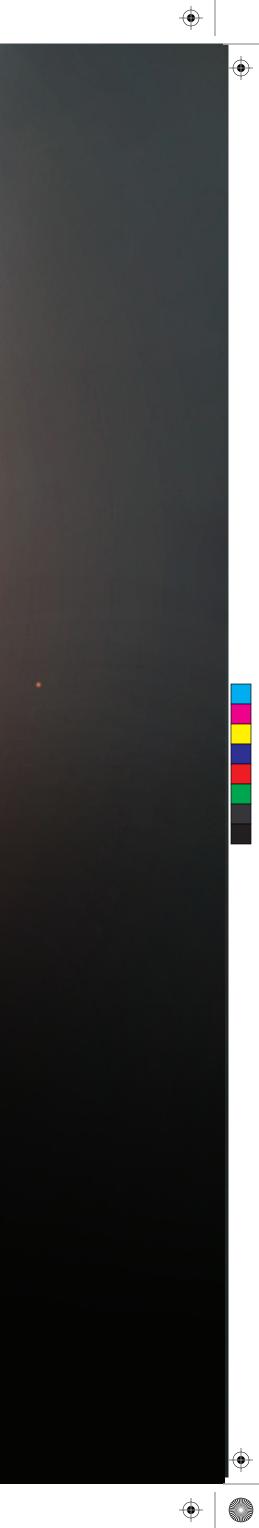


Imprinting Excellence Worldwide Since 1946



### An Introduction OurHistory

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

The Year was 1946. K.D. Kohli, a freedom fighter & 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. Kóhli. The TPH Orient group is now a diversified group of companies and a market leader in printing machinery, packaging machinery, printing consumables & 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

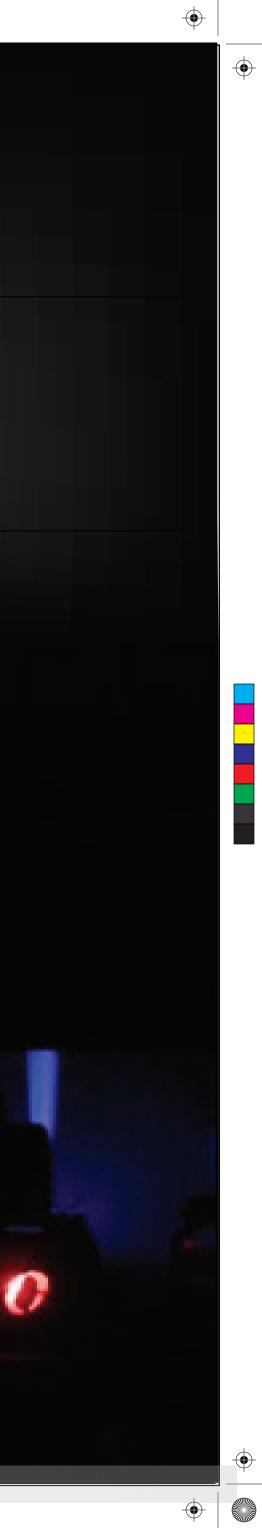
the packaging industry.

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 boasts **key USP's** in its features such as our proprietary in-house **Orient X-Gear** design along with our **unique custom cylinder assembly** design ensuring excellent registration, market leading speeds, and world class print quality. Additionally, our presses also boasts options for **sleeve technology** that allows for quicker changeover and an extremely use friendly customer experience. These features highlight our commitment towards customer centric design and providing a market leading product.



### TPH Orient brings you India's first in line multipurpose range of narrow, mid, and wide width in-line Flexographic printing machines for



# X-PRESSFLEX 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
- FOOD LABELS
- COSMETICS & FMCG
- POUCHES
- MONO CARTONS
- SHRINK SLEEVES
- FOOD LABELS
- PAPER BAGS
- COSMETICS & FMCG
- MONO CARTONS



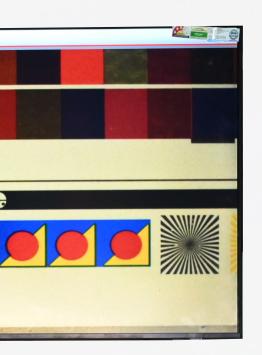




# Specifications & machine details

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

### The Printers House



Since this is a customized piece of equipment our team can guide you as to which model best suits your printing and converting needs depending on the width you require. We can also make custom width presses depending on your needs.





### Orient X-PRESS flex : narrow web series

Precision with unrivaled print quality

The X-Press flex ASR 330/370/450/550 series is our narrow web Flexo 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.





