

Technical Specifications

Violet DigiPlate™ printing plates

Violet DigiPlater VDP-CF3070



| | |
|------------------------------|---|
| Plate technology | Negative violet-sensitive CTP polyester plate |
| Plate gauge | 8 mil and 12 mil (0.20 mm and 0.30 mm) |
| Plate format | Max. 30-23/32" x 26-25/32" (780 mm x 680 mm) Min. 12" x 12" (305 mm x 305 mm) |
| Print run length | 20,000 impressions (under standard printing conditions) |
| Printing performance | Performs with regular fountain solution and ink |
| Type of platesetter | Internal drum with integrated printing compliant register punch |
| Machine controller | Internal machine controller includes 1-BIT TIFF catcher |
| Chem-free wash-off unit | Wash-off process is completely chemistry-free. The integrated 30 liter wash-off unit requires only tap water with no plate gumming. |
| Punch | Bacher 425 (Standard); Bacher 220 (Optional); Komori 550 (Optional) |
| Material supply | 2 magazines for roll material, 200' (61 m) roll at 0.20 mm gauge, 135' (41 m) roll at 0.30 mm gauge |
| Light source | 120 mW Violet laser diode (405 nm) |
| Resolution | 1,270 dpi - 2,540dpi |
| Spot size | 20 µm |
| Recording speed | 20 plates/hr at 2,540 dpi, 40 plates/hr at 1,270 dpi |
| Screen ruling | Max. 200 lpi |
| Tint | 3% to 97% at 2,540 dpi and 200 lpi |
| Tint variation | ± 2% at 40% dot (variation over full exposure) |
| Image-to-image repeatability | ± 0.05 mm over 4 plates |
| Punch-to-image repeatability | ± 0.02 mm |
| Power requirements | 200 – 240 V, 50/60 Hz, 20 amps |
| Environment | 40 – 70 % relative humidity, not condensing |
| Temperature | 64° F – 77° F (18° C - 25° C) |
| Weight | 1653.5 lbs. (750 kg) |
| Dimensions (W x D x H) | 54.7" x 44.9" x 59.1" (139 cm x 114 cm x 150 cm) |

September 2012: Specifications are subject to change without notice.

PRINT. PROFIT. PRESERVE.

Violet DigiPlate™ chemistry-free CTP is just one of many innovative and ecological offset solutions available from Mitsubishi Imaging. For years we have been committed to serving the complete needs of our customers in the photographic, inkjet and graphic arts industries in an environmentally responsible way. We are the industry leader in green polyester plate technology, and offer the widest variety of inkjet media, graphic arts materials and FSC-certified communications papers available. Our eco-friendly, scalable offset and digital technologies help customers stay competitive, enabling them to reduce their environmental impact for the next generation of print.

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Violet DigiPlate

The Next Generation of Chem-Free Computer-to-Plate Technology



Chem-Free CTP

2,540 dpi

4-Up Format

Fully Automated



 **Mitsubishi Imaging (MPM), Inc.**

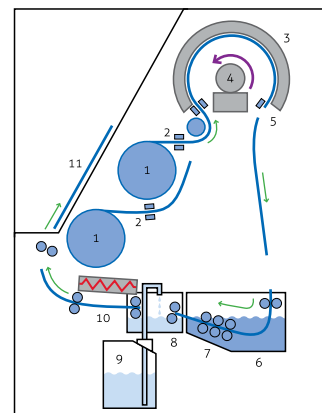
Violet DigiPlate™

The next generation of chem-free computer-to-plate

CTP innovation in a compact unit

The Violet DigiPlater VDP-CF3070 sets a new standard for offset printing in the small to medium-sized print market. This unique system even allows you to expose in the 4-page XL format. The fully-automatic Violet DigiPlater VDP-CF3070 outputs 20 plates per hour at a resolution of 2,540 dpi. Plates are exposed, punched, washed-off, dried and cut to format, thus ready for immediate printing.

