FUJIFILM
Value from Innovation

Raising The Bar For Processless Plates

FUJIFILM
SUPERIA

ZX Plate

Product Guide

Why Fujifilm?

Fujifilm believes that our collective future of print is based on dynamic collaboration. Therefore, you deserve a partner who understands where you have been, where you are currently, and where you want to go. Fujifilm's business is anchored to the traditions of our industry and the historical relationship we have with the print community. When we combine our history of innovation and our commitment to product development with our enthusiasm for our customers' success, together we can achieve any vision you have for your company.

History of Innovation

The Fujifilm difference is supported by 4 pillars of strength. Our long history and countless milestone achievements are proof of both our longevity and dedication to this amazing industry. Fujifilm grew up in this business and there is no substitute for the collective experiences we have had and the depth to our understanding of the business. Our portfolio truly spans the entire print industry and is purely the result of the other pillars. Our history of innovation drives a culture of progress.

Global Strength

The culture within Fujifilm is rooted in respect and innovation. The care with which we engage clients and investment in solutions has been critical to our ability to create advances in technology and infrastructure. Being devoted to traditional business processes allows us to align with traditional hierarchy while also being innovative and disruptive. Our approach is born from mutual respect for others and a willingness to drive change.

Local Partner

Fujifilm Graphic Communication Division (GCD) is full of passionate team members. While globally, Fujifilm invests in Research & Development at a frenetic pace ($7 million dollars per day), locally, Graphics Communication Division (GCD) embraces a culture of relentless service & support. When it comes to innovation, we develop all our technology in house including printheads, inks, inkjet technology and image processing systems. And there is no better place to witness this than our remarkable Innovation Lab. Located in our North American Headquarters in Hanover Park, Illinois, just 30 minutes west of Chicago, the Fujifilm Graphics Innovation Hub (GIH) is here to showcase for you the newest innovations from Fujifilm's Graphic Communication Division. The GIH demonstrators have industry experience and are experts in the operation and use of our print equipment.

Broad Portfolio

The Fujifilm portfolio is broad and is the result of our history of innovation, our corporate reach, and our local connections. The breadth of our portfolio aims to fulfill every sector of the print market and continues to grow as our customer's needs grow. We aim to support the most progressive leaders, the maniacally detailed operators, the environmentally conscious, and the creatives that realize the impact that print can have on brand equity.

Breakthrough Technology

Fujifilm SUPERIA ZX is a processless thermal plate that utilizes four new breakthrough technologies pioneered by Fujifilm that provide speed and stability while improving press utilization to reduce startup and makeready waste.

Switching to processless plates has never been easier. Fujifilm has been at the forefront of printing and plates from its inception. Our latest innovation, Superia ZX Plates, will make the switch even easier. Remove timely steps, cut costs, all without losing productivity or performance. That is the Superia ZX Difference.

The decision to switch to a processless plate is as much a technical decision as it is a philosophical one. From a macro standpoint, a plate is simply one of the tools in the production process..."processless" is merely a technology. There are clear benefits to using processless plates, such as time and cost savings associated with processor maintenance, space and utility savings by completely eliminating the processor, as well as environmental considerations by creating a safer work environment by reducing chemical exposure. But do the benefits outweigh the cost of change? If a plate can suitably replace a "wet" plate in the pressroom that starts the discussion to convert.

"Moving to a processless plate was important to us for a variety of reasons. First and foremost the ability to save steps and save time and money. Also, being environmentally friendly is very important to us. Removing that step from the production of plates was a great move. Once we switched to the ZX plate, we immediately noticed the press operators were able to see the image on the place much clearer. They had a better idea of what exactly they were going to be printing."

Craig Ragsdale
Martin Printing

Why Switch To Processless?

The new Fujifilm Superia ZX plate is a breakthrough processless plate that delivers many new features to help offset printers integrate this plate into their complete production process flow: from prepress all the way through the pressroom operating environment.

In this newest generation of processless plate, Fujifilm leverages its core expertise in thin film layer coating to deliver the easiest to use processless plate. Benefit from features like:

Higher durability

ZX has improved durability by using Extreme Adhesive Bonding Technology for longer press runs that allows the user to expand the range of work being done with a processless plate while delivering better stability on press.

Improved visibility

Fujifilm applies a new High Color Generation technology that makes ZX easier to read by both prepress and pressroom personnel to detect job and content information to assist in reducing errors.

