

ORIENT

THE PRINTERS HOUSE

ORIENT SUPER 30,000 CPH

Single Width Web Offset Press

Production-grade web offset press
for book, commercial, security & newspaper printing



ABOUT ORIENT

THE PRINTERS HOUSE

Est. 1946

Founded by Sri K.D. Kohli — a freedom fighter and newspaperman — TPH Orient has grown into a diversified group and global leader in printing machinery manufacturing.

Now in its third generation under a team of dedicated professionals, Orient continues to set benchmarks in quality, engineering, and innovation.

80+

Years of Excellence

Continuous manufacturing since 1946

20,000+

Units Supplied

Printing units delivered worldwide

60+

Countries

Global export footprint



PRODUCT OVERVIEW

The Orient Super

The Orient Super is a single width, single circumference web-offset press with a speed of up to 30,000 copies per hour. Designed for high-quality newspaper printing, tabloid printing, book printing, and commercial products — it is a household name in the commercial printing sector and one of the most prolific presses of its kind.



Engineered for

FLAWLESS
PRINTING

WHY ORIENT SUPER

Built for Speed. Engineered for Reliability.

30,000

CPH

Maximum Speed

Copies per hour for high-volume newspaper, tabloid, book, and commercial printing

3

MODULES

Flexible Configurations

Mono Unit, 3-Colour Satellite, and 4 High Tower — configure to your exact requirements

24/7

SUPPORT

Service Commitment

With 10 branch offices across India and 30+ agents worldwide, support is always within reach

A global market leader in web offset printing at its speed class.

Three Configurations, One Platform

01

Mono Unit

Single colour printing with integral reel stand. The foundation module — versatile, reliable, and proven across thousands of installations.

1-2 colours per side of web

Up to 30,000 CPH

02

3-Colour Satellite

Three plate cylinders around a single stainless steel impression cylinder. Ideal for 3-colour printing on one side with exceptional registration.

3 colours one side, or 2+1

Up to 30,000 CPH

03

4 High Tower

Four printing units stacked vertically for full 4-colour process printing on both sides of the web. The flagship configuration.

4 colours both sides

Up to 30,000 CPH

4 HIGH TOWER

Standard Features

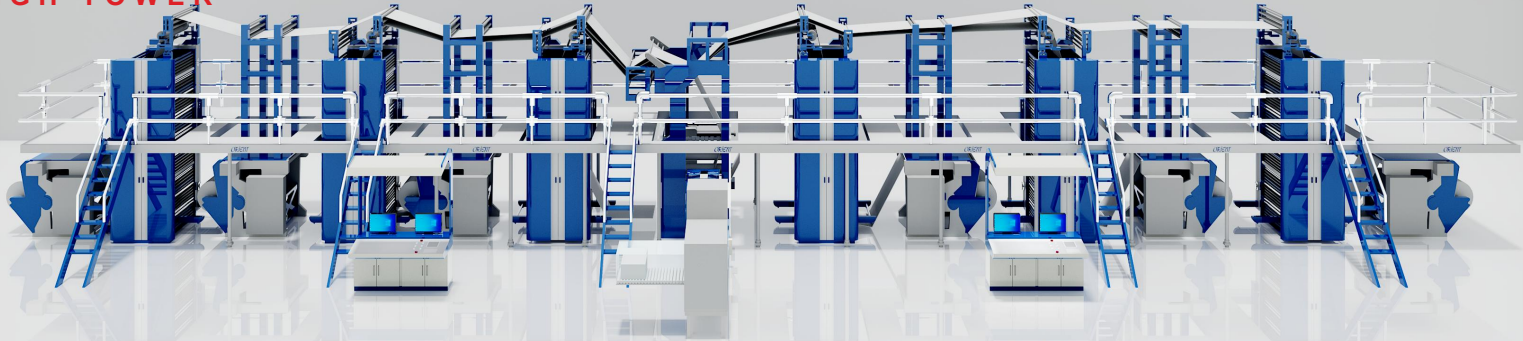
- Lever-type swing-down ink fountain with overrides for ink fountain roller
- Dynamically-balanced Hard Chromium plated plate and blanket cylinders
- On the nose, slit or spring-type plate lock-up system
- Motorized side register system for both plate cylinders, on the run
- Infra red web break detector and safety guards
- Centralized oil pressure lubrication for drive gears
- Provision for 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



