



Make a difference for  
**Cleaner** & **Greener** tomorrow

# ISHAN

[www.ishan-intl.com](http://www.ishan-intl.com)



**ISHAN - EXCELLING QUALITY AT ECONOMICAL COST**

A COMPLETE  
**PRINTING AND CONVERTING**  
SOLUTION

**I-FLEXO®**

# ISHAN

Ishan international is located in Ahmedabad, an industrial heart in the state of Gujarat, with operations spread to all corners of the country as well as beyond its borders. Ishan International has a state-of-art manufacturing facility with a built area of 44000 sq. ft. The facility boasts of well-equipped assembly shop with modern-day equipments. Our powerhouse of innovations - the R & D section works and in glove with our fabrication and machine shop which is augmented with all morden machines and process methodologies to bring our innovation to life.

We are tested & trusted name for mort than 300-plus criteria of the company across 32 countries and also we have more than 2300 different machines installed across the world. We have Service Support office in Lagos, Nigeria also we have representative in Mexico, Canada, South Africa, UAE, Saudi Arabia & Ghana.

## THIS IS WHAT WE CHOOSE

As a specialist and a well-respected, end-to-end flexible packing solution provider, Ishan International comprehends the difference between following benchmarks and setting them. Therefore, we do all that it takes to be ahead of the curve. We understand the technology that is needed today, in order to address the requirements of tomorrow. We know the significance of seamlessly integrating the present and the future. We know, hence we believe that innovation is the key that can make it happen and open endless possibilities.

## THIS IS WHO WE ARE

### ■ VISION

To be the preferred partner, by leveraging our qualities such as complete reliability, innovation and application of state-of-the-art technology, and to harness this goodwill, to emerge as a significant global player.

### ■ MISSION

To deliver the highest quality of comprehensive flexible packaging, printing and converting solutions, across sectors, to a varied clientele. Ishan International would effectuate this by adopting global best practices, investing in R&D, building a highly qualified talent pool and by delivering 'products of trust' across the processing and packaging value chain.

### ■ TRUSTED NOW AND FOREVER

Ishan's success and reputation is built on the bedrock of customer centricity. This has been made possible due to its sales service, available round the clock, and technical know-how of qualified engineers.

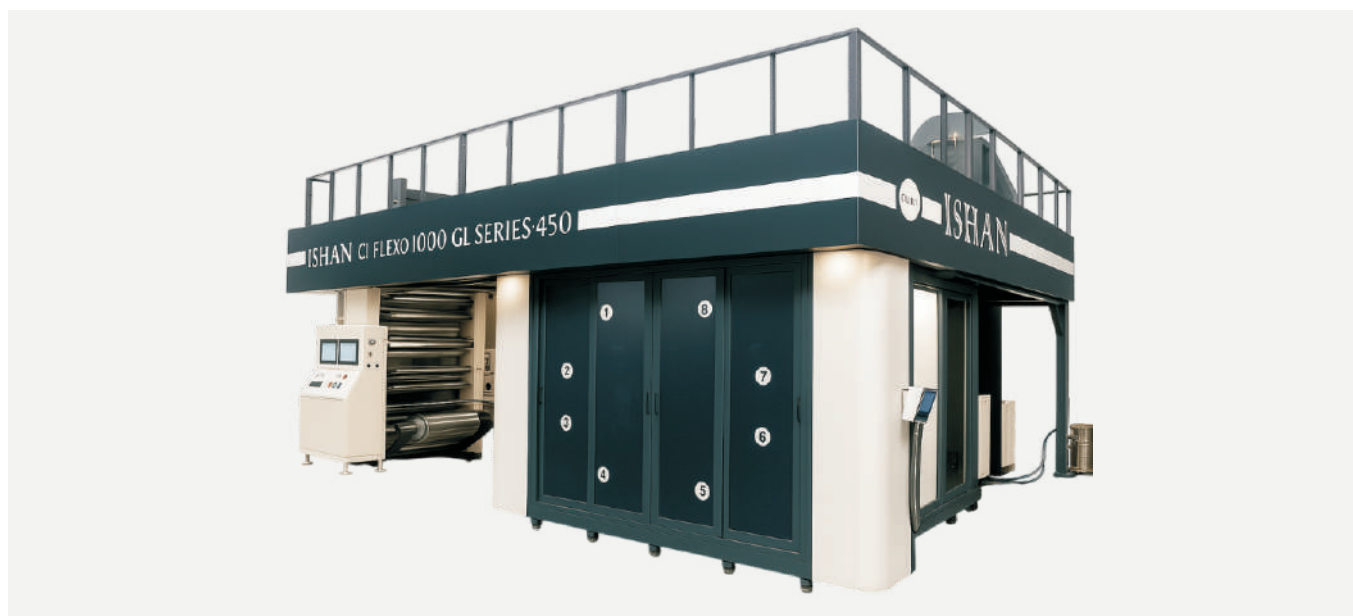
We are a quality conscious company and have won our clientele's trust over years of proven longevity and optimal utility of our products.

