FUJIFILM
I&I – Imaging & Information

BRILLIA CTP MEDIA

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.

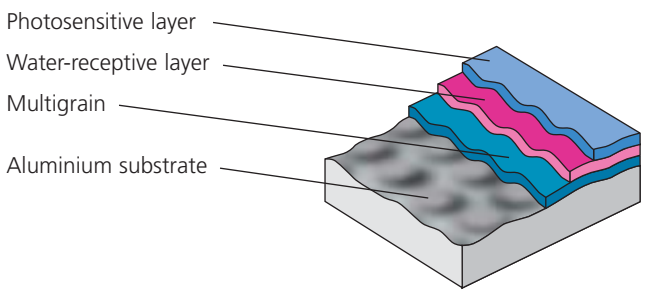
Compared to thermal plates, silver-based plates suffer from more complex processing, with "unfriendly" chemicals, need to be used quickly after processing and do not have traditional print characteristics.

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.

FUJIFILM
I&I – Imaging & Information

Brillia photopolymer

LP-NV
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 V-9600CTP and V-6000CTP platesetter
- Sharp and precise dot formation
- Exceptional resistance to press room chemicals

LP-N3
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 P-9600CTP platesetter
- Sharp and precise dot formation
- Exceptional resistance to press room chemicals

LP-NN2
Newspaper

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

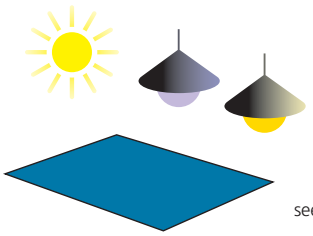
- Good tonal range which resists image-sharpening on long runs
- Tolerant of wide latitudes in exposure, assuring consistently high quality plates
- High sensitivity for faster output with newer generation platesetters

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 new 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 both negative and positive working 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 Plates can be handled in white light or filtered light: see table overleaf

Brillia thermal

New

LH-PJ
Non-bake positive working

With newly developed Multigrain technology and Double-Coating technology, LH-PJ improves on the printing ease and the plate durability.

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
- Exceptional resistance to press room chemicals
- Distinguished registance to scratch
- Wider water-ink balance

LH-NI2
Pre-bake negative working

Long runs and fast production make LH-NI2 ideal for printers preferring to work negative plates.

- Up to 1 million impressions when baked
- Fast output
- Suitable for sheet and web presses
- Excellent tonal range up to 200 lpi

SPECIFICATIONS

Photopolymer		LP-NV	LP-N3	LP-NN2
Application		Commercial	Commercial	Newspaper
Positive/negative working		Negative working	Negative working	Negative working
Light source		Violet 405-410nm	Argon 488nm FD-YAG 532nm	Argon 488nm FD-YAG 532nm
Sensitivity		0.05-0.08mJ/cm^2	0.15mJ/cm^2	0.15mJ/cm^2
Resolution		200 lpi (2-98%)	175 lpi (2-98%) 200 lpi (P-9600CTP)	100 lpi (2-98%)
Gauges available (mm)		0.15, 0.2, 0.24, 0.3	0.15, 0.2, 0.24, 0.3	0.2, 0.3
Handling times	White light Red (R10) filtered UV cut (C20) Yellow (FV30) filtered	n/a until 15 mins n/a until 7 mins	n/a until 15 mins n/a n/a	n/a until 15 mins n/a n/a
Chemistry	Developer/Replenisher Finishing gum	LP-D3WS/LP-D3RWS FN-6	LP-D3WS/LP-D3RWS FN-6	LP-D3WS/LP-D3RWS FN-6
Processors		FLP-850/1260	FLP-850/1260	INTERPLATER 85HD for Photoplymer
Run length*	unbaked baked uv	200,000 1,000,000 100,000	100,000 200,000 (P-9600CTP) 1,000,000 100,000	300,000 n/a n/a

Thermal		LH-PJ	LH-NI2
Application		Commercial	Commercial
Positive/negative working		Positive working	Negative working
Light source		830nm infrared laser	830nm infrared laser
Sensitivity		120-140mJ/cm^2	120mJ/cm^2
Resolution		200lpi (1-99%)	200lpi (1-99%)
Gauges available (mm)		0.15, 0.2, 0.24, 0.3, 0.4	0.15, 0.2, 0.24, 0.3, 0.4
Handling times	White light Red (R10) filtered UV cut (C20) Yellow (FV30) filtered	until 60 mins n/a until 120 mins —	until 45 mins n/a until 180 mins —
Chemistry	Developer/Replenisher Finishing gum	LH-D2WS/LH-D2RWS, LH-D2RS FN-6	LH-DNWS FN-6
Processors		FLH-85/125/150P	FLH-85/100/125/150N
Run length*	unbaked baked uv (unbaked) uv (baked)	200,000 — 50,000-100,000 70,000-150,000	200,000 1,000,000 n/a necessary to bake

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

FUJIFILM
FUJI PHOTO FILM CO., LTD.
26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN

Ref. No. GB-252ER (SK·03·08·F9711) Printed in Japan