

Spartan™

Third Generation UV CtP Plate

Description & Application

Spartan is a third generation UV CtP plate especially designed for hi-resolution, hi-speed imaging on the latest UV CtP plate setters, using Ultra-Violet laser diode technology. It is significantly superior to the second generation UV CtP plate. Spartan ensures reproduction of 2%-98% dots at 200 lpi and is FM screening capable.

(Note: Not recommended for use as Analog PS Plate)

Features & Benefits

- Significantly faster as compared to second generation UV CtP plate yielding high throughput
- Excellent image contrast facilitates easy inspection
- Better exposure and processor latitude deliver consistent results
- Very good resistance to alcohol and press chemicals ensuring robust press performance
- Compatible to baking process with Thermotect/RC510 to increase run-length
- Each plate carries a unique identification number for quality assurance

Specifications

- Plate Type : UV CtP Positive-working
- Substrate : Litho-grade aluminium, electrochemically grained and anodised
- Gauge (mm) : 0.15, 0.20, 0.28 & 0.30
- Maximum Width (mm) : 1230
- Safe Light : Yellow safe light & UV protection on windows
- Spectral Sensitivity : 405 nm Ultra-Violet laser diode compatible
- Image Colour : Blue
- Run-length : Upto 100,000 (actual run-length may vary depending on press conditions and ink & paper quality)
- Exposure Energy : 40 mw to 55 mw

Recommended Processing Chemistry

- Manual Processing : Not recommended
- Machine Processing : Spartan / LSP 19 Developer with recommended dilution to be used on processors with chiller unit
- Finisher : Unifin / RC 795
- Deletion : NovaDelete P/Jiffy Deletion Fluid
- Baking Solution : Thermotect / RC 510
- Storage after Processing : Unifin for storage up to 24 hours; NovaKeepGum for storage up to 3 months

Recommended Pressroom Chemistry

- Plate Cleaner : InstaKleen CtP, Instakleen HD (for baked plates)
- Fountain Solution : Compatible with all recommended fountain solutions and fount additives from TechNova, except IPA substitutes. Post baking plates are compatible with IPA substitutes.
- Press Wash : Compatible with all recommended washes from TechNova
- PressCare : Compatible with all recommended press-care solutions from TechNova

Storage, Handling & Packaging

- Storage & Handling : 20°C - 25°C; 30% to 70% RH. If the storage temperature differs significantly from plateroom temperature, the plates should be acclimatized, in their original package, for at least 12 hours before unpacking and processing the plates. Always open the package under recommended room illumination.
- Recommended plateroom conditions : Operating temperatures 23°C (±2°C); 40% to 70% RH.
- 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.

Corporate Office

TechNova Imaging Systems (P) Limited
2401-2408, Cyber One
Pranav Anandji Marg, Sector 30A
Navi Mumbai 400 703
Phone : +91 22 7183 2463

TechNovaCare

Toll-free (India) : 1800 267 7474
Phone : +91 22 7183 2474
eMail : help@technovaworld.com
Web : www.technovaworld.com



Disclaimer : The information provided in this document is to be used only as a guide. It does not imply any liability and shall not be binding upon the company. In pursuit of constant product improvement, specifications are subject to change without prior notice. All brand names and product names used here are trademarks belonging to their respective owners. Prints are for documentation only and not for diagnostic purposes.

© November 2024. Copyright reserved for design & content. Owner, TechNova Imaging Systems (P) Limited.