

**CHEMFREE™**  
*Ready*

**PlateStream®**  
**Violet 4**

**Quality, reliability and speed...4-up Metal CTP performance you can afford**

### Features

- **Advanced Robotic Plate Handling™**

PlateStream Violet's Advanced Robotic Plate Handling™ System is a unique approach to plate register control that consistently produces the most repeatable plate image possible. Its easy loading access at operator level and its intelligent automatic unloading into the online processor assures the tightest control and highest throughput.

- **High Speed**

By way of its high speed spinning laser and advanced plate handling, the PlateStream Violet 4 is in a class of its own—producing up to 20 4-up plates per hour.

- **Reliability and Accuracy**

Platestream Violet 4 uses a high precision internal drum and violet laser technology—a combination proven to give the most reliable and consistently accurate imaging on metal plates.



*Platestream Violet 85 Online Processor*

- **Complete Solution Provides Lowest Cost of Ownership**

- Complete equipment, service and supplies package from the polyester CTP leader.
- Tuned to work best with VioletStream™ Metal plates, based on industry leading technology.

- **Versatile 4-up CTP Plate Sizes**

Image a wide range of plate sizes from 12.60" x 15.75" to 29.33" x 24.22" and plate thickness- 6, 8 and 12 mil. For maximum flexibility in the press-room, the plates are punched after imaging to accommodate the widest range of press punches.

- **Ease of Use**

The unique PlateStream Violet design makes platemaking easy—it's so simple that virtually anyone (even a sales guy) can use the system to produce plates quickly and reliably.

**Printware**

Saint Paul, Minnesota  
(800)456-1400  
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# Platestream® Violet 4

## Specifications

**Laser type** Violet laser diode, 405 nm, 60 mW

**Drum** 200 mm radius, 180° Aluminum Alloy with hard anodized finish

**Max plate** B2 (4-up)- 29.93" x 25" x 0.012" thick (760 x 635 mm, 0.3 mm)

**Min plate** B3 (2-up)- 12.60" x 15.75" x 0.006" thick (320 x 400 mm, 0.15 mm)

**Grip edge** 9/16" (15 mm) minimum at front edge of plate

**Image area** 29.53" x 24.41" (750 x 620 mm)

**Spot size** 10 microns

**Resolution** 2540 dpi

**Repeatability** ± 5 microns image to image; ± 25 microns plate to plate

**Imaging speed** 6 mm per second, using 36,000 rpm single-facet spinner

**Throughput** Up to 20 plates per hour B2 (4-up); up to 25 plates per hour B3 (2-up)

**Plate handling** Manual load and unload or Manual load and semi-automatic unload model

**Plate types** Violet sensitive aluminum plates  
Silver and Photopolymer  
Yellow safe light required for plate handling

**Registration** 3-pin touch sensitive registration with automatic clamp

**Punching** Punch after imaging, for specific press



**Advanced Robotics Plate Handling™** Maintains positive contact throughout imaging process and automatically inserts plate into online processor using a proprietary intelligent bridge.

**File formats** Accepts 1-bit TIFF bitmap files, compressed formats CCITT Group 4, LZW and PackBits, PDF

Application level includes all engine control and plate management software

Connection to PC via PCI bus interface, with Windows 2000 driver

**Approvals** CE certification: EN61000 for EMC include FCC part 15, EN60950 LVD

**Plate Transport Speed** 55.12"/min (1400mm/min)

**Pre-Wash Tank Capacity** 4.62 US Gallons (17.5 Litres)

**Developer Tank Capacity** 9.25 US Gallons (35 Litres)

**Rinse Tank Capacity** Direct to Drain

**Finisher Tank** 0.42 US Gallons (1.6 Litres)

**Dimensions** Platesetter: 4'8" x 4' x 3' (w x h x d) - (1410 x 1225 x 940 mm)

Processor: 69.3 x 43.7 x 38.4-47.2" (1760 x 1111 x 974-1199 mm)

**Weight** Uncrated: 660 lbs. (300 kg),  
Crated: 902 lbs. (410 kg)  
Processor: Crated- 1475 lbs. (670 kg),  
Uncrated- 1047 lbs. (475 kg)

**Power** Engine: 98-132 VAC or 196-264 VAC at 50/60Hz, single phase less than 500 VA load Vacuum Pump: Either 100v 50/60Hz IEC unit or 230v 50/60Hz EN unit (separate connection)

Processor: 220-240V 1W+N+PE/GND 28A - 50/60Hz

**Operating Environment** +60°F to +80°F, 20% to 80% relative humidity (non-condensing)

**Platform** Pentium PC with Windows

**RIP** Torrent (Harlequin) L3 PostScript RIP

**Applications** Q2 Output Controller, Plate Management Software

**Diagnostics** Remote diagnostics as standard

**Job Archival** Writable CD ROM

**PlateStream®**  
Violet 4

**Printware**

Providing Innovative Pre-Press Solutions