OPTIONS:

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

4 HIGH TOWER



Standard Features

- 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 and 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 and cable management system

OPTIONS:

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

MONO UNIT

Standard Features

- 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

OPTIONS:

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

3-COLOUR SATELLITE

Standard Features

- 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 and 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 on other
- 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 and cable management system

OPTIONS:

Centralized water circulation with Chiller | Solid stainless-steel plate and blanket cylinders | Hardened and ground bushes in frame | Automatic grease lubrication for operating side bearings | AC drive | Narrow gap blanket cylinder

TECHNICAL SPECIFICATIONS

Orient Super 30,000 CPH

Parameter	508mm	533mm	546mm	560mm	578mm	630mm
Printing Speed (CPH)	30,000	30,000	30,000	30,000	30,000	30,000
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
Plate Length — Gripper	516mm	541mm	554mm	568mm	586mm	638mm
Plate Length — Unbent (Slit)	539mm	563mm	577mm	591mm	609mm	661mm
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
Blanket Length (T-Bar)	556mm	581mm	594mm	608mm	626mm	678mm
Blanket Length (Narrow)	587mm	602mm	615mm	630mm	651mm	703mm
Blanket Thickness w/ packing	2.1mm	2.1mm	2.1mm	2.1mm	2.1mm	2.1mm
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)	38-100 g/sqm	38-100 g/sqm	38-100 g/sqm	38-100 g/sqm	38-100 g/sqm	38-100 g/sqm

All specifications subject to change. Contact Orient for detailed configuration drawings.
Actual speed and performance may vary depending on operator skill, substrate type, and application.

W H Y O R I E N T

Why Orient?

Superior Print Quality

Line contact technology with excellent crisp prints. Superior proprietary print unit design with custom bearer and gear designs — low backlash with 2 micron accuracy.

Fully Backward Integrated

Everything is made in-house so the press is fully customizable. Due to our history we ensure excellent metallurgy and market-leading web handling.

Excellent Resale Value

Orient machines hold their value — excellent secondhand resale is a testament to build quality and market reputation.

Higher Grade Metallurgy

Orient uses higher grade of internal metallurgy than any of its competitors — leading to a more robust and long-lasting machine.

Full Service & Support

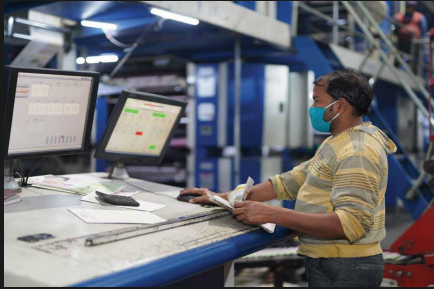
Full backward integrated in-house manufacturing with service and support staff across the country in 10 branches and 60+ countries worldwide.

A Legacy of Excellence

The oldest and first manufacturer in India — 80+ years of printing expertise with over 20,000 units supplied to 60+ countries.

PROVEN PERFORMANCE

Trusted by Leading Printers Worldwide



OUR DISTINGUISHED PATRONS

Equipment you can rely on



Our distinguished Patrons

hindustantimes अमरउजाला

दैनिक भास्कर दैनिक जागरण

लोकमत The Indian EXPRESS नवभारत

राजस्थान पत्रिका The Tribune

दिव्य भास्कर मनीष XPRO

ଆସୁତ୍ର ସିଂହଣା

ସମ୍ବାଦ କ୍ରିତକାରୀ

సమస్త తెలంగాణ మార్కెట్

ദേശാഭിമാനി സവാൽ

The Herald PUNCH

LEDEFI MEDIAGROUP The Daily Star

প্রথম আলো বর্তমান

মানবকণ্ঠ সুপ্রভাত

আজাদী

...and many more across India, South Asia, Africa, the Maericas, and the Middle East.



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

GET IN TOUCH

ORIENT

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ORIENT — THE PRINTERS HOUSE

Imprinting excellence worldwide

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