



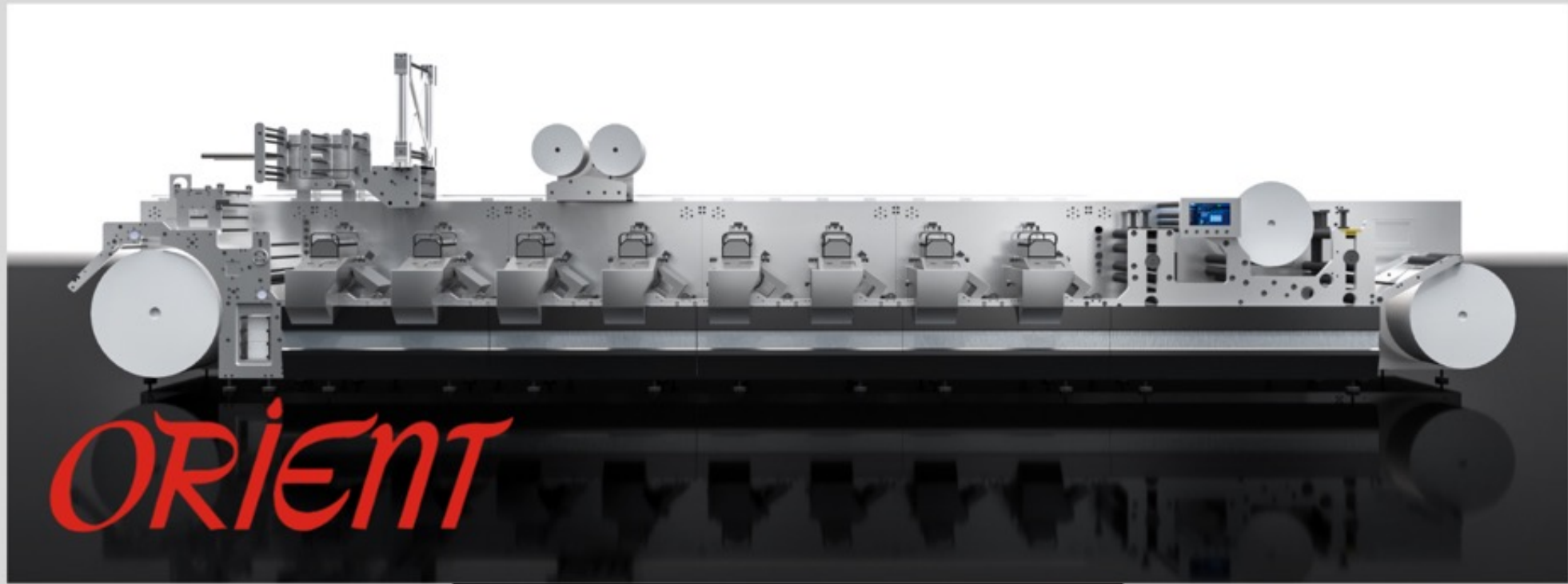
THE PRINTERS  
HOUSE

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*ORIENT*

*Imprinting Excellence Worldwide Since 1946*

tph



THE PRINTERS HOUSE

## ORIENT X-PRESS FLEX

A diverse range of narrow , mid, and wide width in-line flexographic printing machines



