aim of Fujifilm is to ensure that its customers are not left with obsolete technology.

That is why we spend far more on research than others, and why we never release a new product or technology until we are sure of its viability both now and in the future.

When you adopt Fujifilm consumables and chemistry, you are entering into a partnership with an organisation with a future.

### Every silver lining has a cloud

There are some plate systems that depend on silver. Fujifilm has rejected the use of silver in its CTP technology because of environmental issues – silver is also costly to dispose of conscientiously.

Compared to thermal plates, silver-based plates suffer from more complex processing, require 'unfriendly' chemicals, need to be used quickly after processing and do not have traditional print characteristics.

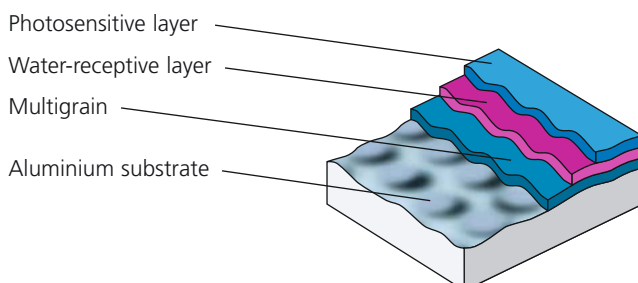


### Multigrain technology

**The secret of Brillia's success lies in its unique surface.**

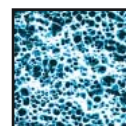
Like our conventional PS-Plates, Fujifilm photopolymer and thermal plates use aluminium bases coated with our patented MultiGrain print layer, renowned for its outstanding performance and tonal characteristics. This surface has a complex structure that combines three elements: primary grains, honeycomb grains and micropores.

This unbeatable combination delivers rich **tonal values**, **exceptional dot resolution** from highlights to shadows, an **easily-maintained ink/water balance** and **long print runs**, yet the plates are no more difficult to make than conventional ones.



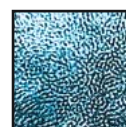
#### Primary grain

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.

## Brillia photopolymer

### LP-NV Commercial Violet

A fast working plate for commercial colour print that offers similar characteristics to conventional plates, allowing them to be mixed on press.

- Run lengths of up to 1 million impressions (when baked)\*
- Unbaked run length of up to 200,000 when imaged on a Fujifilm Luxel V-9600 CTP platesetter
- Sharp and precise dot formation
- Exceptional resistance to press room chemicals

### LP-N3 Commercial FD-YAG / Argon

A fast negative-working plate for high quality commercial colour print with press characteristics similar to conventional plates.

- Run lengths of up to 1 million impressions (when baked)\*
- Unbaked run length of up to 200,000 when imaged on a Fujifilm Luxel P-9600 CTP platesetter
- Sharp and precise dot formation
- Exceptional resistance to press room chemicals

### LP-NN2 Newspaper FD-YAG

Designed exclusively to meet the exacting needs of newspaper printing, this plate offers exceptional long-run performance with halftones and text.

- Good tonal range which resists image-sharpening on long runs
- Tolerant of wide latitudes in exposure, assuring consistently high quality plates
- High sensitivity for faster output with newer generation platesetters

### Choosing between photopolymer and thermal

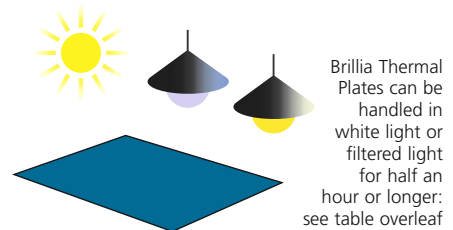
The choice of plate system is very much determined by the type of print required.

**Photopolymer** plates are ideal for medium print runs of commercial colour work up to 200lpi. With Fujifilm's photopolymer plates (which includes the LP-NV violet plate), the high speed photosensitive layer can lead to very high production levels of robust plates. Visible light obviously requires safelight conditions, but for many the speed

benefits and on-press performance outweigh this necessity.

**Thermal** plates have the ability to work in ordinary pressroom lighting conditions, making them very appealing. With the products delivering excellent halftones and superb on-press performance, the most demanding results can be achieved. Fujifilm Brillia thermal plates give full resolution between 1% and 99% at 200lpi, can be processed in daylight

using clean chemistry, and print with conventional plate characteristics, allowing thermal and conventional plates to be mixed on a single job.