Robust scratch-resistance

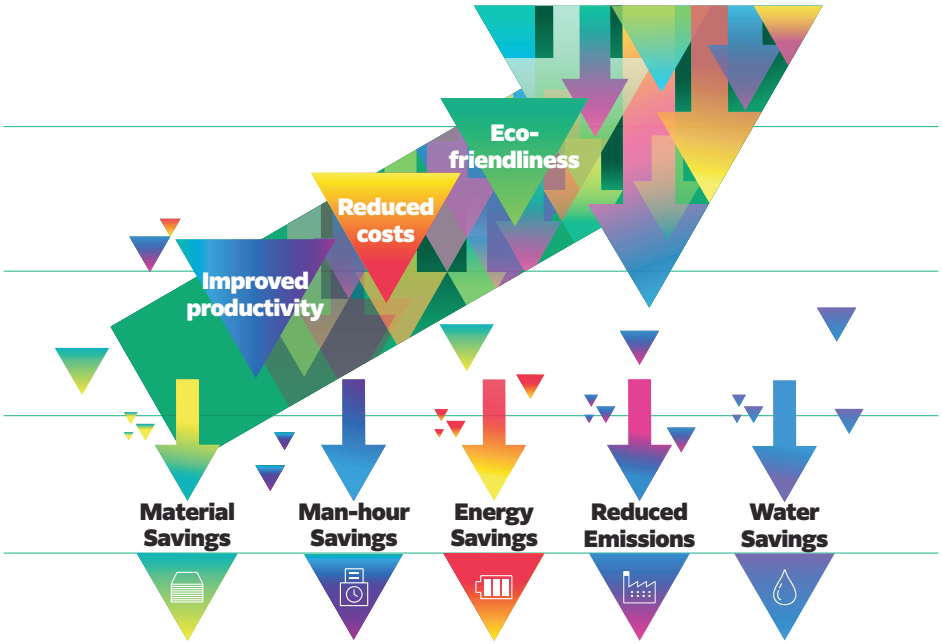
Processless Gumming Technology treats the aluminum surface to significantly reduce the risk of handling scratches and the resulting scratch ink stain. A key time savings feature endorsed by press operators.

Fast output

ZX is designed with Print Control Layer Technology to provide speed and stability while improving press utilization to reduce startup and makeready waste.

Resource Savings Lead To Profits

The Fujifilm Superia system can help reduce the consumption of paper, ink and the other main materials used in the offset printing process while conserving energy, lowering emissions and reducing water consumption. These savings, along with improved productivity through lower labor requirements, contribute to improved profits.



1. Material savings

Generally, paper and ink account for the greatest ratio of printing costs. Reducing these key materials is the first step in reducing costs. Among the different areas of resource savings, lowering the cost of paper and ink will lead to the clearest benefits in terms of increased profits.

2. Man-hour savings

Shortening working time and reducing production workload will reduce the number of people and working hours required for each process. Time that is saved can be assigned to other tasks, and shorter processes help enable quick turnaround times and increase capacity to handle more jobs.

3. Energy savings

Regardless of national and regional differences, the second highest ratio of printing costs after paper and ink is accounted for by fees for utilities such as electricity and gas. Conservation of energy is therefore an important factor in reducing costs and boosting profits.

