

Orient Super 30,000 CPH

# 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.

# The TPH Family

TPH boasts an employee pool filled with skilled engineers & professionals.

TPH has 10 branch offices in major Indian cities and over 30 agents worldwide

The TPH family also extends to its loyal and crucial vendor partners , some of whom have grown with us for over 60 years.





# 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.

# Manufacturing facilities

- 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.

# Our Patrons

Our distinguished Patrons

hindustantimes अमर उजाला

दैनिक भास्कर दैनिक जागरण

लोकमत The Indian EXPRESS नव भारत

राजस्थान पत्रिका The Tribune

दिव्य भास्कर मञ्जु रेPRO

आकाश संध्या

विप्लव चिन्ता

समय తెలంగాణ മാധ്യമം

ദേശാഭിമാനി സുകാ

The Herald PUNCH

LeDEFI MEDIAGROUP The Daily Star

প্রথম আলো বর্তমান

মানবকণ্ঠ সুপ্রভাত

আজাদী

With over 20,000 printing units supplied worldwide TPH enjoys strong relationships with some of the most distinguished and reputed commercial printers, publishers, and news houses in the world.

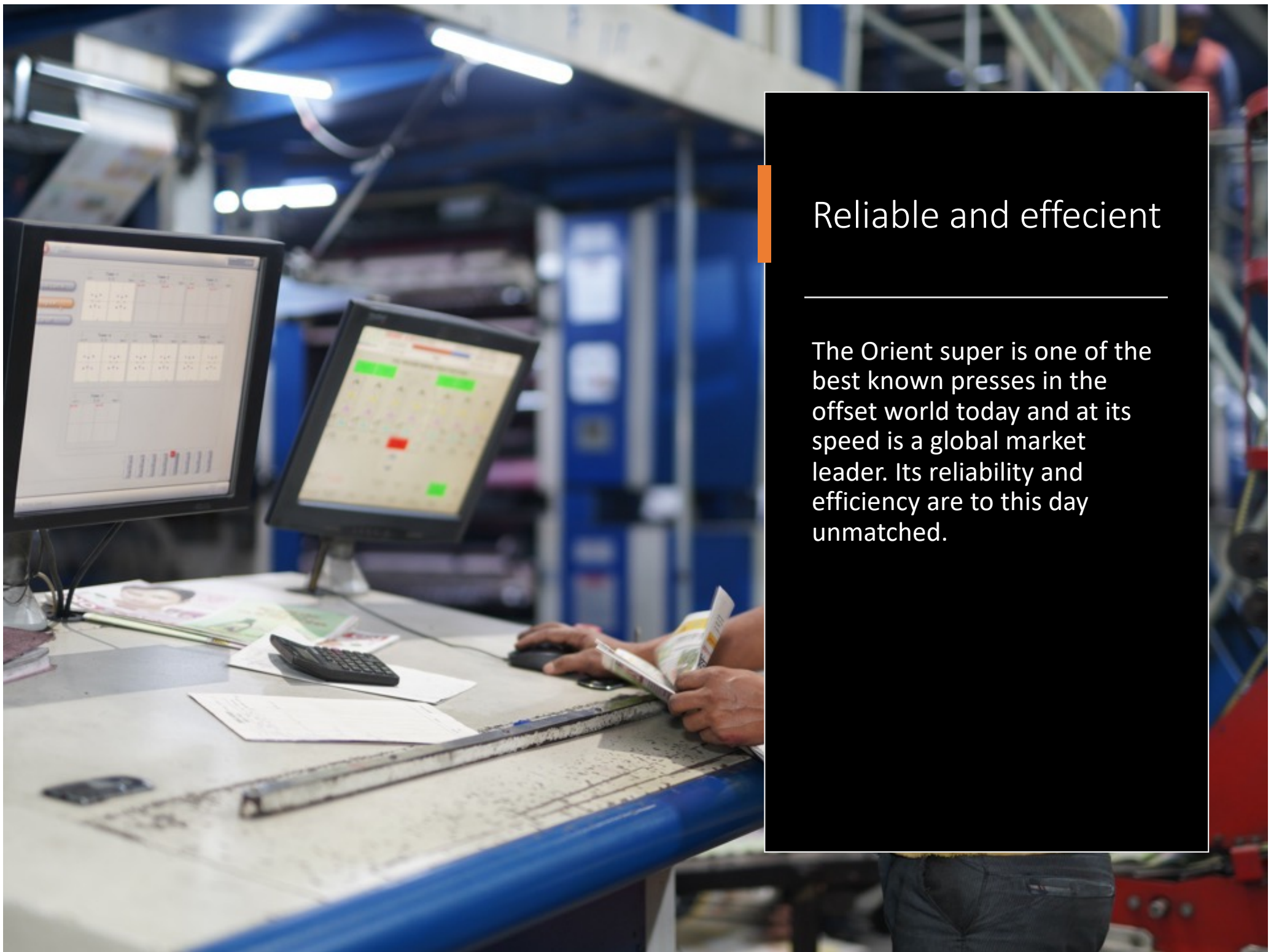
The background of the slide is a dark, close-up photograph of a blue industrial printing press. A control panel is visible, featuring a large circular analog gauge with a needle, several smaller gauges, and a row of four push buttons in green, green, yellow, and red. An orange rectangular graphic element is located in the top left corner.

