

Kratos TZP

World's most robust Thermal Zero Process, Direct-On-Press digital plate

Description & Application

Kratos TZP is the most robust thermal direct-on-press digital plate ideal for long-run printing applications. It requires very low exposure compared to conventional thermal plates and is fully compatible with UV ink printing.

Features & Benefits

- Eliminates the use of processor & developing chemistry, making it an eco-friendly system
- Ideally suited for long-run UV ink printing without post-baking
- Perfectly compatible with alcohol-free founts; enables you to “Go Green” without the fear of plate failures
- Fast clean-up properties on the press; minimises start-up waste & machine downtime
- Excellent image contrast compatible with Vision Punch & Bend devices
- Excellent dampening latitude; allows high ink density and low damp levels
- Accredited for use with all the leading brands of thermal plate-setters
- Easy-to-image under convenient office lighting conditions

Specifications

- Plate Type : Thermally exposed, negative-acting, laser plate for all offset presses
- Coating : Two-layer system, infrared sensitive, negative-acting, high speed
- Gauge (mm) : 0.28, 0.30
- Spectral Sensitivity : 830 nm
- Exposure Energy : 110 - 130 mJ / cm²
- Resolution : 1% - 99 % dot @ 200 lpi
- Image Colour : Grey
- Processing Steps : Zero-Process; Direct-On-Press
- Run-length : Up to 200,000+ impressions; Up to 50,000+ impressions using UV inks (actual run-length may vary according to press, ink and paper conditions)
- Room Illumination : Office light (avoid daylight and direct sunlight on plate)

Recommended Pressroom Chemistry

- Plate Cleaner : InstaKleen UV (for UV inks); InstaKleen CtP (for conventional inks)
- Fountain Solution : AkronGold, TotalCare Range & CrownJewel Range
- Press Wash : HMK Wash 1, Artemas Wash 60, AmberWash WM & NovaWash Premium
- PressCare : DeepKleen Shampoo, CalKleen, LubriKleen, GlazeKleen, GlazeKleen Aqua, Blanket Vitaliser, Blanket Refresh, CylKleen

Storage, Handling & Packaging

- Storage & Handling : 10°C - 25°C; 40% to 60% 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. Always open the package under recommended room illumination.
- Recommended plateroom conditions : Operating temperatures 23°C (±2°C); 40% to 70% RH.
- Shelf-life : 12 months (from 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

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