



Newspaper Products & Services

PRODUCT BROCHURE

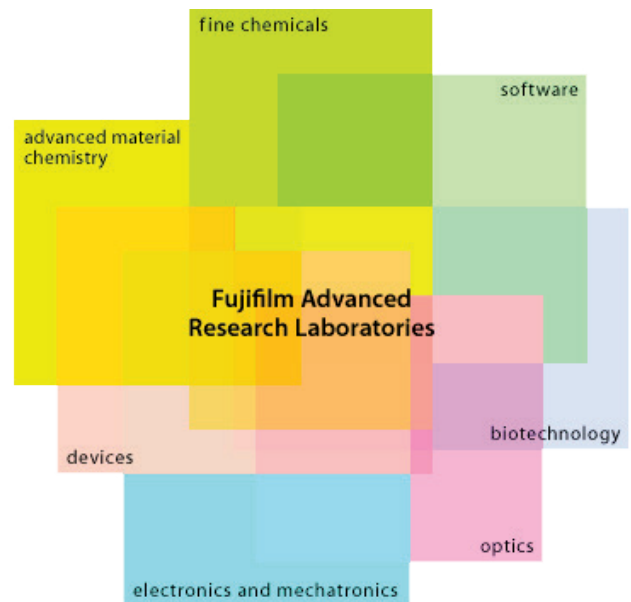
Innovative products for
newspaper applications

A dedication to development of innovative solutions

For decades, Fujifilm has been meeting the demand for innovative print solutions for everything from commercial print to wide format and newspaper applications. In fact, Fujifilm was recognized as one of the 100 most innovative companies in the world by Thomson Reuters, and has been recognized by Printing Industries of America with InterTech™ Technology Awards. At Fujifilm our Value from Innovation commitment is our promise to deliver a robust lineup of leading-edge products for decades to come.

The development of core technology is at the center of Fujifilm's mission. With Research & Development investments totaling more than \$2 billion annually, we're helping to advance the Graphic Arts industry in leaps and bounds.

At the center of our innovation-based culture are the Fujifilm Advanced Research Laboratories, which brings together scientists and engineers specializing in fields from chemistry to physics, optics to electronics, for the purpose of collaborating, innovating and integrating across a broad range of fields. With a rich heritage of developing leading-edge, proprietary technologies, Fujifilm is developing new products and creating new value for newspaper applications. The technologies we've developed have translated directly to new advances across our full range of newspaper solutions – from advances in offset plates, to our wide range of pressroom products, color management tools, and our partnership with leading suppliers of CTP equipment and workflow solutions.



Plates for NEWSPAPER PRINTING

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 has created a range of plates that more than fulfill 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 that 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 (LH-NN2, LP-NNV, Superia Ecomaxx-VN, and Superia Ecomaxx-TN) are dedicated newspaper plates.

High productivity

Fujifilm plates use high sensitive coatings for increased productivity and imaging latitude.

Flexible processing

Fujifilm plates have a wide processing latitude and can typically be developed in processors already installed on site, which saves money and increases flexibility.

Consistent image quality

Fujifilm's coating technology offers wide exposure latitude and stable dot on press.

Better chemistry saves time

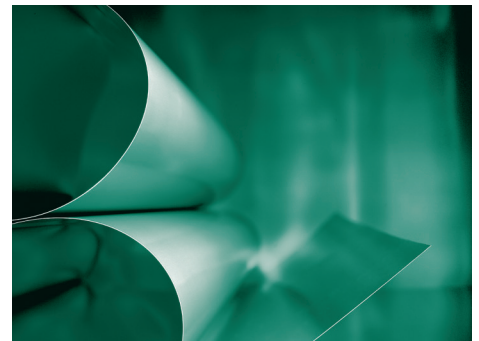
Not only do Fujifilm developers work longer, but processors are easier to clean, which means fewer man-hours cleaning processors and disposing of spent chemicals.

Easy handling

The range of dedicated newspaper plates has advanced handling performance.