# Orient Super

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Orient Super is a single width Single circumference web-offset press with a speed up-to 30000 copies per hour for high quality newspaper printing, tabloid printing, book printing and commercial products. The printing modules available for Orient Super are Mono Unit with Integral Reel stand, 3-Colour Satellite and 4 High Tower.

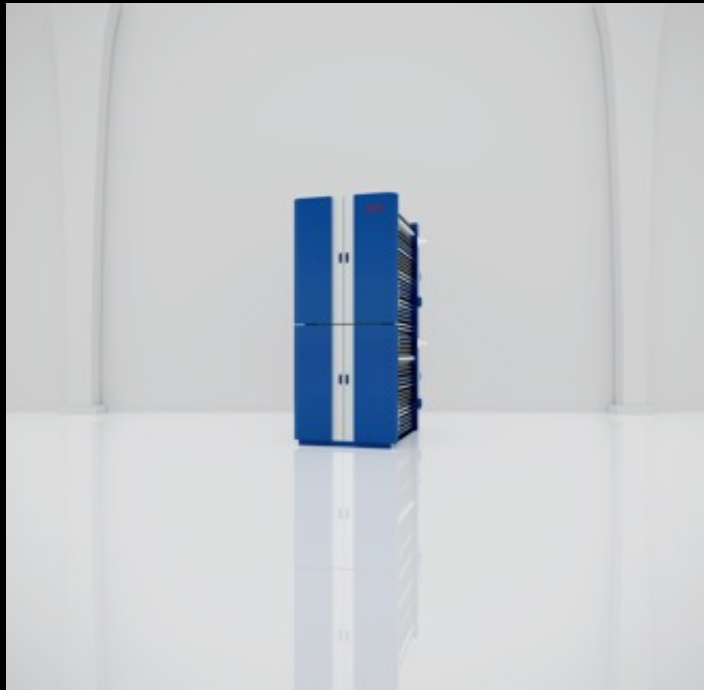
The Orient Super is a household name in the commercial printing sector and one of the most prolific presses of its kind.



## Reliable and effecient

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The Orient super is one of the best known presses in the offset world today and at its speed is a global market leader. Its reliability and efficiency are to this day unmatched.



