



PRESSTEK CTP

FOR HIGHER PRODUCTIVITY & PERFORMANCE



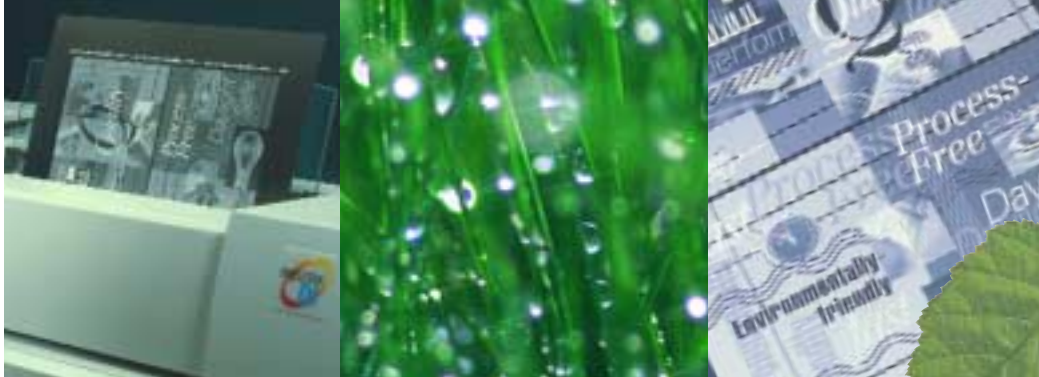
THERMAL • DAYLIGHT-SAFE • PROCESS-FREE

“The CTP system that I invest in will dramatically improve my platemaking and printing capabilities. The right CTP system will be faster, better, easy-to-use, and affordable. I require the lowest cost per page and improved performance on press — without any compromises.”



PRESSTEK CTP

FOR HIGHER PRODUCTIVITY & PERFORMANCE



Presstek products are *a smarter way to print*.

Presstek has revolutionized printing by making faster throughput, higher quality, and lower cost a reality for commercial printers worldwide.

Presstek thermal imaging and no-process plates drive the industry's leading DI® presses, while also delivering the highest efficiencies possible from CTP workflow—saving time and money while providing distinct prepress and press room advantages over conventional and other CTP plates. And, by eliminating chemistry and waste materials from the platemaking process, Presstek CTP significantly reduces the environmental impact of your operation.

Dimension® platesetters, with Presstek chemistry-free and no-process CTP plates bring many of the advantages of Presstek DI to printers using conventional offset presses, resulting in increased plate production and improved pressroom operation. That's a high yield on your investment.

Look inside PRESSTEK CTP... you will discover *a smarter way to print*.



“Our investment in Presstek CTP is paying dividends every day.”

A smart investment maximizes return and minimizes risk. There's no smarter investment in CTP than one that provides the most benefits, along with a low cost of acquisition and ownership.

Simpler, faster workflow

Presstek CTP is fast, easy, proven, and affordable prepress technology that fits your current digital workflow and pressroom procedures.

Thermal laser imaging

Dimension platesetters use thermal imaging technology that maximizes the efficiency of CTP by eliminating all the steps, chemicals and materials associated with film-based imaging, and many of those associated with other CTP processes as well. With a direct path from digital files to completed plates, you'll eliminate the variables and inconsistencies that occur in conventional processes and other CTP workflows. You'll save time, labor and materials.

Image and print

No other plate increases productivity more than Presstek's. Presstek CTP is daylight-safe and requires no chemical developing. Anthem®, the industry's first chemistry-free plate, requires nothing more than a simple rinse with water. Applause, Presstek's no-process plate, provides one-step, image-then-print platemaking...Applause is ready for the pressroom immediately after imaging.

