

Software

PoliRIP : A Complete Digital Workflow Solution

- Powered by Adobe Postscript Level 3 Engine
- Simple to use, single window interface
- Print directly from all digital applications
- Drag and drop .pdf / .ps / .eps / .tif files
- Fully Network visible, including Mac
- High resolution screen preview
- AM, FM and Hybrid Screening
- CIP3 file generation
- Full scale imposition feature
- Total control over ink firing through printer head
- Unique 'Edge Pixel Removal' feature
- Optional in-RIP trapping; Ganging feature; Halftone colour proofing & Remote Control

Chemicals

Cleaners

- **InstaKleen HD** : Heavy duty emulsion plate cleaner for MetaJet Inkjet CtP Plates
- **InstaKleen CtP** : Emulsion plate cleaner for GreenJet Inkjet CtP Plates
- **PoliJet Plate Cleaner** : Premium, white emulsion plate cleaner and conditioner for PoliJet Inkjet Plates
- **PoliJet Fount** : Buffered fountain solution specially formulated for use with PoliJet Inkjet Plates

Finisher

- **GreenJet Plate Finisher** : High quality plate finisher & de-sensitiser designed for GreenJet Inkjet CtP Plates

Corporate Profile

TechNova is one of the world's largest manufacturers of analog & digital imaging products with the widest range of solutions for the print, publishing, packaging, textile, engineering, signage and photo industry.

Highlights

- World's only manufacturer of full range of Offset Plates : Violet, Thermal, Analog PS, UV CtP, Inkjet & Laser
- One of the world's largest manufacturer of Graphic Art Chemistry
- Widest Portfolio of Inkjet & Laser Media
- Winner of the prestigious GATF InterTech Technology Award
- One-Stop-Shop for Total Imaging Solutions
- Pioneer of the "Go Green" revolution in the Indian Printing Industry
- Partnering the printing industry in the Indian sub-continent since 4 decades
- Markets products to over 50 countries through its overseas offices and distribution network



Our objectives are :

- Our Planet is our most vital resource. We must do all we can to preserve it. We at TechNova have embarked on a "Go Green" mission.
- To promote Green awareness within TechNova, with our stakeholders and within the Indian 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 regard to the environment, & help our customers achieve the same.

To assist the printing industry to "Go Green", TechNova has introduced a bouquet of Green products

- Chem-free Digital Plates
- Process-free Inkjet CtP Solutions
- Alcohol-free & Alcohol-reducing Founts
- Aromatic-free Press Washes
- VOC-free Cleaners & Deglazers

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SmartJet iCtP solutions

SmartJet iCtP Solutions

A breakthrough in the CtP arena, the SmartJet Inkjet CtP Solution is the world's lowest cost-in-use, chemistry-free, CtP solution.

It provides conventional offset printers with a never-before competitive advantage, by combining the high-resolution, digital workflow & low cost of Inkjet imaging and finest print quality, high speed & long run-lengths of Offset printing.

A truly versatile system, the SmartJet Inkjet platesetter can image not only GreenJet, the Chem-free Metal Inkjet CtP plate but also PoliJet, the world's first and only No-process Polyester Inkjet CtP plate and PosiJet, the No-process Polyester Inkjet film.

SmartJet Inkjet CtP solution is ideally suited for offset printers aspiring to enter the CtP arena at lowest investment and highest ROI.

This revolutionary innovation is the result of TechNova's mission to help extend the life cycle of the medium-sized press establishments facing competitive pressures from digital and electronic media by providing an affordable option in Digital Imaging, which would help them achieve a sustainable advantage over competition.



Imaging Device

SmartJet Inkjet CtP Platesetters : Next-generation, true-flatbed, inkjet platesetters, powered by Epson's inkjet technology.

- Throughput of up to 15 pph (720 x 576)
- MicroPiezo TFP technology print-head
- Maximum resolution of 2880 x 1440 dpi
- Minimum spot size of 3.5 pl
- High nozzle pitch of 180 dpi
- Electronically controlled 3-pin Jig system for perfect registration
- Low power consumption : up to 65 W during operation
- Available in 24", 36" & 44" widths
- Small footprint of 160 sq. ft.
- From install to print in a jiffy
- Complete service and warranty back-up from TechNova & Epson

Post Imaging Devices

Integrated Baking & Gumming Unit : A travelling type fully automatic Baking & Gumming unit designed to seamlessly integrate with SmartJet Inkjet platesetter

- Thyristor controlled SWIR heating technology delivers precise and uniform baking of GreenJet plates ensuring consistently high fusing quality
- The balanced air flow ensures an exceptional heating uniformity across the plate within $\pm 3^{\circ}\text{C}$ tolerance
- Operating temperature : 170°C
- Max temperature : 200°C
- Variable travelling speed : 150 mm to 300 mm per minute
- Precision gumming rollers ensure uniform gumming of GreenJet plate for trouble-free press performance
- Power : 3 kW; 230 V; 15 Amps; 50 – 60 Hz

Integrated Exposing & Processing Unit : The TCX 80 Integrated Exposing and Processing Unit unleashes a new generation of plate processing technology.

- Heavy-duty system drive and high resolution encoder assures quiet and reliable operation
- Digital operation for accurate speed control
- Built-in water re-circulator for water savings and effluent control
- Efficient re-circulating dryer for fully dry, press ready plates

Plates

GreenJet : Revolutionary, eco-friendly, chemistry-free Metal Inkjet CtP plate

- Electrochemically grained & anodised
- Eliminates use of water & developer
- Resolution : 2% - 98% @ 150 lpi
- Max. width : 1030 mm; Gauge : 0.28 mm; 0.20 mm & 0.15 mm
- Safe Light : Daylight working
- Run-length : up to 100,000 impressions

MetiJet : The world's premium, pre-sensitised positive working Metal Inkjet CtP plate

- Multi-layer coating, electrochemically grained & anodised
- Resolution : 2% - 98% @ 150 lpi
- Maximum width : 1030 mm; Gauge : 0.28 mm; 0.20 mm & 0.15 mm
- Safe Light : Yellow
- Run-length : up to 100,000 impressions

PoliJet : The world's first No-Process Polyester Inkjet CtP plate

- Single-colour, two-colour, spot colour and AM & FM / Hybrid screen capable.
- Ideally suited for low-cost multi-colour on-demand printing by sheet-fed offset using high resolution conventional (AM) as well as stochastic (FM / Hybrid) screens
- Maximum width : 1030 mm; Gauge : 0.15 mm & 0.22 mm
- Run-length : up to 2000 impressions without baking and 20,000 impressions post baking

Positives

PosiJet : The world's most cost effective No-Process, Polyester Inkjet Film

- Fully transparent film, that looks & feels like silver-based film
- Imaged using a SmartJet inkjet platesetter
- Ideal for pleasing 4-colour positives
- Any format, no size limitation
- Available in roll widths of 360 mm to 1118 mm
- Base : Thermo-stabilised dimensionally stable polyester film
- Thickness : 100 microns
- Surface : Microporus matting grain surface

PosiJet is available in 3 variants :

PosiJet HD : No-Process High Density Inkjet CtPolyester Film for colour separations for Offset, Screen and Flexo applications

PosiJet ID : No-Process Instant Dry Inkjet CtPolyester Film for colour separations for Offset, Screen and Flexo applications

PosiJet QD : No-Process Quick Dry Moisture-resistant Inkjet CtPolyester film