Sharper dot

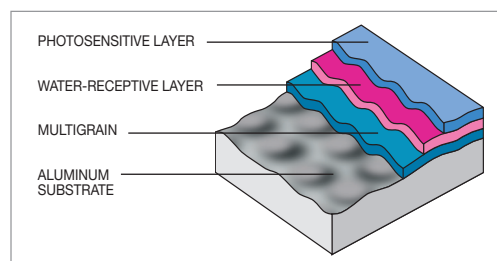
Fujifilm photopolymer newspaper plates are superior in dot reproduction. Less dot gain makes adjustment of the calibration curve easy, allowing for consistent printing quality throughout the entire run.



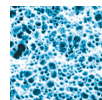
MULTIGRAIN Technology

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:

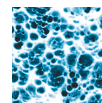


- ▶ Excellent on press performance
- ▶ Optimum ink/water balance uses less ink
- ▶ Faster clean-up
- ▶ Less paper waste



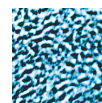
Primary grain

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



Honeycomb grain

Within the primary grains lie smaller grains that 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.

Plates for THERMAL CTP

LH-NN2

Dedicated high-speed photopolymer plate for thermal laser platesetters

- ▶ Negative working image orientation
- ▶ Sensitivity designed to support high PPH throughput with thermal laser platesetters
- ▶ High quality tone reproduction and dot integrity
- ▶ Durable image layer for extra long run length
- ▶ Long developer bath cycle for optimized operating cost and less maintenance time
- ▶ Fast roll-up, clean restarts, wide ink/water balance latitude and scum resistance

SUPERIA ECOMAXX-TN

A dedicated thermal plate for newspaper applications.

- ▶ True processless technology simplifies production and eliminates processing chemicals and effluents
- ▶ Greatly reduced electrical and HVAC requirements
- ▶ High sensitivity supports high PPH platemaking requirements
- ▶ Eliminates processing equipment and associated capital investment for floor space and maintenance
- ▶ Fast roll-up, clean restarts, wide ink/water balance latitude and scum resistance

Plates for VISIBLE LIGHT CTP

LP-NNV

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
- ▶ Long developer life means less frequent cleaning reducing overall maintenance
- ▶ Strong plate chemical resistance ensuring compatibility with pressroom environments
- ▶ Fast roll-up, clean restarts, wide ink/water balance latitude and scum resistance

SUPERIA ECOMAXX-VN

Dedicated lo-chem high-speed photopolymer plate for violet laser diode platesetters

- ▶ Lo-chem system reduces pH level of processing system
- ▶ No-water rinse option for less system effluent
- ▶ Simple, clean maintenance for less operator burden
- ▶ Wide exposure latitude provides imaging stability and repeatability
- ▶ Fast roll-up, clean restarts, wide ink/water balance latitude and scum resistance

Processors



	G&J HDX 85	G&J Raptor 85	Krause BlueFin 850	Krause BlueFin LowChem 850
Supported plates	LP-NNV LH-NN2 Ecomaxx - VN	LP-NNV LH-NN2 Ecomaxx - VN	LP-NNV Ecomaxx - VN	Ecomaxx - VN
Dev tank capacity	54L	22L	100L	125L
Max plate width	850mm	850mm	850mm	850mm
Min plate length	276mm	274mm	270mm	270mm
Footprint	1,330mm (W) 2,770mm (L) 1,160-1,310mm (H)	1,255mm (W) 1,954mm (L) 1,010-1,100mm (H)	1,372mm (W) 2,746mm (L) 1,220mm (H)	1,372mm (W) 2,050mm (L) 1,220mm (H)
Notes		Duty rating ~100,000 M ² /year	FlowControl system	

Computer to Plate Solutions

Krause sets the standard

The Krause line of CTP platesetters and processors are designed for newspaper printers worldwide. The Krause range of platesetters are perfectly suited for production environments with frequent format changes while providing the highest quality, reliability, and lowest operating costs.

Krause also offers a range of processors, and is the only manufacturer that produces a platesetter and a processor with fully integrated control and monitoring.