No compromises

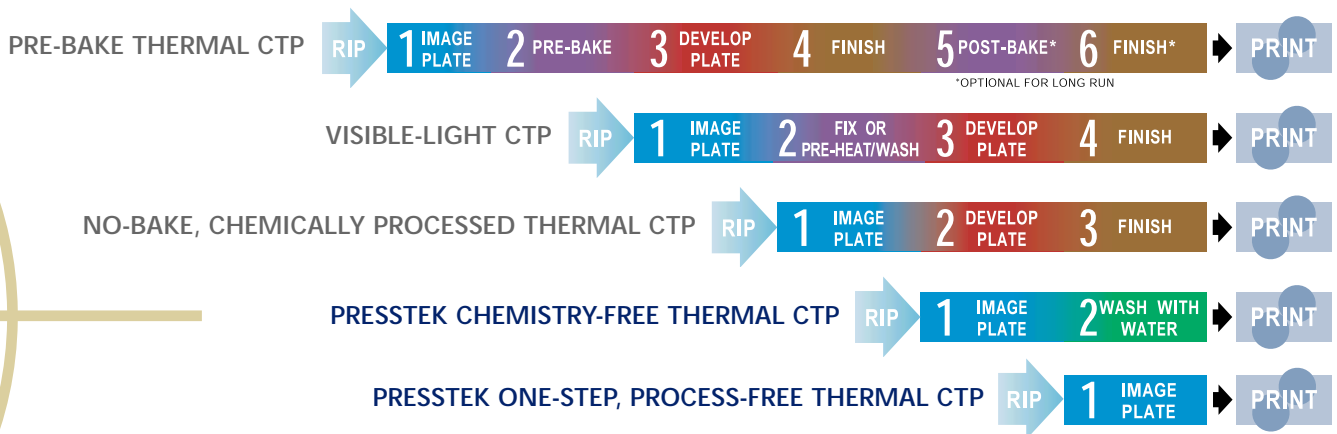
In addition to significantly enhancing productivity in the prepress department, Presstek CTP also improves productivity in the pressroom. Presstek plates perform on press without compromises. While delivering all the familiar performance characteristics of conventional aluminum plates, Presstek's unique surface structure results in exceptionally fast makeready, higher ink/water latitude, and excellent durability.

A complete system

Presstek chemistry-free plates and Dimension platesetters provide a unique system for higher productivity, cleaner operation and lower cost. It's a smart CTP investment strategy...and *a smarter way to print.*

The ease-of-use of Dimension platesetters and a versatile interface combine with the simplicity of imaging on Presstek plates.





Look at the advantages of Presstek CTP:

Daylight-safe operation

Handling and imaging plates in normal room lighting eliminates the costs and special provisions for safe-light and darkroom conditions.

Chemistry-free platemaking

Presstek CTP is chemistry-free. Besides eliminating processing chemistry, Presstek CTP plates require no gumming, baking, or special cleaning fluids.

Consistency and repeatability

Presstek thermal CTP produces the highest quality output, free of the inconsistencies in image quality associated with emulsion variances, processor condition, chemical aging, exposure problems, and environmental changes.

Low impact installation

Freedom from chemical processing and baking, the compact size of Dimension platesetters, and operation in normal room conditions allow Presstek CTP to fit any plant layout.

Easy operation

Presstek CTP systems are designed for maximum ease-of-use. Requiring far fewer steps to produce plates, your entire platemaking operation is streamlined.