**ORIENT**  
Web Offset Presses

**tph**  
*improving excellence worldwide*

**Super-30,000 cph**  
**Hindustan Times, India**

**Configuration**  
U1/ARC1+U2/ARC2+4HI1/ARC3+4HI2/ARC4+P(TF)+4HI3/ARC5+4HI4/ARC6

Legend: 4HI=4 Colour Towers, ARC= Auto reel changer, TF(T12) Rotary folder with 1/2 page fold, U is Mono Unit

Output	
Broadsheet	24pp- 16pp 4:4 color 68pp 1:1 color
Tabloid	48pp- 32pp 4:4 color

# Super 30,000 CPH 4HI tower

# Super 30,000 CPH 4HI tower

## **4 - HIGH TOWER**

- Lever-type swing-down ink fountain with overrides for ink fountain roller
- Dynamically-balanced Hard Chromium plated plate and blanket cylinders
- On the nose, slit or spring-type plate lock-up system.
- Motorized side register system for both plate cylinders, on the run
- Infra red web break detector • Safety guards
- Centralized oil pressure lubrication for drive gears
- Provision for printing 4 colours on both sides of one web, or 2 colours on both sides of two webs, or single colour on both sides of three webs • Heavy-Duty timer belt drive for 4 stack units
- On the run manual adjustment for registration of 4 colours on each side of web
- Motorized running circumferential register for loading side plate cylinders
- Variable-speed motorised dampening • Centralized water circulation system
- PU Covered ink vibrator roller • T-Bar blanket lock up system • Antiset-web transfer grater roller
- Pneumatic on /off for Main impression/Ink feed/Ink form & Damper form • Brushmist Dampening System
- Cable management system

## **OPTIONS**

- |                                                                              |                                                                      |
|------------------------------------------------------------------------------|----------------------------------------------------------------------|
| • Narrow gap blanket cylinder                                                | • Heavy duty Compensator                                             |
| • Centralized water circulation system with chiller                          | • Pillar clutch on either side of 4Hi                                |
| • Solid stainless steel plate and blanket cylinders                          | • Automatic grease lubrication for operating side bearing and bushes |
| • Hardened and ground bushes in frame for plate and blanket cylinder sleeves | • Spray Dampening                                                    |
|                                                                              | • AC drive                                                           |

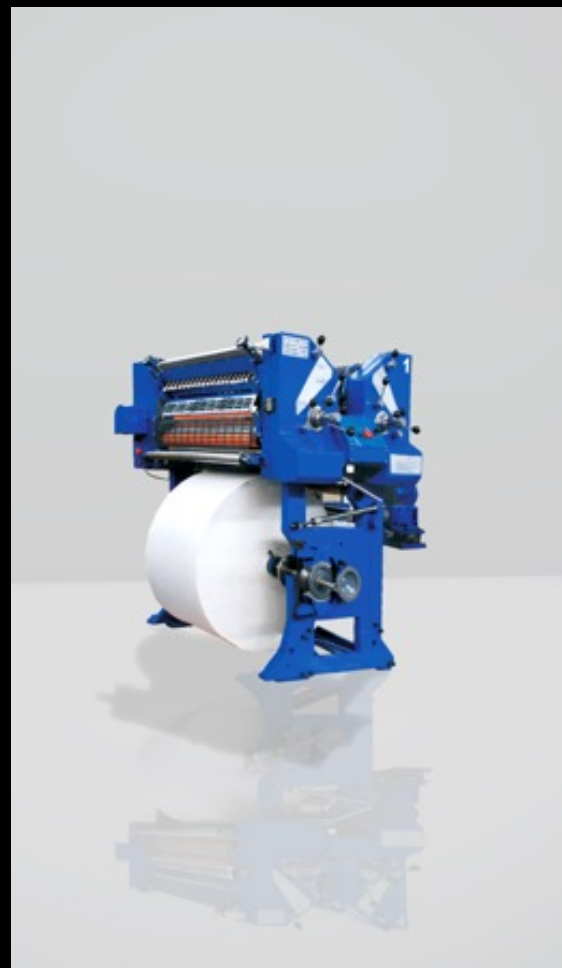
# Super 30,000 CPH mono unit

## MONO UNIT

- Lever-type swing-down ink fountain with overrides for ink fountain roller.
- Dynamically-balanced Hard Chromium plated plate and blanket cylinders.
- On the nose, slit or spring-type plate lock-up system.
- Motorized side register system for both plate cylinders, on the run.
- Infra red web-break detector
- Pneumatic on /off for Main impression/Ink feed/Ink form & Damper form.
- Safety guards
- Centralised oil pressure lubrication for drive gears.
- Provision for printing 2 colours on same side of web (direct litho).
- Variable speed motorized dampening
- Centralized water circulation system
- PU Covered ink vibrator rollers
- T-Bar blanket lock up system
- Brushmist dampening System
- Cable management system