4. Reduced emissions

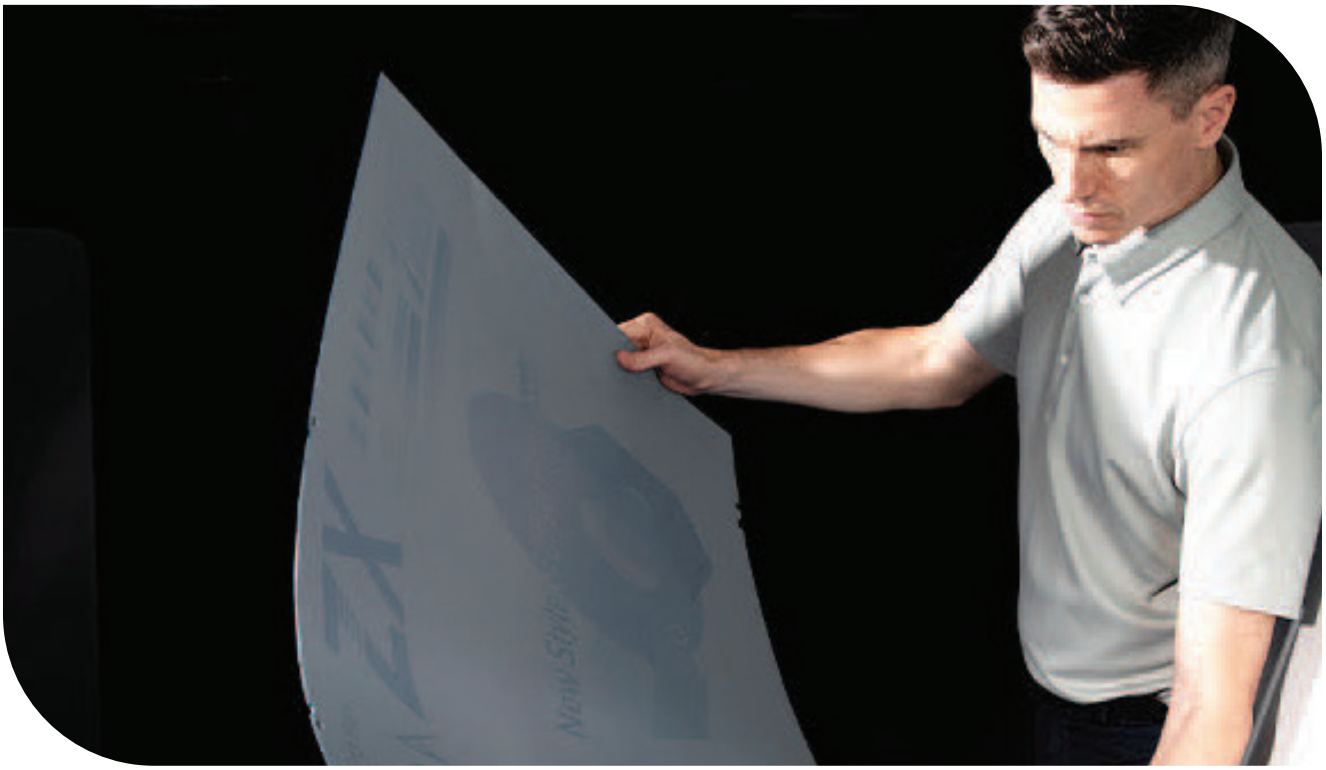
Avoiding the discharge of chemical waste liquids and exhaust gases not only helps protect the environment, but can also indirectly reduce costs.

5. Water savings

Water charges vary depending on the country and region, so the extent of cost reductions may differ, however reduced water usage lowers cost and reduces associated drainage processing costs.

The Fujifilm Green Policy

We at Fujifilm believe that "sustainable development" of the Earth, mankind, and companies in the 21is century is an issue that must be addressed with the highest priority. As a socially responsible corporation, we actively undertake corporate activities with our environmental values in mind. We strive to be a dedicated steward of the environment and assist our customers and corporate partners in doing the same.



Technical Specifications

Superia ZX Processless Thermal CTP Plate	
Concept	ZX is the newest generation of Fujifilm processless thermal plate utilizing four new breakthrough technologies pioneered by Fujifilm
Features	High color generation Extreme adhesive bonding technology Processless gumming technology Print control layer technology
Purpose	Improved ability to read job contents, job number and other critical markings making it easier for prepress and pressroom associates Longer press runs in a wider range of applications including UV Faster, more stable press startups to save time and reduce waste
Type	Negative working
Technology	True processless, on press developing technology Plate images & goes to press for development when starting the job
Sensitivity	110 mJ/cm^2
Tone Reproduction	AM200, 1-99% FM20 & 250 l.s. are applicable
Run Length*	Sheetfed & Web: Up to 200,000 impressions UV Ink: Up to 100,000 impressions *Run length will vary based on press, ink, chemical, paper and screening used
Platesetter Compatibility	Screen: • All fiber diode machines • 8900 GLV machines • VLF, when equipped with factory installed s-media kit Kodak: • Qualified Heidelberg: • Qualified

FUJIFILM
Value from Innovation

Find more information at:
print-us.fujifilm.com

Fujifilm Graphic Communication Division

@WatchFujifilm

@FujifilmGS

FUJIFILM North America Corporation | Graphic Communication Division | contactgraphics@fujifilm.com | print-us.fujifilm.com

FF_SuperiaZX_BR_rev1_2023