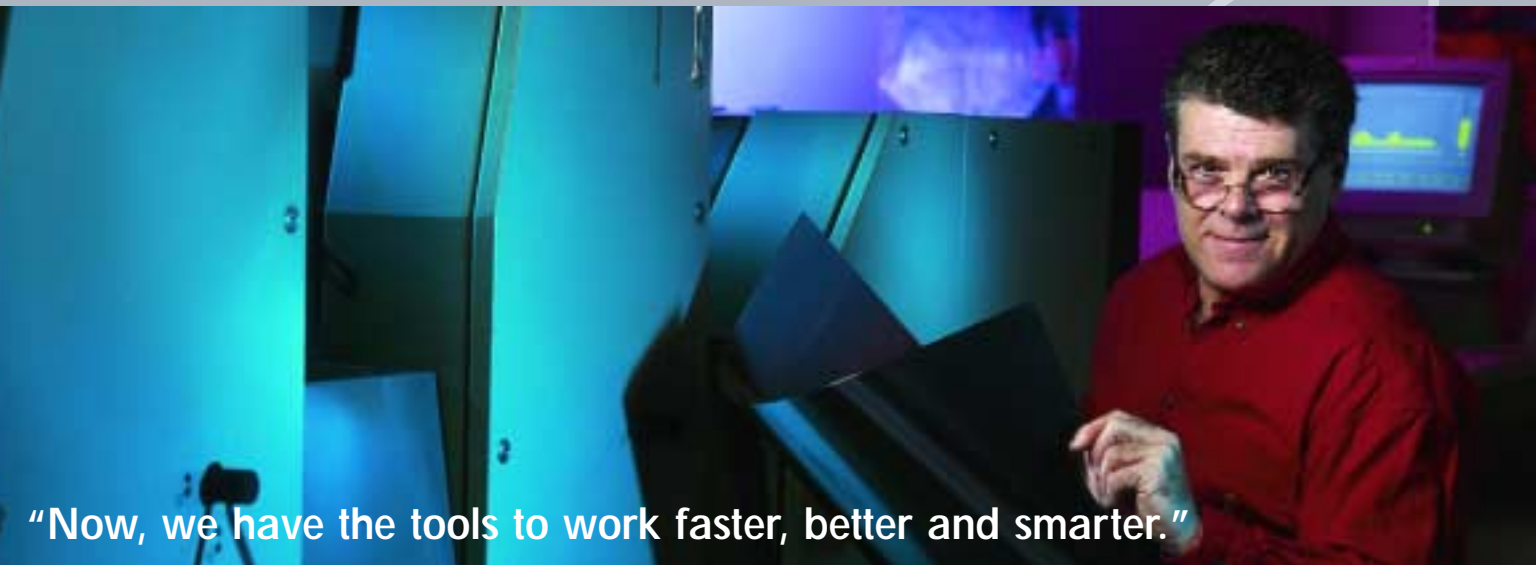
Lower cost ownership

Presstek CTP lowers costs in the short-run, *and in the long-run*. The savings in time, materials and labor mean lower overhead in your platemaking operations. And, from imaging heads to plates, the reliability and performance of Presstek thermal imaging products are proven in thousands of CTP installations and direct-to-press imaging applications with the world's leading press manufacturers. More Presstek thermal imaging heads are installed worldwide than any other thermal imaging device.

With the fewest number of steps from RIP to press, a Presstek CTP system can produce more plates at a lower cost – without chemistry. On press, Presstek plates provide fast roll-up and run lengths to 100,000 – without baking.



The compact size of Dimension platesetters and the daylight-safe, chemistry-free imaging of Presstek plates fit any plant layout.



“Now, we have the tools to work faster, better and smarter.”

Presstek CTP plates and Dimension platesetters are the right tools to increase profitability. In addition to features that make them easy to use and streamline workflow, Presstek CTP systems offer compelling performance advantages as well.

Presstek thermal CTP plates

- **Presstek CTP plates** combine the benefits of daylight-safe, chemistry-free, no-process imaging with exceptional print performance. Presstek delivers the full potential of CTP without compromise.
- **Presstek CTP plates provide faster roll-up and makeready**, greater ink/water latitude, and less chemical consumption on press than conventional offset plates and other CTP plates. Presstek CTP plates also accommodate a wide range of industry standard inks and fountain solutions.
- **High definition.** High resolution and sharp, well-defined images are characteristic of thermal laser ablation technology. Thermal imaging results in highly accurate and repeatable performance on press, including excellent inking.

Presstek CTP delivers sharp, well-defined and highly repeatable images.

- **Presstek CTP plates are durable**, with run lengths up to 100,000 impressions and a long shelf-life.
- **Presstek offers versatility.** Plates are available in sizes to fit most presses – from small duplicators to half-webs, up to a full 8-page (40-inch/102cm) format. Presstek CTP plates also offer a broad thermal sensitivity range (800nm-1200nm) and can be imaged on leading thermal platesetters.



New dimensions of performance and versatility

Dimension platesetters give you the speed, versatility and performance needed to meet the schedules and quality your customers demand.

■ Presstek's imaging brings unparalleled reliability and performance to Dimension platesetters. Integrating our multiple laser diode arrays and fast laser drivers into a unified module results in fast, high resolution, and high quality imaging without artifacts.

■ At 2540 dpi the Dimension200 and 400 image a plate in 3.1 minutes. The Dimension800 images a plate in 5.1 minutes.

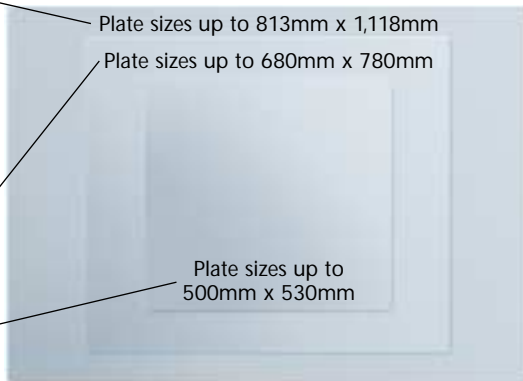
■ Choose from three models of Dimension platesetters to meet your press requirements.



Dimension800 – with a footprint of only 185cm x 84cm (73" x 33"), the Dimension800 is one of the most compact eight-page platesetters available

Dimension400 – its four-page format accommodates most popular press sizes and publication formats

Dimension200 – upgradeable at your site to a Dimension400



Minimum size plate for the Dimension200 and 400 is 240mm x 240mm (9.5" x 9.5").
Minimum size for the Dimension800 is 240mm x 292mm (9.5" x 11.5").