The Krause LS Jet III is the high performance CTP platesetter from Krause ranked top in its class. Available in five models from 200 to 400 plates per hour capacity it is the fastest platesetter in the market place. The unique features in regards to plate handling, automation and image quality make it the perfect solution for high volume newspaper CTP production.

The LS Performance CTP platesetter is the ideal solution for the middle market segment. Extremely compact in its dimensions, but high in output capacity (120-250 plates per hour, depending on model), it is the perfect solution with highest quality for the fully automatic CTP production.

The LS Performance XXL is capable of imaging an extremely wide range of newspaper plate sizes, and can also simultaneously image up to two single wide "double long" plates up to 290 mm in width or "one double wide double long" plate for fastest throughput.

The Smart'n'Easy This innovative CTP line is an integrated system with optimal interfaces to allow an easy transition to CTP technology. Reliable violet technology, a retrofittable autoloader and the capability of remote support guarantee a very cost effective operation for smaller newspapers.

The Multiformat CTP The Krause LS Jet Multiformat is a further development of the well established and successful LS Jet. The well-proven Krause Juwel violet technology with speeds of up to 400 plates per hour, that guarantees highest quality and reliability at lowest operating costs, now gets a productive multiple format and pallet loading plate handling.

KRAUSE

Quality builds trust.



Prepress • Workflow • Automation

NHM develops and distributes advanced and affordable production, prepress, planning, layout, management, and automation systems for publishers, printers and newspapers.

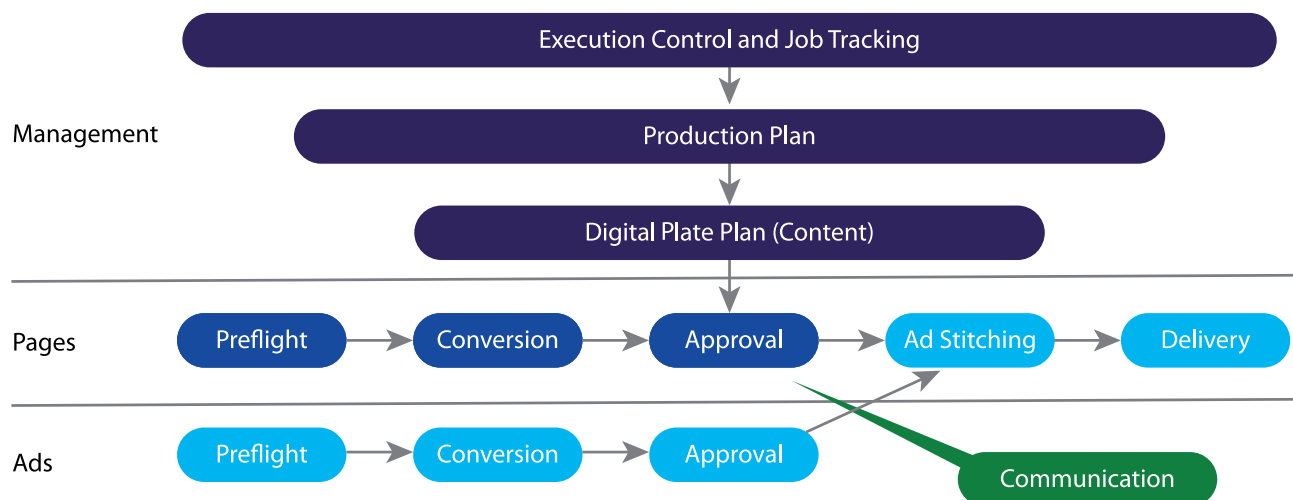
Designed to meet the production needs of newspapers and web printers, NHM solutions are affordable and expandable, with versions and features for small weeklies, as well as enterprise implementations powerful enough to consolidate production for the nations largest newspaper group.

NHM WebImposer is an intelligent prepress and production management and automation system built around a powerful PDF processing engine. The system covers the gamut from file acquisition, to file delivery and output control - and everything in-between.

