Press Release (For Immediate Publication)

TechNova @ drupa 2004

TechNova, one of the world’s largest manufacturers of digital & analog offset plates, chemicals, inkjet, laser and drafting media, will be showcasing an array of innovative CtP solutions at PrintCity (Hall 06, Stand A07) at drupa 2004. Some of them are:

- **PolyJet**: World’s First Inkjet, NoProcess, Computer-to-Plate-to-Press System
- **Thermostar TN**: World’s Fastest Long-run CtP Thermal Plate
- **Argos**: World’s Fastest CtCP, Negative working, Analog & Digital Plate
- **NovaDom Platinum**: Extra Long-run version of World’s Largest selling brand of Laser Polyester Plate
- **PosiJet**: Digital Silverless large format inkjet CtPositive Film
- **TotalCare**: NextGeneration FOGRA approved Fount
- **Stardust**: Ultra-long bath life, universally compatible thermal plate developer
- **NovaJet Inkjet Photographic Paper**: Ideal for true-to-life photographic prints from cameras, scanners & photo CDs

TechNova’s product offering includes a full range of consumables for conventional and digital imaging systems for advertising, photography, signage, printing and packaging as well as textiles, engineering, architecture, geology and business graphics.

In addition, TechNova has also received global recognition through the following awards:

- **GATF 1995 InterTech Technology Award**
- **World Economic Forum Awards (Davos)**

TechNova’s stand at PrintCity will be like a virtual CtP arena for a number of cutting-edge products for Computer-to-Plate, Computer-to-Positive, Computer-to-Photo, Computer-to-Proof and Computer-to-Print technologies. Next generation graphic arts chemistry, with a focus on CtP Chemistry as well as Founts & Washes that meet with FOGRA specifications, will also occupy a place of prominence at the stand.

Listed below are the “Must see ‘em” products at TechNova’s Stand at PrintCity.

**Computer-to-Plate**:

**World’s First Inkjet NoProcess Computer-to-Plate-to-Press System**: “PolyJet”

A technological breakthrough and a first-in-the-world product is the revolutionary PolyJet CtPolyester Plate. Four-colour jobs can be imaged on the plate using PolyJet wide format inkjet printer (based on Epson 7600). Imaged plates go directly to the press without any chemical processing. PolyJet plate would be ideally suited for the two and four page format presses for low-cost two and four-colour short-run jobs of 10,000 to 20,000 impressions.

Unique features are:

- High-resolution capability of plate surface allows stochastic screening for excellent tonal gradation and details.
- Flawless solid and reverse text reproduction.
- Dot gain conforming to industry standards.
- Excellent ink/water balance characteristics ensure brilliant prints, matching those of metal presensitised plates.
- Lowest cost CtP system in the world.
**International launch of Thermostar TN**

One of the biggest pre-drupa announcements from India has been the launch of TechNova’s Thermal Plate. This plate, Thermostar TN, which has been developed and patented by Agfa, will be commercially manufactured at TechNova’s state-of-the-art plant in India.

Thermostar TN is sensitised to 830 nm and is based on an innovative coating technology, offering fast imaging, convenient handling, and is ideal for stochastic or FM screening. Thermostar TN has been designed for high-end commercial printing applications and can achieve run-lengths up to 150,000 impressions (which can be extended up to one million impressions with baking); and 1 - 99% dot resolution using 250 lpi screen ruling.

And that’s not all! These plates can be handled easily and conveniently in daylight conditions, eliminating safelights and separate work areas. Besides which, they are as easy to develop, wash, and gum as they are to image, since Thermostar TN plates use conventional processing chemistry.

TechNova has painstakingly ensured that Thermostar TN can be integrated with the leading platesetters. These include several new systems which will be presented at drupa 2004.

TechNova’s Thermostar TN plates have been in use in almost all the CtP print shops in India for the past several months and the feedback has been astounding. Users have given top ranking to Thermostar TN for speed, latitude and reproduction.

Print samples from TechNova’s Thermostar TN plates, TechNova’s Argos CtCP plates and TechNova’s Athena presensitised plates will be displayed for examination by visitors. All the three samples will be printed using the same images and under identical conditions. (Don’t miss the stunning pictures of former Ms. World, Aishwarya Rai and the beautiful Madhuri Dixit!)

