

# Athena

## Xtra Long-run Thermal CtP Plate

### Description & Application

Athena plate sets a new standard for high-quality thermal imaging and extra-long run capability. It seamlessly integrates with the world's leading thermal computer-to-plate systems, and offers the convenience of office light operations. The robust all-purpose plate delivers consistent print quality even under harsh printing conditions for long-run commercial sheet-fed and web applications.

Athena is designed to meet the needs of today's printers : performance, ease-of-use, quality and consistency.

### Features & Benefits

- Thermally exposed positive acting digital plate for sheet-fed and web offset applications
- Consistent & dependable press performance eliminates downtime due to plate failures on the press
- Suitable for high-quality applications and stochastic screening
- Fast clean-up properties on the press; minimises start-up & restart-up paper waste
- Good dampening latitude allows high ink density and low damp levels

### Specifications

- Plate Type : Thermally exposed laser plate for sheet and web offset
- Coating : Infrared sensitive, positive acting
- Gauge (mm) : 0.28 & 0.30
- Spectral Sensitivity : 830 nm
- Exposure Energy : 120 - 130 mJ / cm<sup>2</sup>
- Resolution : 1% - 99% dot resolution at 200 lpi
- Image Colour : Blue
- Processing Steps : Conventional wet processing using recommended positive plate developer
- Replenishment Rate : 80 - 100 ml / m<sup>2</sup> (depending on usage)
- Run-length : 300,000 impressions without baking, longer run length on baking (actual run-length may vary depending on press conditions and ink & paper quality)
- Room Illumination : Office light (avoid daylight & direct sunlight on the plate)

### Recommended Processing Chemistry

- Machine Processing : StarPlus Universal Developer / Elite developer
- Processor Replenisher : StarPlus Universal Replenisher / Elite Replenisher
- Finisher : Unifin
- Deletion : Athena Deletion Fluid
- Baking Solution : Thermotect / RC 510

### Recommended Pressroom Chemistry

- Plate Cleaner : InstaKleen CtP
- Fountain Solution : Compatible with all fountain solutions from TechNova
- Deletion : Athena Deletion Fluid
- Press Wash : Compatible with all recommended washes from TechNova
- PressCare : Compatible with all recommended press-care solutions from TechNova

### Storage, Handling & Packaging

- Storage & Handling : 10°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 : 24 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

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.