# 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.

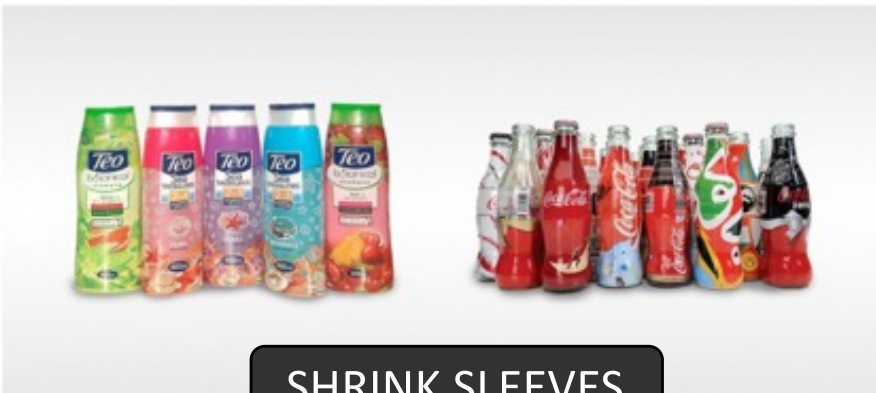
# The Orient X-PRESS Flex

- TPH Orient brings you India's first in line multipurpose range of narrow, mid, and wide width in-line Flexographic printing machines for the packaging industry.
- The X-PRESS flex is the epitome of innovation and customer centric design. This machine has been designed to provide quality printing on almost all types of substrates ranging from films to paper and label stock to mono cartons. With a focus on flexibility, this truly is the machine for modern day print shops in India and around the world.
- The X-PRESS Flex series provides numerous advantages to traditional equipment such as sheet-fed , rotogravure, or current flexographic printing machines due to its flexibility, quick and easy changeovers, sustainable green inks and consumables, up to 50% reduced wastage, and most importantly an ROI that is much quicker than any other machine/technology on the market today.



## Applications

The X-PRESS flex is a multipurpose machine targeted towards the modern day printer and converter who needs flexibility and adaptability in this ever changing commercial printing industry.



SHRINK SLEEVES



PAPER BAGS



POUCHES



FOOD LABELS

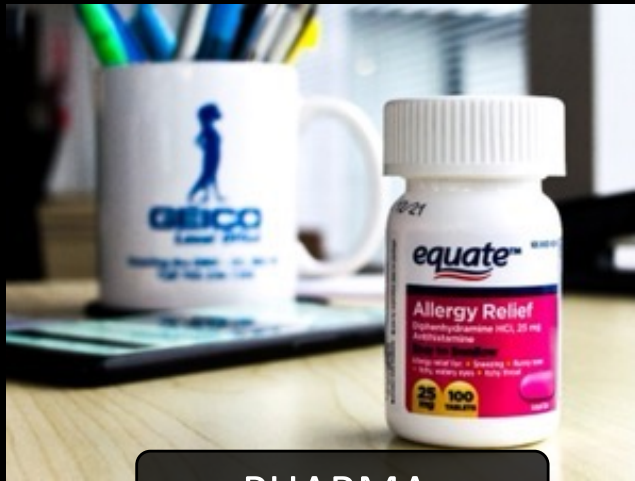


COSMETICS & FMCG

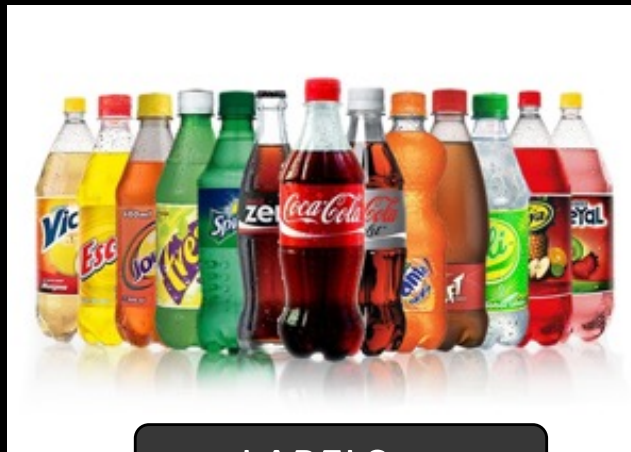


MONO CARTONS





PHARMA



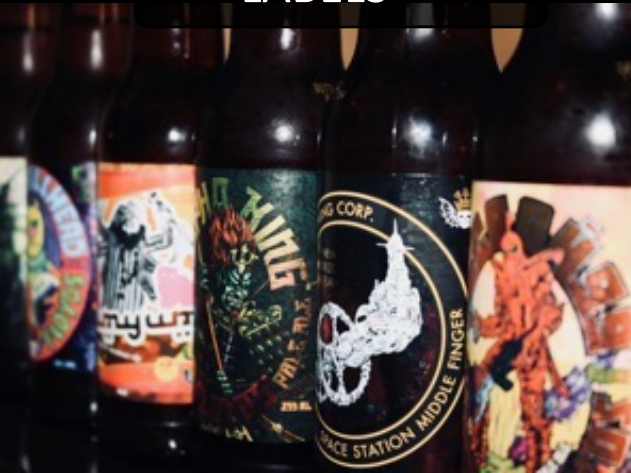
LABELS



LABEL STOCK




CONSUMER ELECTRONICS



# X-PRESS FLEX APPLICATIONS





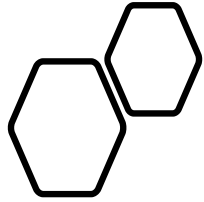
The Orient X-PRESS flex is a product that can proudly claim global industry leading engineering and performance.

