

Presstek Dimension Excel

High Performance Chemistry-free CTP



Presstek Dimension Excel: High Performance Chemistry-Free CTP



DIMENSION
E · X · C · E · L



Presstek Dimension Excel: A high-performance system that will streamline your workflow and lower costs

Presstek's Dimension Excel is a versatile, high performance, CTP system that streamlines workflow—imaging your digital files directly to high resolution thermal plates for superior printing performance. The Dimension Excel is affordable, delivers high-quality imaging, is easy to use, and is based on industry proven technology.

Dimension Excel employs daylight-safe, chemistry-free thermal imaging technology. Gone is the need for special lighting environments and plate processor maintenance. All chemical developer costs are completely eliminated including storage and disposal. There is no need to clean, monitor or maintain the processor. And there are no more remakes due to exposure or vacuum frame deficiencies or errors. The result is a significant reduction in platemaking costs.

Dimension Excel delivers all the quality needed to satisfy the toughest market requirements.

For every type of offset printing, from annual reports and art posters to packaging and labels, the Dimension Excel produces plates quickly, cost-effectively, with the quality you and your customers demand.

The combination of Dimension Excel platesetters and Presstek's chemistry-free plates provides an optimized system for higher productivity, cleaner operation and lower cost. It's a smart CTP investment strategy... and a smarter way to print.

Dimension Excel is a four-page device and can be configured as a standard (Dimension425) or high production (Dimension450-AL) platemaker. The Dimension 450-AL Excel is equipped with an automatic plate loader and outputs plates to an automated water wash system.

ProFire Excel:

Dimension Excel CTP systems are enabled by Presstek's ProFire Excel imaging technology which takes full advantage of over a decade of research and development efforts and the experience of thousands of installations worldwide.

ProFire Excel brings together all of the imaging components—high power infrared laser diodes, laser driver and data electronics, and motion control into one compact imaging system.

ProFire Excel offers:

- Rock-solid reliability
- Superb quality
- Fast and accurate imaging
- Durability

	High Productivity Model	Standard Model
Model	Dimension450-AL Excel	Dimension425 Excel
Format Size	Four-page	Four-page
Throughput	Up to 17 plates per hour	Up to 11 plates per hour
Plate Handling	Automatic plate loading with output to an automated water wash system	Semi-automatic

PROFIRE
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Experience the Benefits of Presstek Dimension Excel CTP

Daylight-safe operation

Presstek thermal plates have no sensitivity to visible light. Handling and imaging plates in a daylight environment improves productivity and eliminates the costs and special provisions associated with safe-light and darkroom conditions.

Chemistry-free platemaking

Dimension Excel systems are chemistry-free. Besides eliminating processing chemistry, Presstek CTP plates require no gumming, baking, or special cleaning fluids.

Consistency and repeatability

Presstek 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.

Reliability

From imaging technology to plates, the reliability and performance of Presstek thermal imaging products are proven in thousands of installations worldwide. Presstek has installed more thermal imaging heads than any other thermal imaging manufacturer in the graphic arts industry.

Low impact installation

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



Easy operation

Dimension Excel systems are designed for maximum ease of use and require far fewer steps to produce plates, streamlining your entire platemaking operation.

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. With the fewest number of steps from RIP to press, a Presstek CTP system can produce more plates at a lower cost. On press, Presstek plates provide fast roll-up and run lengths up to 100,000—without baking. The daylight-safe, chemistry-free imaging of Presstek plates and compact size of Dimension platesetters make for an easy transition to Presstek CTP in any shop layout.

Anthem Pro Chemistry-free plates

Presstek's Anthem Pro CTP plates bring you the reliability and durability of grained anodized aluminum plates without the hassle or expense of traditional plate processing. Eliminating chemical processing, baking and gumming means lower costs, fewer inconsistencies, and faster makereadies.



CHEMICALLY DEVELOPED
PRE-BAKE THERMAL CTP



CHEMICALLY DEVELOPED
VISIBLE-LIGHT CTP



NO-BAKE, CHEMICALLY
DEVELOPED THERMAL CTP

ANTHEM PRO



PRESSTEK CHEMISTRY-FREE
THERMAL CTP

Presstek Dimension Product Specifications

Dimension425/450-AL Excel

Maximum Plate Size (L x W)	26.771" x 30.708" (680 x 780 mm)
Minimum Plate Size (L x W)	425 Excel: 12.598" x 9.448" (320 x 240 mm) 450-AL Excel: 10.60" x 9.448" (270 x 240 mm)
Maximum Image Size (L x W)	25.196" x 30.236" (640 x 768 mm)
Throughput	450-AL Excel: Up to 17 plates per hour 425 Excel: Up to 11 plates per hour

Common Specifications

Imaging Technology	Presstek's ProFire Excel
Plate Media	Presstek Anthem Pro
Resolution	2540 dpi (100 dpmm)
Operating Environment	Daylight-safe; 60–75° F; 40–80% relative humidity (non-condensing) prepress or general office environment
Power	Three lines at: 200–240 VAC, 50–60 Hz, 13 amps minimum (single phase)
Compressed Air (Customer Supplied)	Dimension450-AL requires dry filtered air 90 PSI and capable of 3CFM
Weight	2,000lbs (900 kgs)
Dimensions (L x W x H)	58" x 33" x 58" (146 x 83 x 146 cm)
Auto Loader Dimension450-AL Excel	Automatic plate loading of multiple sizes and thickness, accepts twenty 12 mil plates or twenty-five 8 mil plates or thirty 6 mil plates
Upgrade Options	<ul style="list-style-type: none"> Automated plate cleaning (transport, plate cleaner, and stacker)* <p>* Required for Dimension450-AL Excel</p>



Specifications are subject to change without notice.



Service and Support

Presstek provides an integrated support network of field engineers, customer care representatives, technical support engineers, and on-board monitoring of digital systems—all supported by advanced information technology systems. Expert installation, training and maintenance supports your investment so it will pay dividends quickly and reliably for years to come.

For more information about Presstek DI and CTP solutions:

Presstek, Inc.

55 Executive Drive
Hudson, NH 03051 USA
Tel: 603-595-7000
www.presstek.com



Printed with a Presstek DI press 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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