**Argos and Athena announce their arrival**

drupa 2004 will witness the introduction of TechNova’s Argos CtCP plate, a long-run, negative-working plate. Argos is a step forward in an attempt to enhance the finer results of conventional plates. It has a very short exposure time and a litho-grade electromechanically grained and anodised substrate, which permits productive imaging of the plate. The manufacturing technology is similar to Agfa’s Zenith N555, the world’s most popular negative-working plate. Argos’ improved sensitiveness makes it ideal for the newspaper segment.

TechNova is also launching Athena, the next generation positive-working plate, recommended for run-lengths up to 250,000 impressions. This high pedigree plate has given TechNova a cult status in the Indian printing industry.

**GATF 1995 InterTech Technology Award Winner : NovaDom Laser Polyester Plates**

Live demos of NovaDom Laser Plates, the GATF InterTech Award Winner will be worth witnessing. NovaDom plates can be imaged on both sides using the HP 5000 series or Xanté laser printers, and taken directly to the press for printing.

Special features are :

- HP approval for corrosion-free performance; safeguards the laser printers.
- Run-length capability of approx. 50,000 copies from one side and 10,000 copies from the other side of the plate (or 20,000 copies from both sides of the plate), under recommended imaging and press conditions.
- Zero toner scatter in the background areas, when imaged on HP, Xanté or other recommended laser printers and copiers.
- Excellent roll-up properties minimise start-up & restart paper wastage.

NovaDom has revolutionised the small offset plate scenario since 1995, especially in the US, and is currently the global leader in laser polyester plates. NovaDom has enhanced the competitiveness of small offset printers by providing them with long-run plates at a fraction of the cost of a conventional or CtP metal plate.

**Computer-to-Positive :**

**World’s First Clear Inkjet Film : “PosiJet”**

Another “First” from TechNova is PosiJet, a clear (i.e. fully transparent) inkjet film, which can be imaged on Epson 7600 to serve as an offset positive or screen-printing positive. PosiJet film is designed to produce high-resolution four-colour plate-ready positives in 2, 4 and 8 page formats, with UV-density matching silver-based films. PosiJet offers the lowest cost computer-to-film solution, ideally suited for newspapers, book & magazine publishing, and several other applications currently using expensive silver-based films. All it needs is a recommended inkjet printer for outputting pages created on standard page-composition workstations. Features that would make PosiJet demos a “must-see” :

- Fully transparent inkjet film. Looks & feels like a silver-based film.
- Ideal for preparation of one piece positives for tabloid & broadsheet newspapers.
- Single, spot & pleasing full colour reproduction capability.
- Unbeatable value for money.

Live demonstrations at the Stand using customer-supplied files will be convincing.
Laser Film with Silver-like UV-Density: “NovaSharp Diamond”

During the 90’s, TechNova’s NovaSharp range of laser films, (which can be imaged on laser printers to serve as plate-ready positives), enabled the newspapers to effect significant savings by substituting expensive silver-based camera and imagesetter films. NovaSharp Crystal, Pearl and Topaz Laser films have become industry favourites for single and spot colour work. NovaSharp Diamond, the new version, is designed for producing low-cost four-colour separations on high-resolution laser printers such as the HP 5000 series & Xanté. The special feature of this product is the high UV-density of the image, which further facilitates substitution of silver-based films.

Computer-to-Photo, Computer-to-Proof & Computer-to-Print:

Within a short span of time, TechNova has helped popularise the use of inkjet media for various Desktop and Large Format applications. Particularly noteworthy for the Graphic Arts industry are the inkjet proofing and photographic papers. TechNova offers the widest and most exciting range of world-class Inkjet Papers, Films, Vinyls & Specialty media for Desktop and Large Format applications.

Prints on the award winning NovaJet TruePhoto Inkjet Photographic Paper of digital photographs, using Epson & HP desktop printers at the stand, are indistinguishable from silver-based photo prints.

For the Large Format display, the demonstrations will include prints on NovaJet Gloss & Matte Papers & Films for indoor & outdoor applications, using an HP Large Format Printer.

NovaJet Inkjet Media for Large Format printing will include: Matte & Gloss Papers and Films; Outdoor Films; Backlit Films; Specialty media such as Canvas & Silver Metallic Film.