## OPTION

- Motorized RCR for loading side plate register
- Heavy duty compensator
- Reel lifters (pneumatic control)
- Clutch on either side of unit
- Automatic grease lubrications for operating side bearing and bushes
- Auto reel changers
- Narrow gap blanket cylinder
- Centralized water circulation system with chiller
- Solid stainless-steel plate and blanket cylinders\*
- Hardened and ground bushes in frame for plate and blanket cylinder sleeves.
- AC drive



# Super 30,000 CPH 3 – Color satellite

## 3 - Colour satellite Unit

- Lever-type swing-down ink fountain with overrides for ink fountain roller
- Dynamically-balanced Hard Chromium plated plate and blanket cylinders
- Stainless steel, balanced main impression cylinder
- On the nose, slit or spring-type plate lock-up system
- Motorized side register system for all plate cylinders on the run
- Motorized running circumferential register on two plate cylinders • Safety guards • Centralized oil pressure lubrication for drive gears • Provision for printing 3 colours on one side of web or 2 colours on one side and 1 colour on other side of web • Heavy-duty compensator • Variable-speed motorized dampening • Centralized water circulation system • PU Covered ink vibrator roller • T-Bar blanket lock up system • Brushmist dampening system • Pneumatic on/off for Main impression/Ink feed/Ink form & Damper form
- Infra red web break detector, Cable management system



## OPTIONS

Automatic grease lubrication for operating side bearings  
AC drive  
Narrow gap blanket cylinder

- Centralized water circulation system with Chiller
- Solid stainless-steel plate and blanket cylinders\*
- Hardened and ground bushes in frame for plate and blanket cylinder sleeves.

## Orient Super - Technical Specification

PARTICULAR	CUT OFF					
	508mm	533mm	546mm	560mm	578mm	630mm
Printing Speed	30000Cph	30000Cph	30000Cph	30000Cph	30000Cph	30000Cph
Paper Width	660-889mm	660-889mm	660-889mm	660-889mm	660-889mm	660-889mm
Reel diameter (Max.)	1070mm(42")	1070mm(42")	1070mm(42")	1070mm(42")	1070mm(42")	1070mm(42")
Printing Plate Width	890mm	890mm	890mm	890mm	890mm	890mm
Printing Plate Length(gripper)	516mm	541mm	554mm	568mm	586mm	638mm
Printing Plate Length Unbent (Slit)	539mm	563mm	577mm	591mm	609mm	661mm
Printing Plate thickness	0.30/0.28mm	0.30/0.28mm	0.30/0.28mm	0.30/0.28mm	0.30/0.28mm	0.30/0.28mm
Rubber Blanket width	889mm	889mm	889mm	889mm	889mm	889mm
Rubber Blanket Length (T-Bar)	556mm	581mm	594mm	608mm	626mm	678mm
Rubber Blanket Length (Narrow)	587mm	602mm	615mm	630mm	651mm	703mm
Rubber Blanket thickness with packing	2.1mm	2.1mm	2.1mm	2.1mm	2.1mm	2.1mm
Rubber Blanket thickness W/O packing	1.7mm	1.7mm	1.7mm	1.7mm	1.7mm	1.7mm
Printing Length Max.(T-Bar)	482mm	507mm	520mm	534mm	552mm	604mm
Printing Length Max (Narrow)	493mm	518mm	531mm	545mm	563mm	615mm
Non-Printing gap(T-Bar)	26mm	26mm	26mm	26mm	26mm	26mm
Non-Printing gap(Narrow)	15mm	15mm	15mm	15mm	15mm	15mm
Paper Grammage(Uncoated)	38-100gm/sqm	38-100gm/sqm	38-100gm/sqm	38-100gm/sqm	38-100gm/sqm	38-100gm/sqm

# Our contact details

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