

# VioStar<sup>TM</sup> Plus

## Violet Photopolymer CtP Plate

### Description & Application

VioStar Plus is a second generation Violet Photopolymer digital plate especially designed for higher sensitivity and improved run lengths. It is manufactured by TechNova in technical collaboration with Agfa-Gevaert N.V. VioStar Plus renders print quality equalling that of a thermal plate combined with high speed, long run-length and ease-of-use of violet technology.

### Features & Benefits

- Excellent dot reproduction and low dot-gain
- Wide exposure and development latitude
- Advanced electro-chemical graining and anodising for consistent press performance
- Extremely robust plate; ideally suited for long-runs for newspapers, commercial and packaging printing
- Compatible with UV inks

### Specifications

- Plate Type : Negative-working high-speed violet laser plate
- Coating : Photopolymer
- Substrate : Electro-chemically grained and anodised
- Gauge (mm) : 0.15, 0.20 & 0.28, 0.30
- Spectral Sensitivity : 405 nm violet diode
- Safe Light : Yellow
- Exposure : On Stouffer 21 step wedge, 3 solid and 6 clear, On UGRA wedge, 2 solid and 5 clear
- Resolution : 1% to 99%, 200 lpi AM, 240 lpi Hybrid
- Image Colour : Blue
- Processing Steps : Pre-heat, pre-wash & wet processing with recommended developer.
- Run-length : Upto 400,000 impressions unbaked; can be baked for increased run-length (actual run-length may vary depending on press conditions and ink & paper quality)  
Upto 150,000 impressions unbaked with UV inks (Under optimum printing conditions).

### Recommended Processing Chemistry

- Machine Processing : VioStar Universal Developer, VioStar Gold Developer
- Processor Replenisher : VioStar Universal Replenisher, VioStar Gold Replenisher
- Finisher : Unifin / RC 795
- Deletion : VioStar Delete
- Baking Solution : Thermotect & RC 510
- Storage after Processing : Unifin (for storage up to 24 hours)  
NovaKeepGum (for storage upto 3 months)

### Recommended Pressroom Chemistry

- Plate Cleaner : InstaKleen UV (for UV inks); InstaKleen CtP (for conventional inks)
- Fountain Solution : Compatible with all fountain solutions from TechNova
- Press Wash : Compatible with all conventional press washes from TechNova
- PressCare : Compatible with all presscare products from TechNova

### Storage, Handling & Packaging

- Storage & Handling : 10°C to 25°C; 40% to 60% RH. If the storage temperature differs significantly from plateroom temperature, the plates should be acclimatised in their original package for at least 12 hours before unpacking and processing the plates. Always open the package under recommended safe light.
- Shelf-life : 18 months (from the date of manufacturing) under recommended storage conditions



## About Us

TechNova is one of the world's largest suppliers of print solutions. TechNova's innovative and world-class products cater to a wide range of industries, such as Commercial & Newspaper Printing, Publishing, Packaging, Signage, Photo, Textile, Engineering & Medical Imaging.

TechNova's name is derived from the words "technology" and "innovation", and it is these two tenets that form TechNova's core mission. Globally recognised as a pioneer, TechNova has introduced several breakthrough technologies and innovative products that have transformed various print processes and created new markets.

With its wide distribution and logistics network in India, TechNova's products & services are used by every printer in the country. In addition to its leadership position in India, TechNova markets its products to over 60 countries through its international offices and distribution network.

Uniting all TechNova's businesses is its value system - a strict code of ethics, commitment to excellence, business conduct based on honesty, fairness & mutual trust, and a "Customer First" philosophy.

### Highlights

- World's only manufacturer of full range of Digital Offset Plates : Violet, Thermal, UV, Inkjet & Laser
- India's largest manufacturer of Offset Plates & Printing Chemicals
- Products distributed to over 60 countries worldwide
- Widest portfolio of Digital Print Media for Inkjet & Laser printing
- 70% market share in India for each of its product groups
- IMS Certifications : ISO 9001:2015 for QMS; ISO 14001:2015 EMS and ISO 45001:2018 for OHS
- Winner of the prestigious GATF InterTech Technology Award
- Pioneer of the "Go Green" revolution in the Indian print industry

### Product Portfolio

- Offset CtP Systems
- Offset Printing Plates & Films
- Specialty Chemicals
- Printing Blankets
- UV & Aqueous Coatings
- Adhesives
- Printing Inks
- Digital Industrial Presses
- Digital Production Presses
- Digital Inkjet Presses
- Digital Embellishment Systems
- Digital Post-production Devices
- Digital Print Media
- Software & Workflows
- Flexo CtP Systems
- Flexographic Plates
- Letterpress Plates
- Waterless Plates
- Press Enhancement Systems
- ETP/STP Systems
- Advisories : SHE Audits & Trainings

### TechNova Go Green Mission

Our planet is our most vital resource. We must do all we can to preserve it. TechNova is committed to helping the printing industry adopt eco-friendly solutions, reduce carbon footprint, eliminate waste and facilitate sustainable growth. To help achieve this, we at TechNova have embarked on a "Go Green" mission :

- To promote Green awareness within TechNova, with our stakeholders and within the printing industry
- To develop, manufacture and supply eco-friendly Green products and services that have the least impact on the environment
- To comply with, and go beyond, all applicable legal requirements with regards to the environment and help our customers achieve the same.

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