

# GemPlate™

## Chemistry-Free Develop On Press Thermal Plates



- Streamlines production
- Visible image after exposure
- Reduces platemaking costs
- Eliminates processing
- Eliminates chemistry
- Images on 830 nm CTP systems
- Fewest steps from platesetter to pressroom

## Introducing the all new Presstek GemPlate

**A chemistry-free, develop on press plate that's better for your business and better for the environment.**

Presstek continues its legacy of engineering solutions that remove complexities, chemistry, and waste from the print production process. GemPlate minimises the environmental impact and financial costs associated with other platemaking methods that are more labor intensive and chemistry-reliant. Such expenses can account for 10 to 35 percent of plate production costs. The all new GemPlate is 100% chemistry-free and processor-free, offering the fewest steps from platesetter to press. Traditional intermittent steps to ready the plate for press are eliminated—pre-baking, post-baking, gumming, treatments, special handling, or processing with chemistry or rinsing with water are unnecessary.

With press runs growing shorter, fast and reliable platemaking—with lower costs—becomes more essential for profitability. Providing lower prepress costs and higher reliability, GemPlate is an effective solution for streamlining platemaking, accelerating prepress production, and raising profitability. Quick roll-up accelerates press makeready and job turnaround.

# GEMPLATE™

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## DEVELOP ON PRESS



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## DEVELOP ON PRESS



### GemPlate Simplicity

Using GemPlate is simple. The plate can be imaged on a industry standard 830 nm platesetter. Once imaged, mount on press and print! The press fountain solution and ink remove the plate's unexposed areas, "developing" a polymerized, hardened, exposed ink-receptive image area. GemPlate significantly improves platemaking efficiency, removing processing variables so you can easily achieve fast turnaround, high quality, profitable printing. In addition to a streamlined workflow, GemPlate results in high resolution and sharp, repeatable, consistent colour images.

### Experience the Environmental and Efficiency Benefits of GemPlate



### GemPlate Specifications

Plate Type	Negative, non ablative
Substrate	Grained and anodized aluminium
Plate Sizes <sup>1</sup>	Common press sizes are available
Plate Thickness <sup>2</sup>	.006", .008" and .012" (.15 mm, .20 mm and .30 mm)
Run Length <sup>3</sup>	Up to 100,000 impressions
Spectral Sensitivity	Thermal lasers outputting at 830 nm
Light Sensitivity	Normal room lighting up to 8 hours
Storage	Up to 1 year
Processing	Develop on press
Imaging Resolution	2-98% at 200 lpi screening, supports FM (stochastic) screening
Operating Environment	40-60% RH, 60-70° F (16-24° C)



Contact us to learn more about eco-friendly solutions from Presstek.

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<sup>1,2</sup> Not all sizes available in all thicknesses. Contact Presstek for availability. Special sizes and gauge thicknesses are also available.  
<sup>3</sup> Actual run lengths may vary according to press, ink and paper conditions.  
 Product specifications are subject to change.