

Presstek Vector TX52

High Productivity
Chemistry-Free CTP



Presstek Vector TX52: High Productivity Chemistry-Free CTP

Presstek Vector TX52: Low-cost two-page metal platemaking

The Presstek Vector TX52 thermal platesetter and Freedom 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

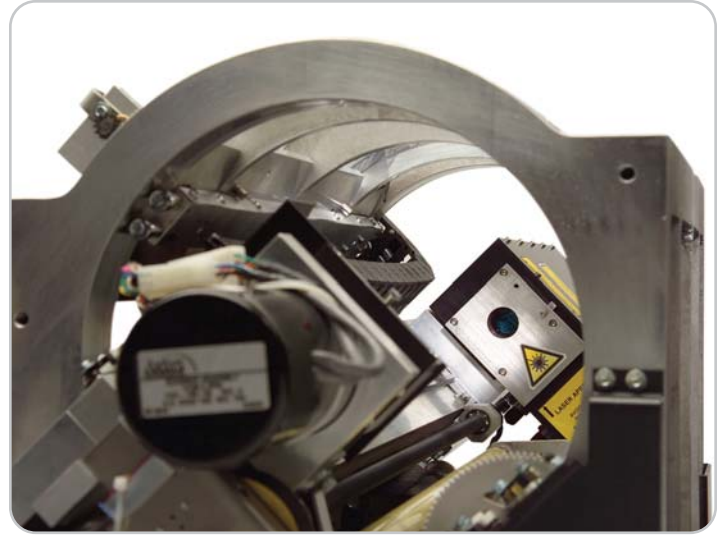


your entire platemaking operation while delivering the speed, quality and performance you need to meet customer demands. Its compact size and ability to operate in normal conditions allow this CTP unit to fit into virtually any environment. Handling and imaging plates

under normal daylight conditions eliminates the costs and special provisions required for safe-light and darkroom processing.

The Vector TX52 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 TX52 offers superior quality and the consistency.

The Vector TX52 also features a small footprint, with the plate washer built directly into the device rather than requiring a separate unit. The Freedom plate is inserted at the front, imaged and water-rinsed inside the unit before being discharged as a finished, press-ready plate. The Freedom thermal metal plate is designed for run lengths up to 25,000 impressions, and is priced competitively with polyester plates.



SUREFIRE
IMAGING

Key features of the Presstek Vector TX52:

- 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" x 21" (525 x 505 mm)
- Semi-automatic plate loading
- Compatible with Momentum and Facet RIP and workflow
- 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 standalone processor.

VECTOR
T·X·5·2

Presstek Vector TX52: Offers a Wealth of Advantages

Freedom chemistry-free plates

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

After imaging, Freedom plates are automatically cleaned with water in the Vector TX52's integrated plate washer.

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

Freedom plates are the lowest priced chemistry-free thermal CTP plates on the market. Freedom 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

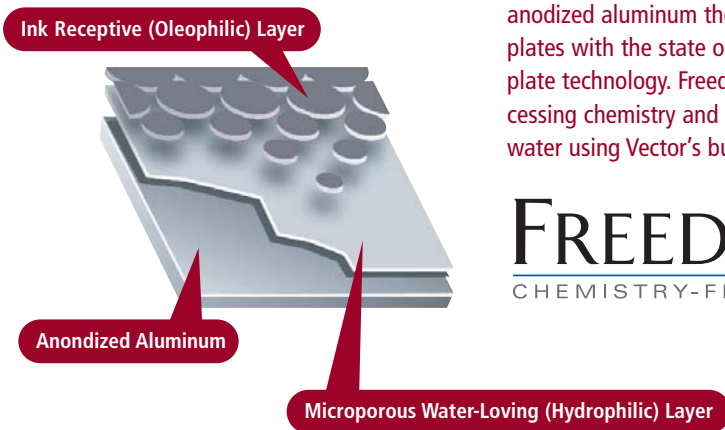
In addition to enhancing productivity in the prepress department, Vector TX52 CTP also improves productivity in the pressroom. Freedom

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, great ink/water latitude and excellent durability. In addition, Freedom 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 plates combine the performance characteristics of traditional anodized aluminum thermal CTP printing plates with the state of the art in printing plate technology. Freedom requires no processing chemistry and is simply rinsed with water using Vector's built-in washing unit.



