

Zahara™ Waterless Plates

Thermal CTP Plate for Waterless Offset Printing

- For sheetfed and web presses
- 830 nm spectral sensitivity
- Just image and rinse
- Lower platemaking costs
- 200 lpi screening
- Excellent ink roll-up and solid densities
- Up to 100,000 impressions
- UV applications
- Environmental benefits

Chemistry-free Zahara plates enable you to fully realize the accuracy, superior image reproduction, and efficiency of both waterless printing and digital CTP plate production. Zahara plates utilize thermal laser imaging, a daylight-safe digital process. Thermal laser imaging produces plates that are ideally suited for waterless printing—with extremely well defined, hard-edged halftone dots. Zahara plates are engineered to maximize both the performance of thermal laser CTP systems and waterless presses. Zahara provides a sharper, cleaner, more reliable and cost-effective alternative to other waterless plates on the market.

Higher Efficiency in Platemaking

In addition to excellent on-press performance, Zahara plates raise the efficiency and productivity of your prepress operation by eliminating processing variables, reducing material and labor costs, streamlining workflow, and increasing consistency and quality. No preheating, chemical processing, gumming or baking is required. Once imaged, a simple cleaning with water makes the plates ready to print!

On-press Performance

Zahara addresses the majority of waterless sheetfed and narrow web press platforms. It is ideal for small, half- and mid-size sheet formats, labels, packaging, and plastic cards. It offers extremely high solvent resistance, compatibility with UV printing environments, and run lengths up to 100,000.

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Better for Your Business. Better for the Environment.

Once imaged, a simple rinse in a water wash unit is all that's needed. Finally, a true eco-friendly plate for waterless press platforms is available! The cost, care, maintenance, messiness, and final disposal of chemistry-based systems disappears.

Because the cost of imaging chemistry and additional costs associated with it can account for 10 to 20 percent of platemaking costs, chemistry-free Zahara delivers competitive advantages, a price/performance level superior to other waterless plates, and lower overhead. Zahara delivers significant advantages over competing plates—both in prepress and the pressroom—resulting in higher productivity and lower costs for your business.

Zahara's chemistry-free feature extends the environmental advantages of your waterless presses, further reducing VOCs and eliminating the storing, handling and disposing of imaging chemistry. Furthermore, no dye solutions are required to process the plate. In today's market, green solutions provide additional value by helping printers differentiate their business and appeal to new customers.



Key Benefits of Zahara:

- True chemistry-free platemaking
- After imaging, just rinse in wash unit
- Eliminates variables caused by developer condition
- Simplifies processor maintenance
- Lowers prepress costs
- No cover film to remove
- Better image contrast for visual inspection
- Non-proprietary plate—can be used on a range of manufacturers' 830 nm thermal systems
- Run lengths up to 100,000
- Images up to 200 line screen
- Solvent and scratch resistance
- Compatible with UV printing

Zahara CTP Plate Specifications

Plate Type	Waterless, negative working
Substrate	Aluminium
Plate Sizes ¹	Common press sizes are available
Plate Thickness ²	.15 mm, .20 mm and .30 mm (.006", .008" and .012")
Run Length ³	Up to 100,000 impressions
Spectral Sensitivity	Thermal (diode and YAG) lasers, 830 nm
Light Sensitivity	Full daylight handling and operation up to 4 hours
Storage and Reuse	Up to 18 months
Processing ⁴	Chemistry-free; no processing other than cleaning with water after imaging; no preheating; no baking or gumming
Imaging Resolution	200 lpi screening
Operating Environment	Daylight, 40–60% RH, 16–24° C (60–70° F)

^{1,2} Not all plate sizes are available in all thicknesses. Contact Presstek for availability. Special sizes and gauge thicknesses are also available.

³ Actual run lengths may vary according to press, ink and paper conditions.

⁴ Requires the use of a qualified washer for cleaning. Your current processor may qualify.

Product specifications are subject to change.

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