



THE PRINTERS  
HOUSE

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***ORIENT***

*Imprinting Excellence Worldwide Since 1946*

**tph**

# An Introduction: Our history

Sri K.D. Kohli receiving  
the Kohinoor Ratna

The Printer's House (TPH) Orient group is a diversified group of companies founded in 1946 that is an industry leader in the manufacturing and supply of a host of engineered products from India. A renowned and trusted name globally when it comes to quality manufacturing.

**The Year was 1946.** K.D. Kohli, a freedom fighter and newspaperman, started The Printers House (TPH) Orient group. Since then, TPH has carved a formidable reputation as a quality conscious technology driven manufacturer of a number of products. Tph's adherence to global standards has enabled to export its products to more than 60 countries worldwide.

All our products are produced at factories in a 20 acre campus in Delhi NCR. Tph takes pride in being a company of Indian origin, started by an enterprising freedom fighter turned Newspaperman Mr. K.D. Kohli. The TPH Orient group is now a diversified group of companies and a market leader in printing machinery, packaging machinery, printing consumables, engineering services for Defence and aerospace, and solar energy.

However, it is in our humble origins we take solace and hope to continue to grow whilst supplying a product that can match any global standard.





# *ORIENT* NexGen

## PRINTING PLATES

Our range of offset and Flexo plates  
for the printing and packaging  
industries

Tin and other  
offset printing



Packaging



Applications

Newspapers



Commercial



A trusted  
partner  
with a  
proud  
tradition in  
printing

- We at TPH are proud to be the founders of printing technology in India. As the foremost pioneer in our field, we have been able to reach technical excellence in printing which can and is competing at a global level.
- As such, due to our immense knowledge of the end use printing machine Orient Nexgen consumables is proud to bring you a trusted and high quality range of chemicals, plates, and blankets that can increase longevity and improve the output of your equipment. We at Orient NexGen are proud to be your partners now and in the future.



# DIGITAL PRINTING PLATES- THERMAL

NEXGEN - T is the most robust thermal digital plate used for high-end long-run printing applications. It is designed for high-resolution, extra long-runs without baking and unmatched in its UV-ink run-length capability.

A tradition  
of **quality in  
print**



A close-up photograph of a microscope lens, showing a blue-tinted glass element. The background is a light blue and white geometric pattern of overlapping squares.

Globally  
acclaimed  
features

### FEATURES & BENEFITS:

1. Ideally suited for UV-ink printing without post-baking
2. Fully compatible with alcohol-free fount and enables customers to “Go Green” without the fear of plate failures
3. Accredited for use with all the leading brands of thermal plate setters & processors

### Storage & Handling

10°C – 25°C; 30% to 70% RH. If the storage temperature differs significantly from plate room temperature.

### Recommended conditions

Operating temperatures 23°C ( $\pm 2^{\circ}\text{C}$ ); 40% to 70% RH.

### Shelf-life

24 months under recommended storage conditions

### PRODUCTS SPECIFICATIONS

1. Plate Type Thermally exposed, positive digital plate for sheet and web offset presses
2. Coating : Two-layer system, infrared sensitive, positive-acting
3. Gauge (mm): 0.20, 0.28, 0.30
4. Spectral Sensitivity : 830 nm
5. Exposure Energy: 100-120 mJ / cm<sup>2</sup>
6. Resolution : 1%-99% dot resolution at 200 lpi screen; 280 lpi hybrid and FM capable



A photograph of a printing press control room. The background shows a window with horizontal blinds, through which some machinery is visible. A blue semi-transparent text box is overlaid on the left side of the image. The text inside the box is white and red. The overall scene is dimly lit, with light coming from the window.