## Brillia thermal

### LH-PIE Commercial Non-bake

A high sensitivity medium run positive-working plate requiring no pre-heating or baking, compatible with UV inks.

- One of the most sensitive plates available – makes the most of fast platesetters
- Excellent tone and dot reproduction
- Heat/bake free, resulting in very fast preparation for press
- Fast, simple processing
- Compatible with UV inks without baking

### LH-PCE Commercial Long run with baking

A high sensitivity plate with wider processing latitude.

- Fast output with even the latest high speed platesetters
- Suitable for sheet and web presses
- Excellent tone and dot reproduction
- Better scratch resistance
- 1 million impressions when baked
- Compatible with chemistry from other major suppliers\*\*
- Compatible chemistry with VPC-E

### LH-PSE Commercial Long run with baking

A high sensitivity plate suitable for long run printing.

- Fast output with even the latest high speed platesetters
- Suitable for sheet and web presses
- Excellent tone and dot reproduction
- Better scratch resistance
- 1 million impressions when baked

Full specifications overleaf

\* Run lengths are always dependent on laser power, processing and press conditions

\*\* Compatibility with other chemistry should be checked before proceeding

# SPECIFICATIONS

Photopolymer		LP-NV	LP-N3	LP-NN2
Application		Commercial	Commercial	Newspaper
Positive/negative working		Negative working	Negative working	Negative working
Light source		Violet 405nm	Argon 488nm FD-YAG 532nm	Argon 488nm FD-YAG 532nm
Sensitivity		0.05-0.10mJ/cm <sup>2</sup>	0.15mJ/cm <sup>2</sup>	0.15mJ/cm <sup>2</sup>
Gauges available (mm)		0.15 0.2 0.3 0.4	0.15 0.2 0.3	0.3
Run length*	Unbaked	200,000 Plus	200,000 Plus	300,000 Plus
	Baked	1,000,000	1,000,000	n/a
	UV	100,000	100,000	n/a
Special characteristics		Long run (baked) Chemical resistance UV compatible	Long run (baked) Chemical resistance UV compatible	Dedicated technology Wide exposure latitude Consistent long-run quality
Resolution		200 lpi (2-98%)	200 lpi (2-98%)	100 lpi (2-98%)
Safelight Filter		Yellow (FV30)	Red (A10)	Red (A10)
Chemistry (aqueous)	Developer/Replenisher Finishing gum	LP-DS / LP-DRC FN-6E	LP-DS / LP-DRC FN-6E	LP-DS / LP-DRN or LP-DZ / LP-DRZ

\* Run lengths are always dependent on laser power, processing and press conditions

Thermal		LH-PIE	LH-PCE	LH-PSE
Application		Commercial	Commercial	Commercial
Positive/negative working		Positive working	Positive working	Positive working
Light source		830nm infrared laser (800-850nm)	830nm infrared laser (800-850nm)	830nm infrared laser (800-850nm)
Gauges available (mm)		0.15 0.2 0.3 0.4	0.15 0.2 0.3 0.4	0.15 0.2 0.3 0.4
Run length*	Unbaked	200,000 plus	200,000	200,000
	Baked	n/a	1,000,000	1,000,000
	UV	100,000	Baked	Baked
Special characteristics		No baking High sensitivity UV compatible Fast processing	Long run (baked) High sensitivity Fast processing Wide processing latitude	Long run (baked) High sensitivity Fast processing
Sensitivity		120mJ/cm <sup>2</sup>	130mJ/cm <sup>2</sup>	150mJ/cm <sup>2</sup>
Resolution		200 lpi (1-99%)	200 lpi (1-99%)	200 lpi (1-99%)
Safelight Filter		White light UV cut (C20)	White light UV cut (C20)	White light UV cut (C20)
Chemistry (aqueous)	Developer/Replenisher Finishing gum	LH-DPWE / LH-DPRE FCT-E12 / FCT-E13 FN-6E	HD-P7 / HD-P7 FN-6E	LH-DS / LH-DRS FN-6E

\* Run lengths are always dependent on laser power, processing and press conditions

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