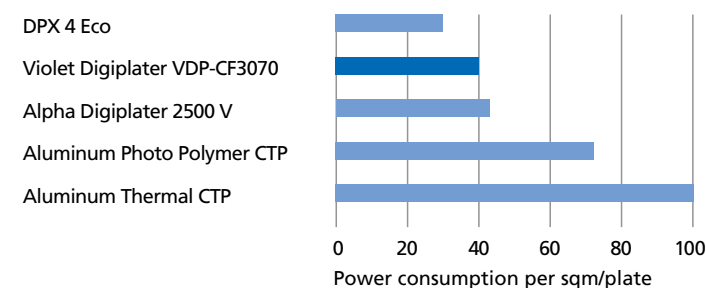
With 2 roll magazines and the integrated register punch, the Violet DigiPlater offers ideal operating conditions where two plate formats can be output automatically without any loss in material or time. This innovative, compact and fully-automatic CTP platesetter is characterized by its environmental friendliness and extremely low energy consumption and a minimal CO₂ footprint.



Violet DigiPlater VDP-CF3070

- 1 Plate supply cassettes
- 2 Plate detector
- 3 Imaging drum
- 4 Violet laser system
- 5 Plate cutter
- 6 Wash section, 25l water
- 7 Brush roller
- 8 Cleaning section, 5l water
- 9 Water replenishment tank
- 10 Dryer
- 11 Plate exit tray

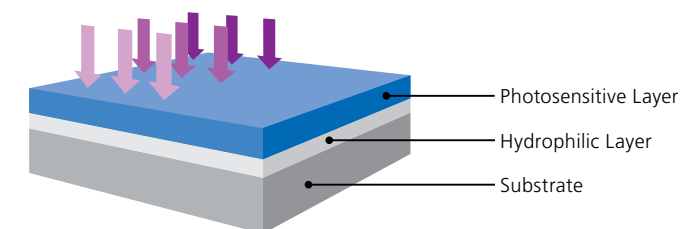
CTP system electric power consumption



Excellent printability; Environmentally-friendly

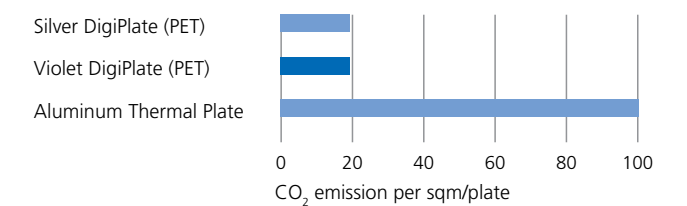
The Violet DigiPlate Printing Plate

The new Violet DigiPlate (VDP) combines chem-free CTP production with an outstanding offset printing plate quality. The violet sensitive DigiPlate uses a polymer cross-linking technology that requires no chemical processing to create the image area. This unique plate requires only water for wash-off, with no pre-heating and no gumming.



The Violet DigiPlate resembles a typical metal plate with a gray background and a clearly visible blue image area, allowing for easy plate inspection prior to mounting and while on the press. This polyester plate features excellent printability due to maximum resolution.

CO₂ emission of plate material *



* The calculation for the relative values were performed according to publicly available data. It has not been audited by third party.

Features and benefits at a glance

Environmentally-friendly

- Absolutely chem-free plate production
- Wash-off with tap water
- Optimum environmental performance
- Low CO₂ emission values
- Considerably reduced energy consumption

Smart Design; Ease of use

- Universal and flexible: for 4-up and 2-up format
- Minimum maintenance
- Easy operation
- Very compact design

Outstanding printing characteristics

- Press runs 20,000 impressions
- Plate thickness 0.20 and 0.30 mm
- Excellent ink/water balance
- Resolution 2,540 dpi, 200 lpi
- Suitable for FM screening

Unique price/performance ratio

- Reduced overhead expenses with fully automated operation
- Investment costs are significantly lower compared to metal CTP system