Quality achieved  
through  
**tradition** and  
printing  
**expertise**

**Image Color – Blue -**

Processing Steps : Conventional wet processing using recommended plate developer  
Replenishment Rate : 80 - 100 ml/m<sup>2</sup> with recommended plate replenisher (depending on usage)

**Run-length-**

250,000+ impressions without baking; 100,000+ impressions using UV-inks (actual run-length may vary depending on press conditions and ink & paper quality)

**Room Illumination-**

Office light (avoid daylight and direct sunlight on plate)

**Machine Processing -**

Thermal Developer & Replenisher (Ready-to-use)

**Finishers -**

Nexgen Pro gum or any other reputed processor gum

**Plate Cleaner -**

Nexgen Plate Cleaners

**Fountain Solution -**

Compatible with all fountain solutions from Nexgen

**Press Wash -**

Compatible with all recommended washes from Nexgen

**Press Care -**

Compatible with all recommended presscare solutions





A history of  
**reliability and**  
**trust**

## UV-CTCP PRINTING PLATES

**NEXGEN - CT is the most robust UV -CTCP positive working digital plate used for high-end long-run printing applications world wide. It is designed for high-resolution, extra long-runs without baking and unmatched in its UV-ink run-length capability with baking.**



Undeniably  
vivid print  
quality and  
results

#### **FEATURES & BENEFITS:**

Computerized Laser Inspection System ensures supply of zero-defect plates

High-resolution holds even the sharpest line or the smallest dots

Wide exposure and processing latitude to ensure consistent image quality and press runs.

#### **Storage & Handling**

Unexposed plates must be stored in the original pack in a cool & dry environment. Recommended conditions : 20°C-25°C, up to 70% RH.

#### **Shelf-life**

For optimum results use prior to the "best before date" specified on the pack label.

#### **PRODUCTS SPECIFICATIONS**

Plate Type Positive-working

Substrate Litho-grade aluminum, electrochemically grained and anodized

Gauge (mm) 0.20, 0.28 & 0.30

Width (mm) 1500

Safe light Yellow

Spectral Sensitivity 360 - 420 nm

Recommended Ugra Clear 2

Recommended Stouffer Clear 3



A product  
with **durability**  
and **reliability**  
at its core

#### Resolution

2% - 98 % dot resolution at 175 lpi screen  
Image Color - Blue

#### Run-length

Up to 150,000 impressions under standard press room conditions

#### Machine Processing

Recommended Developer & Replenisher (Ready-to-use)

#### Finishers

Nexgen Pro gum or any other reputed processor gum

#### Plate Cleaner

Nexgen Plate Cleaners

#### Fountain Solution

Compatible with all fountain solutions from Nexgen

#### Press Wash

Compatible with all recommended washes from Nexgen

#### Press Care

Compatible with all recommended press care solutions

## 24X7 Servicing team for all your requirements

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Our servicing team located across India and worldwide provides customer support and maintenance for all your needs. Our patrons and their satisfaction is extremely important to us. With our servicing team you will receive prompt site visits, 24 / 7 virtual aid, and a partner who will help you with all your needs.







Ahmedabad



Bangalore



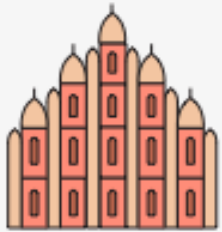
Chennai



Delhi



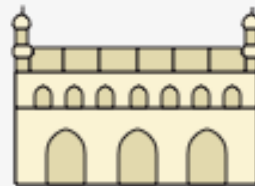
Hyderabad



Trivandrum



Kolkatta



Kottayam



Mumbai



Orissa

The TPH Family:  
Domestic Sales  
Network

- With 10 offices in prime locations across India TPH proudly marks its presence across the country.

## Quality Standards

- TPH is an **ISO 9001:2008** company
- TPH also has certification

### **OHSAS 18001:2007**

for health and safety Management System.

&

### **ISO 14001:2004**

for Environmental Management System.

- Over **3,000** quality checks are conducted for optimum performance



- The TPH Orient group manufacturing campus spans 20 acres in area with lush green landscape
- The campus houses various manufacturing units including a CNC workshop fitted with state of the art CNC's for mechanical engineering purposes. Additionally our numerous testing and quality control equipment and pool of engineers allows us to provide world class products globally.
- Our campus has facilities for products such as printing chemicals, offset printing machines, flexo printing machines, folder gluers , die cutters, high efficiency solar modules, printing plates, printing blankets, defense and aerospace engineered products etc.

## Manufacturing facilities







## The Global Presence



With exports to over 60 countries ,  
TPH boasts a huge export portfolio  
which exemplifies our commitment  
to deliver high quality and high  
precision products with world class  
quality.

## Our Contact Details

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