

Presstek Vector FL52

High Productivity Chemistry-free CTP

- High Resolution Metal Plate Solution
- Saves Time, Labor and Materials
- Chemistry-free, Daylight-safe
- Easy to use
- Compact Design
- Environmentally-friendly



Presstek Vector FL52: High Productivity Chemistry-free CTP

Low-cost Two-page Metal Platemaking



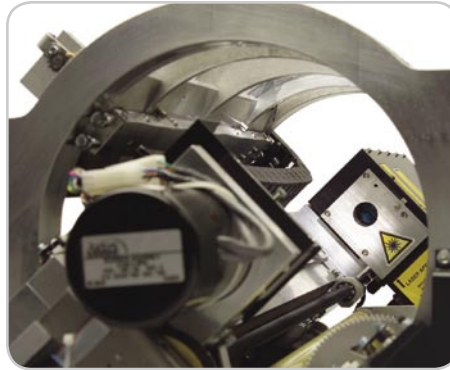
A Presstek Vector FL52 thermal platesetter and Presstek Freedom Pro chemistry-free plates provide the short-run, small format (52 cm and under) printer with a unique metal platemaking solution for higher productivity, cleaner operation and lower materials and production costs. The system is designed for maximum ease-of-use to streamline your entire platemaking operation while delivering the speed, quality and performance you need to meet customer demands.

Its compact size and ability to operate in normal conditions allow this CTP unit to fit into virtually any commercial environment. Handling and imaging plates under normal daylight conditions eliminates the costs and special provisions required for safe-light and darkroom processing.

The Vector FL52 uses breakthrough technology to achieve high output of up to 16 plates per hour at low production costs. Using Presstek's patented ThinDrum design and SureFire imaging technology, the Vector FL52 offers superior quality and consistency.

The Vector FL52 also features a small footprint, with the plate washer built directly into the device rather than requiring a separate unit.

The Freedom Pro plate is inserted at the front, imaged and water-rinsed inside the unit before being discharged as a finished, press-ready plate. Freedom Pro thermal metal plates are designed for run lengths up to 25,000 impressions, and are priced competitively with polyester plates.



SUREFIRE
IMAGING

VECTOR

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Key features:

- Metal CTP plates that are priced competitively with polyester
- Thermal technology
- Images Presstek's Freedom aluminum base plates
- Daylight-safe
- No chemistry required
- Streamlines plate production
- Compact design
- 2400 Resolution
- Plate sizes up to 20.66" x 19.875" (525 mm x 505 mm)
- Standard semi-automatic plate load or optional autoloader that holds up to 20 pre-punched plates
- Integrates with Presstek Momentum Pro workflow and RIP
- Exceptional on-press set-up, performance and reliability
- Integrated plate rinse with water



The integrated plate washer delivers clean, press-ready chemistry-free plates without the need for a stand-alone processor.



Optional auto-loader holds up to 20 pre-punched plates in the input tray. The auto-loader can stage 20 plates of the same size or a combination of multiple sizes and gauges. The RIP output controller manages the print order in a queue.

Presstek Chemistry-free CTP: A Wealth of Advantages

Presstek Freedom Pro Chemistry-free Plates

Presstek Freedom Pro chemistry-free thermal plates combine the performance characteristics of traditional metal-based plates with state-of-the-art printing plate technology.

After imaging, Freedom Pro plates are automatically cleaned with water in the Vector FL52's integrated plate washer.

Freedom Pro plates require no baking, special cleaning fluids, or gumming, resulting in less waste material and a more environmentally friendly print shop.

Freedom Pro plates are the lowest priced chemistry-free thermal CTP plates on the market. Freedom Pro plates are ideally suited for short-run printing with run lengths up to 25,000.

Consistent, Repeatable Thermal Imaging

Thermal imaging technology brings new freedom to CTP workflow, delivering sharp, well-defined, highly repeatable images. Plates are free from the inconsistencies inherent in conventional chemistry-based platemaking systems.

Exceptional On-press Performance

In addition to enhancing productivity in the prepress department, Vector FL52 CTP also improves productivity in the

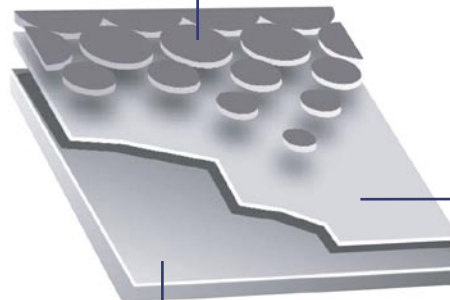
pressroom. Freedom Pro plates perform extremely well on press, delivering many of the familiar performance characteristics and stability of conventional aluminum plates.