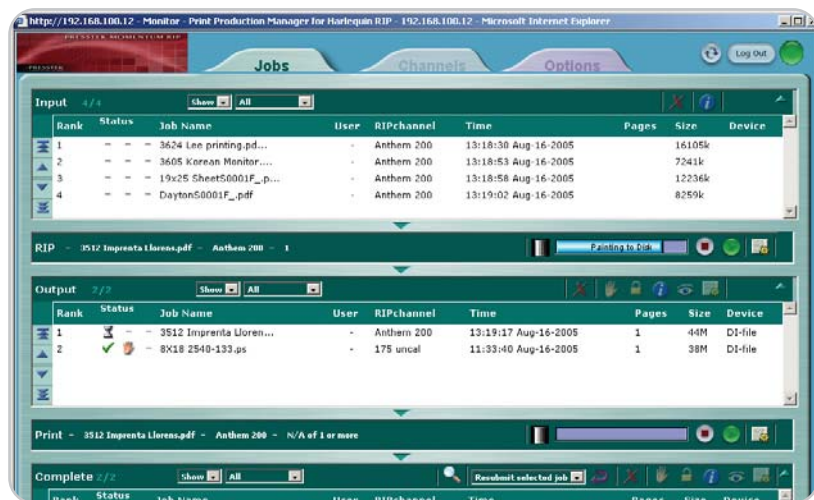
FREEDOM
CHEMISTRY-FREE CTP

Compatible with Presstek's Momentum workflow solution

The Vector TX52 is compatible with Presstek's Momentum Workflow—a system of hardware devices and software modules engineered to seamlessly manage a job from prepress to press.

The Harlequin®-based Momentum RIP is compatible with PostScript® Level 3 and PDF specifications. It is an integrated, flexible solution that can be customized to fit your production environment. Features include in-RIP trapping, font emulation, imposition and color control.

Users of Digital PlateMaster systems already using a Momentum Workflow can easily upgrade to a new chemistry-free Vector TX52 CTP system with virtually no disruption to established operating procedures.



MOMENTUM
RIP

Vector TX52 Product Specifications

Operating Specifications

Imaging Technology	ThinDrum
Laser Technology	Presstek SureFire: Class 1 laser product
Media	Freedom thermal plates
Media Supply	Single sheet, semi-automated feed
Plate Lengths	Selectable over the range: 14.375" to 19.875" (365 to 505 mm)
Plate Widths	13" to 13.375" (330 to 340 mm) and 20.063" to 20.87" (510 to 525 mm)
Maximum Image Area	20.87" W x 19.165" L (530 x 487 mm)
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
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)

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 (LxWxH)	58" x 29" x 52" (147 x 74 x 132 cm)

Workflow

RIP/Workflow	RIP and workflow options available including preflighting, trapping, imposition, and proofing
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Freedom 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 without notice.

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.

Vector TX52 Supplies

6 Mil Freedom Thermal Plates

VTX80604	13" x 19-11/64"	(330 x 488 mm)	100/Box
VTX80605	13" x 19-3/8"	(330 x 492 mm)	100/Box
VTX80607	13-3/16" x 19-3/32"	(335 x 485 mm)	100/Box
VTX80608	13-3/8" x 19-7/8"	(340 x 505 mm)	100/Box
VTX80628	15-1/2" x 20-1/2"	(394 x 521 mm)	100/Box
VTX80631	15-3/4" x 20"	(400 x 508 mm)	100/Box
VTX80630	15-3/4" x 20-1/16"	(400 x 510 mm)	100/Box
VTX80634	15-3/4" x 20-7/16"	(400 x 519 mm)	100/Box
VTX80636	15-3/4" x 20-7/8"	(400 x 530 mm)	100/Box
VTX80627	20-1/16" x 14-9/16"	(510 x 370 mm)	100/Box
VTX80633	20-1/16" x 16-3/16"	(510 x 411 mm)	100/Box
VTX80632	20-1/16" x 16-1/2"	(510 x 419 mm)	100/Box
VTX80643	20-9/32" x 16-1/8"	(515 x 410 mm)	100/Box
VTX80638	20-5/8" x 18-1/16"	(524 x 459 mm)	100/Box

8 Mil Freedom Thermal Plates

VTX80810	13" x 19-11/64"	(330 x 487 mm)	100/Box
VTX80805	13" x 19-3/8"	(330 x 492 mm)	100/Box
VTX80807	13-3/16" x 19-3/32"	(335 x 485 mm)	100/Box
VTX80808	13-3/8" x 19-7/8"	(340 x 505 mm)	100/Box
VTX80828	15-1/2" x 20-1/2"	(394 x 521 mm)	100/Box
VTX80831	15-3/4" x 20"	(400 x 508 mm)	100/Box
VTX80830	15-3/4" x 20-1/16"	(400 x 510 mm)	100/Box
VTX80834	15-3/4" x 20-15/32"	(400 x 520 mm)	100/Box
VTX80836	15-3/4" x 20-7/8"	(400 x 530 mm)	100/Box
VTX80832	20-1/16" x 16-1/2"	(400 x 510 mm)	100/Box
VTX80843	20-9/32" x 16-1/8"	(515 x 410 mm)	100/Box
VTX80838	20-5/8" x 18-1/16"	(524 x 459 mm)	100/Box

Accessories

PTEK-2330-AB	220/425 mm Combo Plate Punch	Each
VECFILTER-6C	Washer Unit Filter Kit (contains 6)	6/Kit

Additional Items / Shop On-Line

Contact your Presstek sales rep for information on RIP, workflow (preflighting, trapping, imposition, etc.) and proofing options. Visit us on-line at shop.presstek.com 24/7 for additional supplies and pressroom necessities. Browse our conveniently organized catalog and place orders. At shop.presstek.com you can access customer-specific pricing, view current product promotions, build a custom 'My Supply List,' track order status and shipments and much more.

For more information about
Presstek DI and CTP solutions:

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