### Orient X-PRESS flex : 330-650 mm width – The technicalities

Specification	Metrics	Inches
Max Web Width	450mm (also available in all sizes mentioned above)	17.7"
Max Printing Width	440mm	17.3"
Printing Repeat	177.8- 609.6mm	7"-24"
Die – Cutting Repeat	304.8-609.6mm	12"-24"
Max unwinding diameter	1050mm	41"
Max rewinding diameter	1050mm	41"
Max Matrix diameter	600mm	23.62"
Driving mode	Full Servo (Single and dual Servo each unit)	
Gear Pitch	3.175mm	1/8"
Max mechanical speed	180m/min**	594 f/min**
Ink Curing	UV LED, Hot Air Drying and IR Dryer	
Applicable ink	UV LED Cured/ Eco friendly water-based ink/Solvent-based ink	
Substrate	Paper/film/cardboard	
Substrate Thickness	12 Micron to 400 Micron	
Cliché	1.14mm	
Sticky Back	0.38mm	
Drive and Motors	Rexroth Bosch	
Attachments	Delam Relam / Cold foil / Peal and seal /Turnbar	
Registration	Auto (both circumferential and lateral)	
Pre- Registration	Yes	
Second pass	Yes	

### The Printers House



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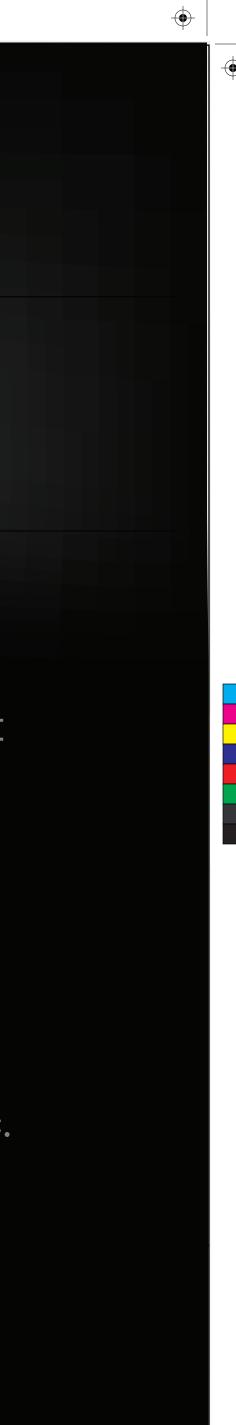




### Orient X-PRESS Flex: ASR mid-web series

### Innovation at its core

Our innovative mid-web range of in-line Flexo press coming in 650-1000 mm width sizes. 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, flexible packaging, label stock etc. The X-Press Flex is the epitome of innovation, flexibility, and customer centric design and suitable for all your printing and converting needs.



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### Orient X-PRESS flex : 650-1000mm width – The technicalities

Specification	Metrics	Inches
Max Web Width	650mm (also available in above mentioned sizes)	25.6"
Max Printing Width	640mm	25.2"
Printing Repeat	177.8- 609.6mm	7"-24"
Die – Cutting Repeat	304.8-609.6mm	12"-24"
Max unwinding diameter	1050mm	41"
Max rewinding diameter	1050mm	41"
Max Matrix diameter	600mm	23.62"
Driving mode	Full Servo (Single Servo each unit)	
Gear Pitch	3.175mm	1/8"
Max mechanical speed	180m/min**	594 f/min**
Ink Curing	UV LED, Hot Air Drying and IR Dryer	
Applicable ink	UV LED Cured/ Eco friendly water-based ink/Solvent-based ink	
Substrate	Paper/film/cardboard	
Substrate Thickness	12 Micron to 400 Micron	
Cliché	1.14mm	
Sticky Back	0.38mm	
<b>Drive and Motors</b>	Rexroth Bosch	
Attachments	Delam Relam (optional)/ Cold foil (standard)/ Peal and seal(optional)/Turnbar (optional)	
<b>Tension Range</b>	20-500 N	
Pneumatic	8 bar /20cfm non lubricated, dehumidified, and Filtered air	
Chill water	20-22 degree C	
<b>Electrical Voltage</b>	415V±10%	
Frequency	50 Hz (Standard)	
Ambient Temperature	20-40 degree C	
Registration	Auto (both circumferential and lateral)	
<b>Pre- Registration</b>	Yes	
Second pass	Yes	

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### The Printers House









### X-PRESS Flex: Uide web series

### Mouth watering ROI's

The Orient X-Pres flex wide web series is an engineering marvel that provides immense flexibility and quality at every stage. This press comes in 1000-1500 mm width sizes.