Automator is an advanced prepress file preparation system. By converting all files to PDF, and working within the PDF language, Automator offers comprehensive preflighting, advanced pre-fixing, and exclusive features like "ad proxy protection" to prevent ads from being damaged when placed on a page and encapsulated.

Features

- ▶ Monitors folders and FTP sites and retrieve files automatically
- ▶ All incoming files become PDF
- ▶ Preflighting Performs Ghent v4 certified preflight (more than 150 checks)
- ▶ Automated Pre-Fixing automatically fixes: RGB or "4-color black" type, incorrect overprints, incorrect size (file dimensions), wrong orientation (auto rotation), wrong content location (auto content shifting), wrong color space, and much more
- ▶ Manual Correction Options should manual intervention be required, options include: change or remap colors, shift page content, rotate page, scale page content, and more
- ▶ Proofing includes soft-proofing and hard-proofing
- ▶ Pairing / Imposition semi- or fully-automated page pairing / imposition without dozens of templates or any templates at all. 1-up through 16-up
- ▶ Output & File Distribution balance loads RIPs, balance loads imagers, automatically creates and distributes "ancillary files:" like e-PDFs, e-tearsheets, archive files, etc., via email/FTP/UNC



FUJIFILM Hunt Chemicals

FUJIFILM Hunt Chemicals is a diversified developer and manufacturer of a wide range of chemical products for the photographic and printing industries. With strategically based state-of-the-art manufacturing facilities in vital markets worldwide and an experienced technical support staff, FUJIFILM Hunt Chemicals provides a wide range of pressroom products to serve newspaper printers around the world.

Fountain Solutions

SUPERIA News 963 is a mild acid fountain solution designed to provide fast and effective startups in the newspaper industry. It contains an enhanced buffering system and effective calcium control to help deal with the more alkaline newsprint we see today. This product also contains additional biocide for effective biogrowth control.* **

Daily Edition 16N is a mild acid fountain solution with a large operating window due to the increased wetting characteristics and reduced surface tension. 16N also contains Fujifilm Hunt Chemicals most effective biocide and corrosion protection.* **

Daily Edition NE600 is a zero VOC mild acid fountain solution containing non-piling and non-linting components to help increase time between wash cycles. NE600 also contains a biocide system to help prevent bacteria and fungus growth in the dampening system.* ***

Acedin Web 1550 is a fountain solution concentrate designed for use on all dampening systems. With a strong buffering system and a corrosion inhibitor added you can ensure a stable pH while avoiding damage to the press components that make contact with the fountain solution.* ** ***

News Etch 750CT is the most recent formulated fountain solution for newspaper applications. It is a mild acid containing specialty ingredients to help extend blanket mileage and minimize waste on startups. This is a high concentrate formula designed for performance at only one ounce per gallon.* **

Primetime FM-C Etch is a mild acid fountain solution product designed for stochastically imaged plates. This fountain solution contains non-linting and non piling additives along with a biogrowth control and anti-corrosion system.*

* Available in 55 gallon drums

** Available in 275 gallon totes

*** Available in 330 gallon totes



Technical Services and Support

Just a Phone Call Away

We realize that when production stops, so do the profits. Our trained and experienced technicians are available by phone, and if the issue can't be resolved over the phone, a service call is dispatched immediately. Your service is tracked by our system to help technicians address the underlying problem rather than just symptoms.

Get Up and Running

Every piece of equipment we sell comes with pre-site audits, professional installation and onsite training. We even make sure it's set up to integrate with any existing equipment you have – regardless of manufacturer.

More than Just Installation and Repair

We're not only dedicated to delivering the solution you need, we're here to be proactive – to keep you running at peak efficiency, anticipate your supply needs, assist you when it's time to expand your capabilities and much more.



Everything You Need from a Single Source

Everything we offer is backed by our Technical Services and Support team, which will guide you through installation, training and service. Our representatives can also keep you supplied with everything you need to stay up and running, including inks, chemicals and more.

FUJIFILM
Value from Innovation

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