NovaJet Media for Desktop printing will include: Inkjet Photographic Papers (in substrates ranging from 130 - 270 gsm) for true-to-life photographic prints; Inkjet PhotoMatte Papers for presentations and concept proofs; Transparency Film for OHP presentations; Specialty Media such as Heat Transfer Papers, Opaque Gloss Films, etc; Artistic Media in a variety of colours and textured surfaces like Canvas-finish, Weave-finish, etc.; Colour Laser Media for colour laser printers that include Papers, Transfers and Films; Multipurpose Adhesive-backed Labels in various shapes and sizes, including CD labels, etc.

Next Generation CTG Chemistry:

TechNova, in keeping with the global trend for the high-end printers to insist on using high-performance products that meet with FOGRA specifications, will be launching an array of next generation fountain solutions and press washes for high-speed sheetfed and web offset applications. These products are manufactured in technical collaboration with Hydro Dynamic Products, U.K., and are the current rage in Europe. The products have been under field-testing for the past several months in India, and have met with amazing customer response.

Next Generation Founts

TotalCare Fount for high-speed sheetfed presses and heat-set web presses.
- Gives complete calcium control at all levels of water hardness and all paper and ink types.
- Enables reduction of Isopropanol/IPA usage by 50%.
- Safe on all metal plates and is free from harmful components.
- The ultra low-foam formulation is suitable for all water types, whether RO, soft, hard or deionised.
- Special ingredients prevent the build-up of impurities and films, previously hard to control in tanks and pipework.

CrownJewel Fount for high-speed cold-set web presses.
- Corrosion inhibited to FOGRA specifications.
- Specially formulated for compatibility with spray and turbo dampening systems.
- Runs at low water settings with wide latitude, making it easy to set up and adjust for optimum performance with cold-set inks, varying quality of newsprint and dampening systems.
- Water uptake by the ink is fast but controlled for lightening quick attainment of the perfect ink/water balance with excellent over-emulsification resistance.
- Contains very high levels of anti-linting agents that effectively reduce mean times between blanket washes.
- The ultra-low foam formulation removes problems associated with previous generations of strongly wetting fountain solutions.

Alcohol Substitute

AlcoZAP Concentrated Alcohol Substitute for Zero Alcohol Printing.
- Incorporates the best available IPA replacement with the widest latitude for universal use in sheetfed offset printing.
- Achieves Zero Alcohol Printing with minimum compromises and adjustments of press settings.
- When used with TotalCare Fount, AlcoZAP offers the customer the versatility of enhanced quality without the use of IPA.

Clean-air Washes

HMK Washes. Certified by FOGRA for MAN Roland, KBA-Planeta and Heidelberg presses.

Aromatic-free press wash-up concentrates.
- Comprehensively addresses the possibility of press corrosion. It is corrosion inhibited to FOGRA specifications for Heidelberg, MAN Roland and KBA presses.
- Equally suitable for manual and automatic cleaning machines using both scrubber and spray type devices.
- Available in both types: water miscible as well as non-water miscible. Water miscible wash has wide latitude, making it easy to set up and adjust for optimum performance.
- The absence of aromatic compounds and chlorinated hydrocarbons makes it safer and user-friendly.
- With its high flash point, HMK Wash 1 is ideal for use on heat-set machines.
About Us:

TechNova is one of the world’s largest manufacturers of digital & analog offset plates, chemicals, inkjet, laser and drafting media. Products include a full range of consumables for conventional and digital imaging systems for advertising, photography, signage, printing and packaging as well as textiles, engineering, architecture, geology and business graphics. Our technology alliance partners are Agfa (for offset plates & chemicals) and HDP (for chemicals).

Along with Agfa, TechNova is the only company in the world manufacturing the full range of CtP consumables i.e. inkjet photo papers for CtPhoto; inkjet proofing paper for CtProof; Thermal, Violet and UV metal plates for CtPlate; inkjet & laser polyesterplates for CtPoly; and desktop, large format & lasermedia for CtPrint.

Technova enjoys market shares of over 70% in each product category in the Indian subcontinent for over three decades, and significant market shares in targeted export countries. TechNova products are marketed in over 51 countries, backed by total performance and the lowest cost-in-use guarantees.

TechNova is an ISO 9001-2000 registered organisation and has received the prestigious “GATF 1995 InterTech Technology Award”, the Davos-based World Economic Forum’s “Top-performing, Global Growth Company Award” (1997) as well as the “Technology Pioneer Award” (2000).

TechNova manufactures its products in India (Bombay), in factories that are recognised to be on par with the best in the world. The plant capacity for offset plates & chemicals is 5th largest in the world, and for inkjet media, amongst the top 10.

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