Our in line petal design and sleeve technology based machine, is a truly innovatively engineered product that provides flexibility and focuses on providing our patrons with quick ROI's and a seamless printing experience. The X-Press flex is assembled and manufactured made in our in-house facility. As such, we are proud to bring our patrons equipment that will not only provide them globally acclaimed quality but also value and exceptional ROI's.

With our complete range of solutions in printing machines, converting machines, and consumables , TPH Orient is truly a brand our patrons can rely on as shown by the decades of trust we have enjoyed in our industries.

## The Orient X-Press flex: A history of innovation and trust





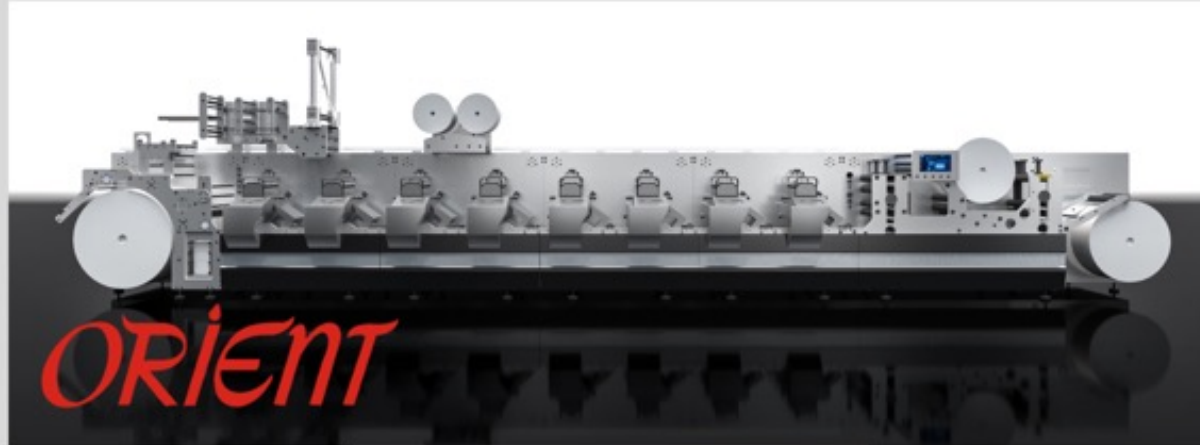
## Specifications and machine details:

The Orient X-PRESS flex comes in 3 models with each model providing different experiences and catering different needs.

Since this is a customized piece of equipment our team can guide you as to which model best suits your printing and converting needs.



# The Orient X-PRESS Flex: ASR Series



THE PRINTERS HOUSE



## Orient X-PRESS Flex: ASR 1000

Mouth watering  
ROI's

The Orient X-Press flex ASR 1000 is an engineering marvel that provides immense flexibility and quality at every stage. With ground breaking sleeve technology this press allows best in market changeover times resulting in lesser wastage and quick ROI's . Suitable for the most complex of printing jobs from film to mono-cartons this is truly a modern printing press. This press is commonly used to print paper, mono cartons, paper cups, paper bags, cartons , film labels, film pouches etc. The X-Press flex ASR 1000 is an ideal press for FMCG, food, medical, pharma etc. printing and provides excellent ROI's for the customer.



