

Presstek Compass[®]

Chemistry-free Thermal CTP

- Four-page and Eight-page Models
- Price and Performance Choices
- Automation and Ease-of-Use
- Fast Imaging, High Throughput
- Outstanding Image Quality
- Images Presstek Chemistry-free Aurora Pro Plates



Presstek Compass®

High Speed and Productivity with Chemistry-free CTP

Presstek Compass CTP systems provide high performance and increase productivity to make your business more capable, profitable and competitive in today's marketplace. Combined with Presstek's chemistry-free Aurora Pro plates, Compass thermal imaging systems significantly reduce the amount of time, labor and materials required for platemaking. Compass delivers speed, high throughput, and a consistent, reliable supply of high resolution plates for your presses.

Compass is a smart choice for any size printing business looking to expand, better respond to customers' needs, and lower the costs of platemaking. Compass systems are available in four-page and eight-page models. Price and performance choices are offered in each model.



Compass CTP systems offer maximum efficiency, outstanding image quality, and ease-of-use. Modular design allows for automation upgrades, so your Compass system can grow with your business.

Take Your Business in the Right Direction

Be More Capable

The easy operation of Compass and imaging speeds up to 38 plates per hour enable you to process jobs more quickly, and respond to short lead times and last minute changes. High resolution output and the exceptional performance of Aurora Pro meet the most demanding applications. Variable continuous resolution allows you to match the resolution to the job's requirements. With automated, continuous operation, plates are always ready when you need them.

Be More Profitable

Presstek CTP eliminates all the costs associated with chemicals and processors. By using chemistry-free Aurora Pro, you remove time-consuming steps, reduce labor, and conserve valuable floor space. You eliminate expensive remakes caused by variables in chemistry, exposure and human error. You also significantly reduce the environmental costs of platemaking.

Be More Competitive

Platemaking with Compass and Aurora Pro is far more accurate and reliable. Fast response times and lower pre-press costs enable you to better capitalize on the growing demand for short-run, fast turnaround printing, while also improving the productivity of your operation. With no delays in platemaking, you can produce more jobs every shift, without compromises.



Compass 4038 with multi-cassette autoloader

The Solution that Fits Your Business

Compass 4000 Series

Compass 4015 and 4038 models are 4-page platesetters with true six-up drum size, allowing you to image a wide range of plate sizes to increase your efficiency and capabilities.

Compass 4015 images up to 15 plates per hour.

Compass 4038 images up to 38 plates per hour.

Compass 8000 Series

Compass 8022 and 8030 models are 8-page platesetters capable of imaging plates up to 37.4" x 45.7"

(950 mm x 1162 mm). Compass 8022 and 8030 throughput is up to 22 or 30 plates per hour, respectively.

High Productivity with Continuous Loading

The Compass system design features continuous loading, which moves plates through the system in parallel. While one plate is being imaged, another is already loaded and waiting. At the same time, queue management controls all the plates in process. Inline registration is automatic.

From Continuous Loading to Total Automation

While all base model four- and eight-page systems are semi-automatic, featuring Continuous Loading, you can choose from several options to further increase automation and productivity.



Compass 8030 with single-cassette autoloader

Optional autoloaders are available in single-cassette or multiple-cassette units. The multi-cassette autoloader provides complete production flexibility: each cassette holds plates of different sizes and can be reloaded without interrupting production. 8000 series multi-cassette autoloaders can be configured to extend left or right to accommodate your floor plan.

An inline standard or customized punch option is available with each choice of autoloader.

Modular Upgrades

Upgrade your Compass system at any time. All automation options can be installed at your site.

Connectivity

Through the use of 1-bit tiff files, Compass systems are compatible with a wide-range of industry standard workflows.

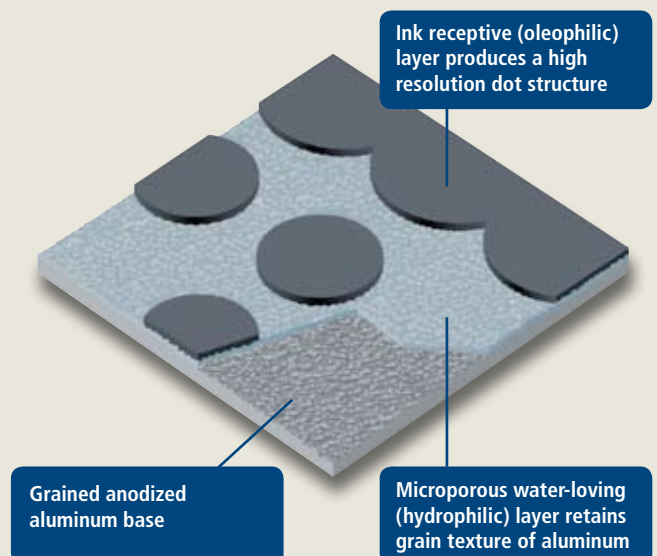


Chemistry-free Aurora Pro

Presstek's chemistry-free Aurora Pro thermal CTP plates deliver the reliability and performance of traditional grained anodized aluminum plates without the problems and expense of chemical plate processing. Daylight-safe Aurora Pro plates require only a simple wash with water and they are ready for printing.