We pursue the highest standards and stringency in our stage wise quality checks and have spread this culture of quality first deep into the fabric of all our operations.



# CI FLEXO PRINTING MACHINE FULLY SERVO - GEARED / GEARLESS

# ISHAN



## TECHNICAL SPECIFICATION

MODELS	CIFLEXO-2 COLOR	CIFLEXO-4 COLOR	CIFLEXO-6 COLOR	CIFLEXO-8 COLOR	CIFLEXO-10 COLOR
Printing Possibilities	2 Color	4 Color	6 Color	8 Color	10 Color
Web Width*	Upto 1500 mm				
Print Repeat*	300-600 mm, 350-800 mm, 450-1200 mm				
Mechanical Speed**	Upto 150/200/250/300/450 meters / minute				

## SALIENT FEATURE

### Gearless CI Flexo Printing Machine

- Central Impression Drum surface precise Grind and Coated. With Dual Wall Design for water Cooling purpose.
- Multi Drive System with Servo
- Sleeve System with Air Mandrel for Anilox and Stereo for Quik Change over
- Ceramic anilox Sleeve.
- Machine with Gearless with IRC and web video.

### Geared CI Flexo Printing Machine

- Central Impression Drum surface precise Grind and Coated. With Dual Wall Design for water Cooling purpose.
- Multi Drive System for main Drive/In-Out Feed, unwind and rewind.
- Closed Chambered Doctor Blade System.
- Ink Circulation Pump with Stainless Steel ink tank.
- Ceramic anilox roller.
- Motorized Registration System.
- Web Video.

## OPTIONAL ACCESSORIES

- Corona Treater System
- UV Light System
- Auto Turret System for unwind and rewind station
- Ink Viscosity Control System
- Plate Mounting Machine
- Anilox Cleaning System

## MATERIAL TO PRINT

LDPE / LLDPE / HDPE / HM / PP / BOPP / Polyester Films, Breathable LD Films, Bio-degradable Films, paper, PVC Film, Aluminium Foil & Foil Paper



## FLEXO PRINTING MACHINE HIGH SPEED

### STACK FLEXO - 150-200 MPM

with ceramic Anilox Roller & doctor blade chamber system



#### ■ TECHNICAL SPECIFICATION

MODELS	2 COLOR	4 COLOR	6 COLOR	8 COLOR
Printing Possibilities	2 Color	4 Color	6 Color	8 Color
Web Width	600 mm to 1600 mm			
Print Repeat	350 mm to 850 mm			
Machine Speed	150/250 meters/minute			

#### ■ SALIENT FEATURE

- Five Drive System
- Auto Tension Controlled at Unwinder and Rewinder is controlled with load cell and AC Drive
- Closed Chambered Doctor Blade System
- Ceramic Anilox Roller
- Motorised Registration at each station
- Single Unwind and Single Rewind Station
- Separate Isolated Panel control with HMI on Machine
- Ink Circulation Pump with Stainless Steel Tank
- Air Shaft
- Web Guide

#### ■ OPTIONAL ACCESSORIES

- Corona Treater System
- Web Video System
- Auto Turret System for Unwinder, Rewinder
- Plate Mounting Machine
- Anilox Cleaning System

### GEARLESS STACK FLEXO - 250-300 MPM

with ceramic Anilox Roller & doctor blade chamber system



#### ■ TECHNICAL SPECIFICATION

2 COLOR	4 COLOR	6 COLOR	8 COLOR	10 COLOR
2 Color	4 Color	6 Color	8 Color	10 Color
600 mm to 1600 mm				
350 mm to 850 mm				
Up to 300 meters/minute				

#### ■ SALIENT FEATURE

- Multi Drive System including Servo
- Sleeve System with Air Mandrel for Anilox and Stereo
- Closed Chambered Doctor Blade System
- Shaftless Unwind and Rewind Station
- Ink Circulation Pump with Stainless Steel Tank
- Machine with Gearless with IRC and web video
- Separate Isolated Panel control with HMI on Machine

