

# Presstek Freedom PRO Chemistry-free Plates: 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

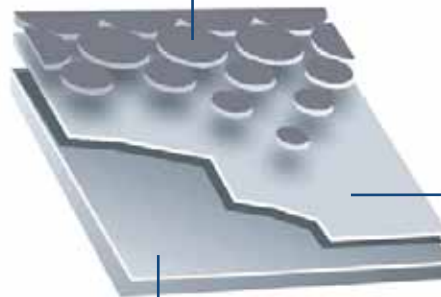
pressroom. Freedom Pro plates perform extremely well on press, delivering many of the familiar performance characteristics and stability of conventional aluminum plates.

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

### Key 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