# Orient X-PRESS flex :

## ASR 1000

### – The technicalities

Specifications	Details in Metric
Substrate thickness range	Paper ≤ 450gsm & Film ≥ 15 microns (depending on material)
Max Web width range	1100 mm
Max Printing width range	1000 mm
Maximum Printing speed	200 m/min depending on substrate used
Print repeat length	300 – 1000 mm
Applicable ink	Eco friendly water based ink / UV ink / Solvent based ink
Drying	IR and hot air drying + optional UV
Drive	Servo (semi – servo / double servo optional)
Registration	Auto registration (optional)

A close-up photograph of an industrial printing press. The machine is dark grey with various rollers and components. A roll of multi-colored paper is being processed, with the colors appearing blurred due to motion. The background shows more of the machine's structure.

## Orient X-PRESS Flex : ASR 650

### Innovation at its core

The X-Press flex ASR 650 series is our 650 mm in-line Flexo press. This highly efficient and precise press is suited for printing on very thin films along with paper. This along with its width makes it an ideal replacement of many more traditional technologies and printing presses in the market today.

Focused on using innovation to provide customers with strong ROI's this press is a must have in most modern converting and packaging businesses. This machine can be used for film labels, shrink sleeves, film pouches, mono cartons, paper labels etc.

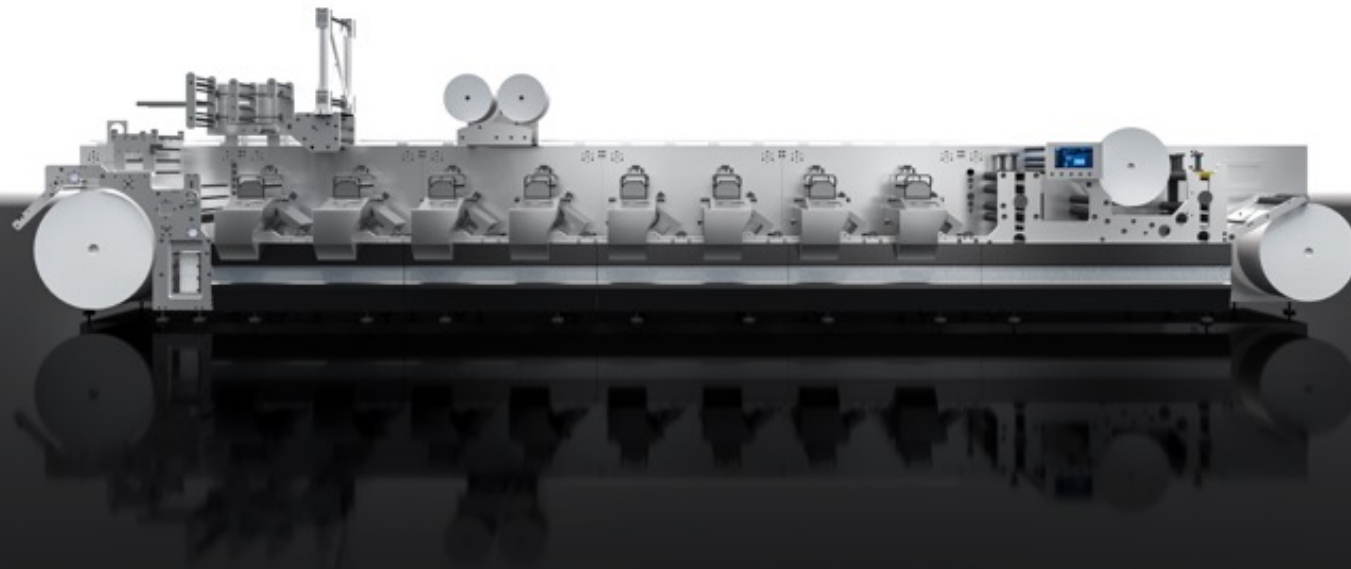
The X-Press Flex 650 is the epitome of innovation, flexibility, and customer centric design.

# Orient X-PRESS flex :

## ASR 650

### – The technicalities

Specifications	Details in Metric
Substrate thickness range	Paper ≤ 400 gsm & Film ≥ 10 microns (depending on material)
Max Printing width range	650 mm
Maximum Printing speed	200 m/min depending on substrate used
Print repeat length	Maximum up to 750 mm
Applicable ink	Eco friendly water based ink / UV ink / Solvent based ink
Drying	IR and hot air drying + optional UV
Drive	Servo (semi – servo / double servo optional)
Registration	Auto registration (optional)



**Orient X-PRESS flex :  
ASR 370/450 series**

**Precision with  
unrivaled print quality**

The X-Press flex ASR 370 series is our narrow web Flexo label printing machine. This press is an amalgamation of our knowledge of high quality printing and use of new and cutting edge technologies to produce a press that can provide a global standard of print quality. This press is suitable for paper and film labels and provides excellent ROI's for converters.