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 paper 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, flexible packaging 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 : 1000-1500 mm width – The technicalities

Specification	Metrics	Inches
Max Web Width	1100mm(also available in above mentioned sizes)	43.30"
Max Printing Width	1000mm	39.37"
Printing Repeat	350- 850mm	13.77"-33"
Max unwinding diameter	1200mm	42"
Max rewinding diameter	1200mm	42"
Driving mode	Full Servo ( Dual/ Single Servo each unit)	
Max mechanical speed	200 m/min**	
Ink Curing	IR Dryer/ Hot Air Dryer/ UV/ LED (depending upon application)	
Applicable ink	UV LED Cured/ Eco friendly water-based ink/Solvent- based ink	
Substrate	Paper/film/cardboard	
Substrate Thickness	12 Micron to 400 Micron	
Cliché	1.70mm	
Sticky Back	0.38mm	
Attachments		
Tension Range	20-500 N	
Pneumatic	8 bar /20cfm non lubricated, dehumidified, and Filtered air	
Chill water	20-22 degree C	
Electrical Voltage	415V±10%	
Frequency	50 Hz (Standard)	
Ambient Temperature	20-40 degree C	
Registration	Auto Registration from Baldwin	
Max Web Width	1100mm	
Max Printing Width	1000mm	
Printing Repeat	350- 850mm	
Max unwinding diameter	1200mm	
Max rewinding diameter	1200mm	

### The Printers House

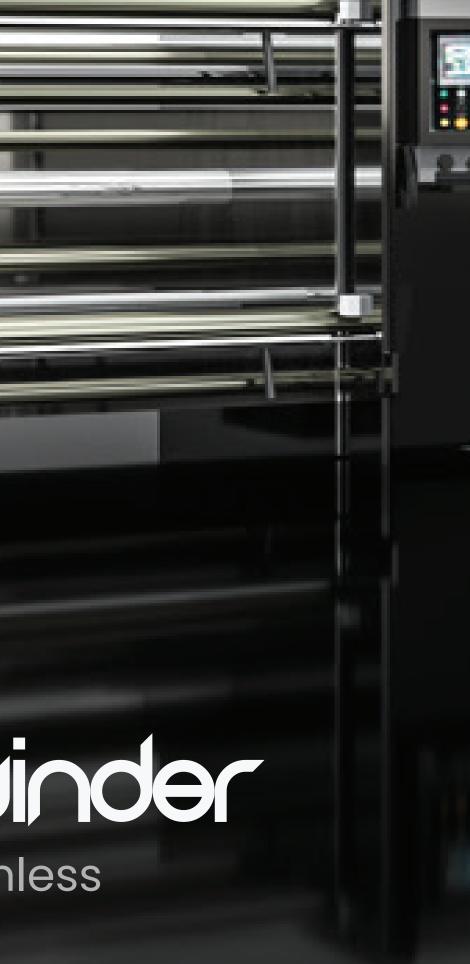


## X-PRESS Flex Slitter rewinder

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

### The Printers House





# Accessories and optional in line items

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, delam/relam 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.

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### 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.













### 24X7 Servicing team for all your requirements

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.

### The Printers House











# 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, solar inverters, lithium ion batteries, printing plates, printing blankets, defense and aerospace engineered products etc.







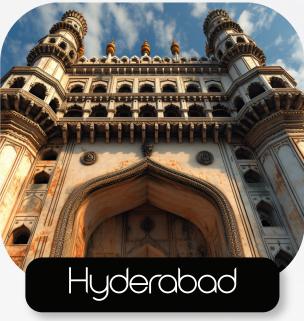


# The TPH Family : Domestic Sales Network

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



### The Printers House







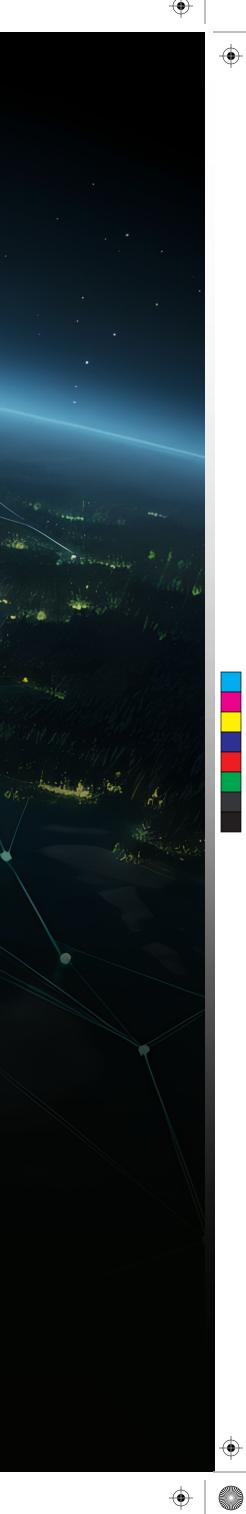






The Global Presence

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.





