Key product features

No chemical consumption:

Certus Verde NP plates are a negative working 830nm thermal plate that does not require traditional chemical processing. The Verde NP plate utilizes DOP (develop on press) technology, which means no need for a processor or chemistry. The latent image is one of the best for DOP allowing the operator to see the image as well as identify the color.

Develop on Press (DOP) plate technology:

Certus Verde NP utilizes a non-ablative plate coating technology which is a thermal negative plate allowing customers to image the plates and go directly to press. This is a low energy, 140mj/cm2 negative working plate.

Precise dot reproduction:

Excellent dot reproduction and linearity. The dot reproduction is 1-99% @ 200lpi. This provides perfect image and color reproduction and gives printers the ability to print both AM and FM screening.

High run length:

Up to 100,000 impressions possible with the Certus Verde NP plates. As with any thermal plate, press conditions and types of chemicals being used to clean the plates and blankets can affect the plate life.

Cost effective and easy to use:

Certus Verde NP is a negative working thermal technology that does not require pre-heat or traditional chemical processing. This eliminates the need to have a conventional plate processor and chemistry, freeing up valuable space for small to medium printers.
Product specification

Type: Negative non-ablative thermal CTP plate
Suitable for: Sheet-fed and short run web printing
Substrate: High quality grained and anodized lithographic aluminum
Maximum width: 1480mm
Spectral sensitivity: 830 nm (range of 800 to 850nm)
Exposure energy: 140 mj/cm2
Resolution: 1-99%@200 lpi
Run length*: Up to 100,000 impressions *Run length depends on press and printing quality control and conditions.
UV ink compatibility: Up to 30,000 impressions with UV inks
Safelight: Up to 1 hour under florescent light, 4 hours under yellow safelight (Do not expose to direct sunlight)
Shelf life: 12 months when stored away from excessive cold, heat and humidity
Storage conditions: Store plates flat in their packaging away from excessive heat or high humidity at 18~25° C, with RH between 40~60%.

Not recommended for post baking

(No Processing Required) DOP Technology

Certus Verde NP non-ablative negative thermal plates do not require processing in the traditional sense. The plates are imaged on the thermal CTP device and then taken directly to press, where the fountain solution softens the non-image coating. The coating is then removed from the plate by the ink and ultimately transferred out of the press on the first 50 or less make-ready sheets. The plates are able to be handled under fluorescent light for up to 1 hour and yellow light for up to 4 hours before being developed on press and have a latent image for up to 7 days. Plates not ready to be put directly on press should be put face to face with a slip-sheet between them, and placed in a light-proof box or drawer until they are to be put on press.