Innovative software utilities

Open to leading digital workflow systems.
All Presstek CTP systems are capable of using industry-standard 1-bit TIFF files output from most modern workflow systems. Presstek's open architecture ensures that your current investment in a digital workflow system can continue to power your new CTP system – as well as maintaining an open door for future upgrades and enhancements.

Presstek DI-tools enable your prepress personnel to work faster and smarter.
Presstek DI-tools are easy-to-use and indispensable utilities that enhance digital workflow and increase the productivity of your prepress department.

DI-merge allows your prepress operators to combine multiple post-RIP files into one, saving materials and time when outputting.



DI-view allows on-screen soft proofing of RIPed files prior to imaging – resulting in less waste and shorter time to completion.



DI-write automates the conversion of 1-bit TIFF bitmap files into Presstek DI-file format, adjusting file header information while maintaining bitmap image integrity.



Presstek Thermal CTP Plates



Chemistry-free thermal CTP plates for wet offset

Plate type	Thermal Positive writing
Plate substrate	Anodized Aluminum
Plate size	2-page, 4-page and 8-page formats ¹
Minimum size	240mm x 292mm (9.448" x 11.496")
Maximum size	813mm x 1118mm (32.008" x 44.015")
Plate thickness	.15mm, .20mm and .30mm ² .006", .008" and .012" ²
Processing and preparation	Simple cleaning with water; no baking or gumming
Shelf-life	Two years



Process-free thermal CTP plates for wet offset

Plate type	Thermal Negative writing
Plate substrate	Aluminum
Plate size	2-page, 4-page and 8-page formats ¹
Minimum size	240mm x 292mm (9.448" x 11.496")
Maximum size	1080mm x 1308mm (42.5" x 51.5")
Plate thickness	.20mm and .30mm ² .008" and .012" ²
Processing and preparation	None required. Just image and print.
Shelf-life	Two years

Additional Specifications: All plates

Exposure	Thermal laser
Spectral sensitivity	Thermal (diode and YAG) lasers, 800-1200 nm
Safelight sensitivity	Full daylight operation
Chemistry	Not required
Operating environment	Daylight-safe; 60 - 75° F Normal pressroom or prepress area conditions
Plates per box	25, 50 or 100 (size dependent)

¹ The most popular press sizes are available. Contact Presstek or your distributor for availability.

² Not all plate sizes are available in all thicknesses. Contact Presstek or your distributor for availability.

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Dimension Thermal CTP Platesetters

Dimension800

Maximum plate size	813mm x 1118mm (32.008" x 44.015")
Minimum plate size	240mm x 292mm (9.448" x 11.496")
Maximum image size	793mm x 1118mm (31.220" x 44.015")
Weight	2150 lbs. (975kg)
Dimensions	185cm x 84cm x 127cm (L x W x H) 77" x 33" x 50"

Dimension400

Maximum plate size	680mm x 780mm (26.771" x 30.708")
Minimum plate size	240mm x 240mm (9.448" x 9.448")
Maximum image size	604mm x 750mm (23.779" x 29.527")
Weight	1200 lbs. (540kg)
Dimensions	153cm x 77cm x 127cm (L x W x H) 60" x 30" x 50"

Dimension200

Maximum plate size	500mm x 530mm (20" x 21")
Minimum plate size	240mm x 240mm (9.448" x 9.448")
Maximum image size	470mm x 530mm (18.503" x 20.866")
Weight	1200 lbs. (540kg)
Dimensions	153cm x 77cm x 127cm (L x W x H) 60" x 30" x 50"

Additional Specifications: All Models

Media	Dimension systems are designed to work as a system with Presstek thermal printing plates.
Resolutions	2540 dpi (100 dpmm)
Imaging time	Dimension 200 and 400: 3.1 minutes per plate Dimension 800: 5.1 minutes per plate (2540 dpi at maximum plate size)
Screen rulings	Up to 200 line screen
Pin register system	Media is punched prior to imaging. Two register pins on cylinder (image centered to pins) Dimension200: 220mm, 425mm Dimension400: 220mm, 425mm, 550mm Dimension800: 220mm, 425mm, 550mm, 780mm
Operating environment	Daylight-safe 60 - 75° F 40 - 80% relative humidity (non-condensing) Press room, prepress, or general office environment
Voltage	200 to 240 VAC
Frequency	50 to 60 Hz
Current	25 amp, single phase (Dimension 200 and 400) 30 amp, single phase (Dimension 800)

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Product information and specifications are subject to change without notice.

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Printed using Presstek CTP plates imaged on a Dimension400 platesetter