# Orient X-PRESS flex :

## ASR 370/450

### – The technicalities

Specifications	Details in Metric
Substrate thickness range	Paper ≤ 400 gsm & Film ≥ 10 microns (depending on material)
Max Printing width range	370 mm or 450 mm
Maximum Printing speed	180 m/min depending on substrate used
Print repeat length	190-610 mm
Applicable ink	Eco friendly water based ink / UV ink / Solvent based ink
Drying	IR and hot air drying + optional UV
Drive	Servo (semi – servo / double servo optional)
Registration	Auto registration (optional)






# X-PRESS Flex Slitter rewinder

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Heavy duty slitter and rewriter ensures a seamless  
post press experience for our customers.



Accessories  
and optional in line items

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A big advantage of this type of flexographic printing is that this machine is in line. This means we can add and delete units as and when we please. Things such as die cutters, sheeters, Slitter rewinders, offset units, gravure units etc. can all be added and included in this machine. This flexibility along with automation and drying facilities is a real advantage of this machine.

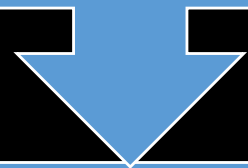


# Orient X-Press Flex HMI : Automation leading the way

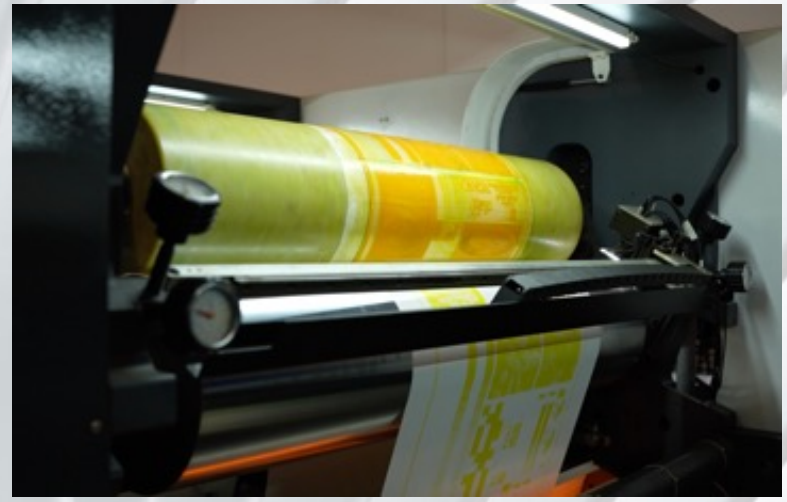
The X-Press flex is a fully automated machine with a state of the art man-machine interface. This interface allows the machine to house multiple types of automation and synchronize the in order to achieve improved ROI's and high speeds with strict quality control checks. Our interface is user friendly and is focused on making the experience intuitive for any operator to easily use.

# Sleeve technology : Customer centric design

TPH Orient has developed an in house sleeve technology system for our 650 mm width and wider models that allows for quick job change in minutes and a reduced operational cost as it doesn't require customers to house multiple cylinders during job changes.



This technology allows us to ensure exceptional ROI for our customers and increases ease of use for the operator.



## 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 partner who will help you with all your needs.



# 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.



Ahmedabad



Bangalore



Chennai



Delhi



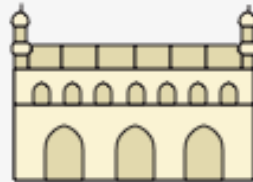
Hyderabad



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.



# 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.





# Quality Standards

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

**OHSAS 18001:2007**

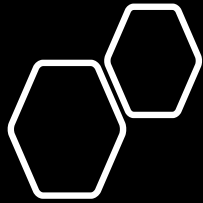
for health and safety Management System.

&

**ISO 14001:2004**

for Environmental Management System.

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



# Our contact details

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