A unique surface structure on the plate results in exceptionally fast makeready, greater ink/water latitude and excellent durability. In addition, Freedom Pro plates accommodate a wide range of industry standard inks and fountain solutions with the added benefit of less pressroom chemistry consumption, as compared to conventional offset plates.



Chemistry-free Freedom Pro plates combine the performance characteristics of traditional anodized aluminum thermal CTP printing plates with the state of the art in printing plate technology. Freedom Pro requires no processing chemistry and is simply rinsed with water using the Vector FL52's built-in washing unit.

Ink receptive (oleophilic) layer



Microporous water-loving (hydrophilic) layer

Anodized aluminum base

FREEDOM PRO

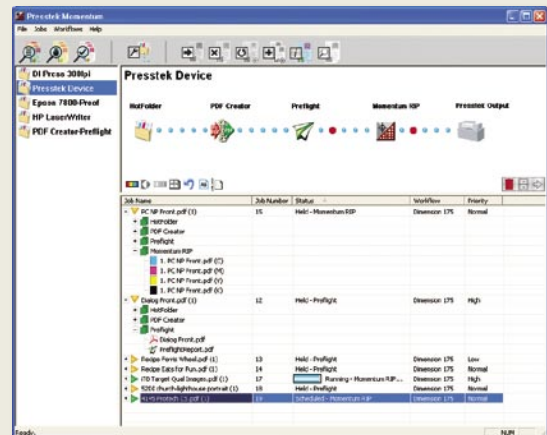
CHEMISTRY-FREE CTP

Optimize Your Productivity with Presstek's Momentum Pro Workflow/RIP Solution

The high productivity of the Vector FL52 is optimized with Presstek's Momentum Pro workflow—a system of hardware devices and software modules engineered to seamlessly manage a job from prepress to press.

Momentum Pro is a fully integrated RIP and PDF workflow designed to automate and streamline the production process. It is a flexible solution that can be customized to fit your production environment. Features include automatic PDF creation, preflight, and client/server architecture.

Users of Digital PlateMaster systems already using a Momentum workflow can easily upgrade to a new chemistry-free Vector FL52 CTP system with virtually no disruption to established operating procedures.



MOMENTUM PRO

Vector FL52 Product Specifications

Operating Specifications

Imaging Technology	ThinDrum
Laser Technology	Presstek SureFire FL: Class 1 laser product
Media	Freedom Pro thermal plates
Media Supply	Standard: Single plate, semi-automated feed Autoloader: Holds 20 pre-punched plates, stacked with plate separators on the input tray
Plate Lengths	Selectable over the range: 14.375" to 19.875" (365 mm to 505 mm)
Plate Widths	11" to 18" (280 mm to 457 mm) and 20" to 20.66" (508 mm to 525 mm)
Maximum Image Area	20.66" W x 18.58" L (530 mm W x 472 mm L)
Plate Thickness	.006" and .008" (.15 mm and .20 mm)
Resolution	2400 dpi
Screening	Up to 175 line screen
Speed	Up to 16 plates an hour
Plate Washer	Integrated water wash with scrub rollers. Optional auto-loader includes stacker, air jet dryer, and flipper for stacking finished plates
Register System	Dual internal register pin system
Operating Environment	Daylight-safe; 60–75°F (15.5–23.8°C); 40–80% relative humidity (non-condensing) Autoloader requires compressed air 5 CFM at 90 psi

Physical Specifications

Electrical Requirements	200–240 VAC, 50/60 Hz, 20 amp, single phase; NEMA L6-20R receptacle
Weight	1,000 lbs (454 kgs)
Dimensions (L×W×H)	58" × 29" × 52" (147 cm × 74 cm × 132 cm)

Workflow

RIP/Workflow	Momentum RIP and workflow options available including preflighting, trapping, imposition, and proofing
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Freedom Pro Plate Specifications

Plate Type	Chemistry-free, thermal positive writing
Plate Substrate	Aluminum
Printing Mechanism	Wet offset
Resolution	2%–98% @ 175 LPI
Length of Run	Up to 25,000 impressions
Light Sensitivity	100% daylight safe; no safelight required
Plate Thickness	.006" and .008" (.15 mm and .20 mm)
Plate Size	Standard 2-page formats, 52 cm and below
Processing	Simple rinsing with only water; no baking or gumming required

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 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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