### The Printers House

### Quality Standards

1. TPH is an **ISO 9001:2008** company

2. TPH also has certification

### OHSAS 18001:2007

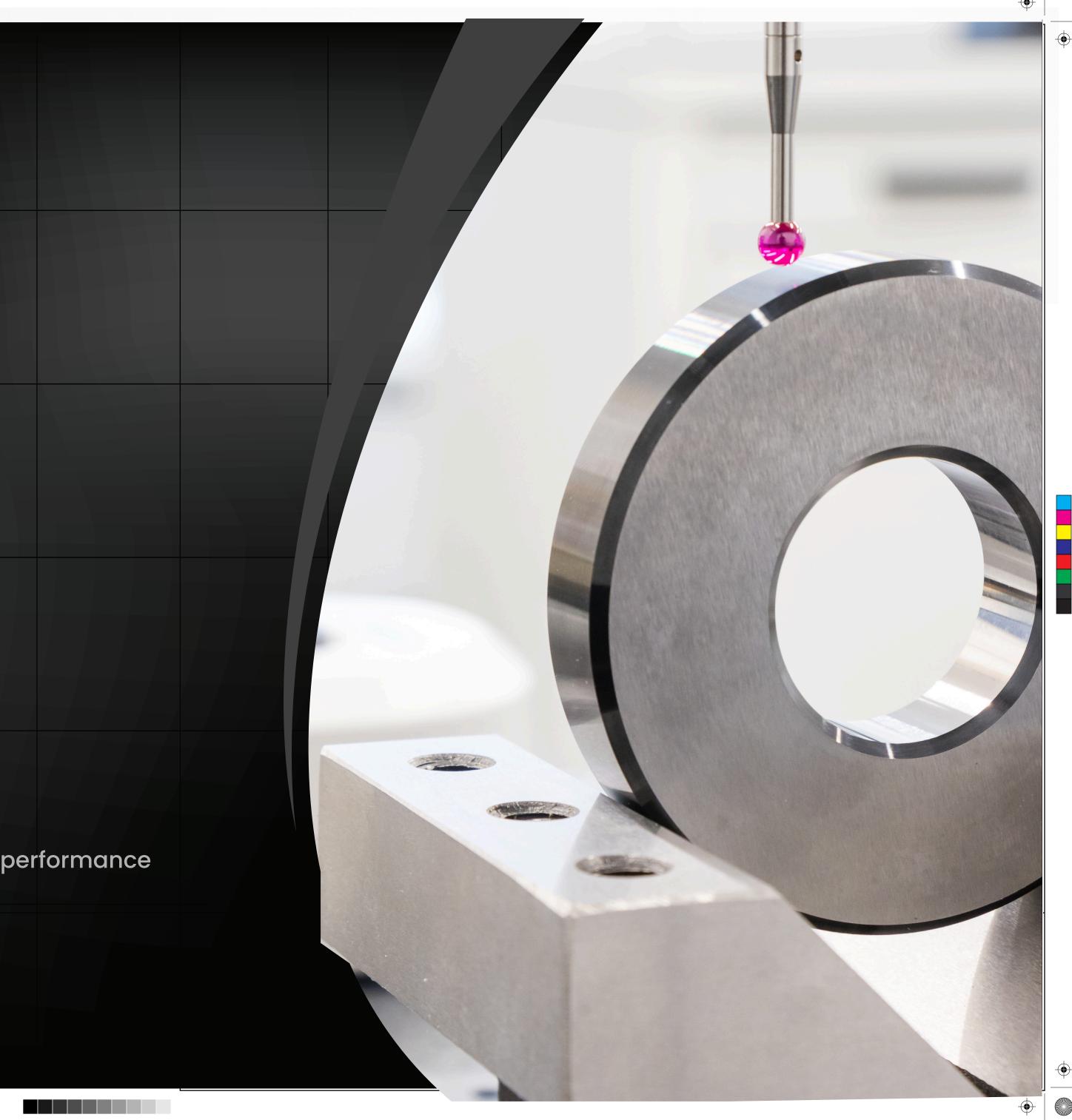
for health and safety Management System.

&

### ISO 14001:2004

for Environmental Management System.

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





### Our Contact Details

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