Presstek's exclusive Pro graining provides exceptional ink/water latitude, resulting in faster roll-up and stable color throughout the press run.

- Streamlined production: no chemical processing, baking or gumming is required
- High resolution dot structure with sharp edges and image definition
- Performance matched for high-speed imaging
- Excellent ink/water balance properties
- Positive imaging
- High productivity in pre-press and the pressroom
- Environmentally-friendly



Presstek Compass 4000 Series Specifications

Technology	830 nm thermal laser imaging, external drum
Media Type	Presstek chemistry-free Aurora Pro grained aluminum plates for run lengths up to 25,000; or other IR-sensitive aluminum plate media, 830 nm
	Media Size Around Drum: 26.96" (685 mm) maximum; 11.82" (300 mm) minimum
	Along Drum: 30" (762 mm) maximum; 9.0" (228 mm) minimum
	Plate Thickness: 6 to 12 mil (0.15 to 0.3 mm)
Throughput*	Compass 4015 – Up to 15 plates per hour; Compass 4038 – Up to 38 plates per hour
Resolution	Continuous variable resolutions of 2032 to 3048 dpi (80 to 120 dpmm)
Screen Ruling	Images up to 250 line screen
Load/Unload	Base Models: Continuous load, semi-automated
	Optional single-cassette automated unit: Fully automated; holds up to 60 plates of the same size and thickness; automatically removes slip sheets
	Optional multi-cassette unit: Fully automated; holds up to 180 plates in three cassettes, each cassette containing up to 60 plates of the same size and thickness; automatically removes slip sheets. Compass automatically selects the required cassette based on the job definition.
	<i>(Cassettes can be by-passed by directly inserting a plate via the loading conveyor.)</i>
Inline Punch	Optional with either automated plate loading cassette unit or semi automatic configuration. Up to 6 punch heads. Choose from a list of qualified punches.

Presstek Compass 8000 Series Specifications

Technology	830 nm thermal laser imaging, external drum
Media Type	Presstek chemistry-free Aurora Pro grained aluminum plates for run lengths up to 25,000; or other IR-sensitive aluminum plate media, 830 nm
	Media Size Around Drum: 37.4" (950 mm) maximum; 13" (330 mm) minimum
	Along Drum: 45.7" (1162 mm) maximum; 15" (381 mm) minimum
	Plate Thickness: 6 to 16 mil (0.15 to 0.4 mm)
Throughput*	Compass 8022 – Up to 22 plates per hour; Compass 8030 – Up to 30 plates per hour
Resolution	Continuous variable resolutions of 2400/1200 dpi or 2540/1270 dpi
Screen Ruling	Images up to 250 line screen
Load/Unload	Base Models: Continuous load, semi-automated
	Optional single-cassette automated unit: Fully automated; holds up to 100 plates of the same size and thickness; automatically removes slip sheets
	Optional multi-cassette unit: Fully automated; holds up to 300 plates in three cassettes, each cassette containing up to 100 plates of the same size and thickness; automatically removes slip sheets. Compass automatically selects the required cassette based on the job definition.
	<i>(Cassettes can be by-passed by directly inserting a plate via the loading conveyor.)</i>
Inline Punch	Optional with either automated plate loading cassette unit. Up to 10 punch heads. Choose from a list of qualified punches.

*Throughput may vary depending on plate type and sensitivity. Specifications are subject to change.



Service and Support

Presstek is committed to providing you the highest levels of service and support for your Presstek products. Presstek's unparalleled expertise in laser imaging technology combined with our extensive service experience brings you the leading support in the industry. Expert installation, training and maintenance will support your investment, so it will pay dividends quickly and reliably for years to come.



A Sustainable Future

For over 20 years, Presstek has been an innovator in changing the way printing is manufactured. Presstek led the industry with the world's first thermally-imaged chemistry-free printing plates. Today, Presstek's digital offset solutions continue to lead the industry to a more profitable, responsive and sustainable future.

For more information about
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Printed with Presstek chemistry-free digital offset technology on Chorus Art 100lb. Silk Cover. Chorus Art stock contains 50 percent recycled fiber, including 25 percent post-consumer waste, and is Forest Stewardship Council certified.

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A SMARTER WAY TO PRINT