#### ■ OPTIONAL ACCESSORIES

- Corona Treater System
- UV Light System
- Auto Turret System for Unwinder, Rewinder
- Ink Viscosity Control System
- Plate Mounting Machine
- Anilox Cleaning System

#### ■ MATERIAL TO PRINT

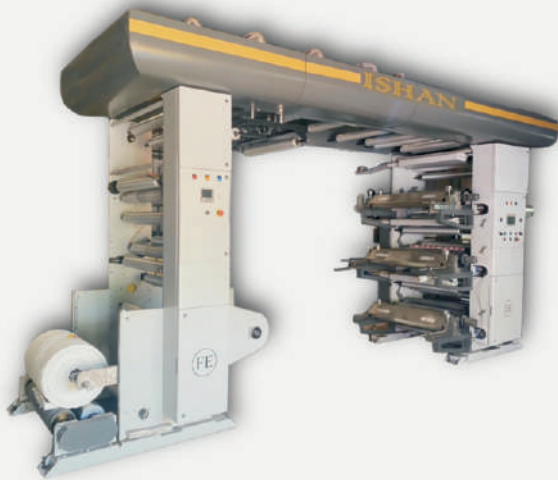
LDPE, PP, BOPP, HDPE Film, PET Film, PVC, Non Woven, HDPE/PP Woven Fabric, Paper, Aluminum Foil etc...



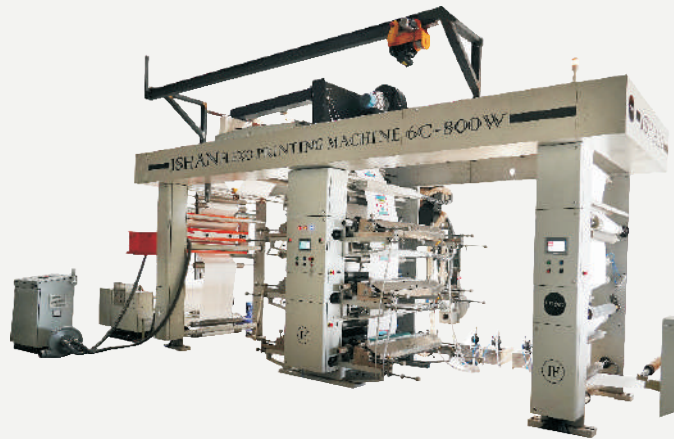


## FLEXO PRINTING MACHINE

### FOR NON WOVEN, PAPER, FILM



### FOR WOVEN FABRIC



### TECHNICAL SPECIFICATION

MODELS	IFLEXO-2 COLOR	IFLEXO-4 COLOR	IFLEXO-6 COLOR	IFLEXO-8 COLOR
Printing Possibilities	2 Color	4 Color	6 Color	8 Color
Web Width*	600mm to 1600mm			
Print Repeat*	350 mm to 1300 mm			
Mechanical Speed**	Upto 150 meters / minute			

\* Can be vary as per requirement \*\* Depends upon type of material and type of printing.

### SALIENT FEATURE

- Separate Geared Motor for Printing and Rewinding.
- Perfect Registration
- Uniform Impression.
- Dynamically balanced and hard chrome plated rollers.
- Silent air drying system fitted with high velocity centrifugal fan.
- Double / Single Winder & Rewinder.
- Reverse Printing arrangement.
- Auto Stop / Web break
- Operator Friendly

### OPTIONAL ACCESSORIES

- Online slitting & trimming Assembly.
- Tension Controller.
- Ink Circulation Pump.
- Synchronized Four Drive System.
- Pneumatic Air Shaft.
- Ceramic Anilox Roller
- Printing width up to 4000mm
- Hoist Crane

### MATERIAL TO PRINT

LDPE, PP, BOPP, HDPE Film, PVC, Non Woven, HDPE / PP Woven Fabric, Paper etc...



# MULTILAYER BLOWN FILM EXTRUSION MACHINE

(ABC / ABA & AB TYPE)

# ISHAN



## TECHNICAL SPECIFICATION

DESCRIPTION	UNIT	IML 1000	IML 1250	IML 1500	IML 1700	IML 2200
Film Layflat width Range	mm	600-1000	650-1250	900-1500	1000-1700	1400-2200
Maximum Film Output up to**						
1. LD-LD-LD	Kg/hr.	100-125	165-180	205-225	265-290	245-265
2. LLD-LLD-LLD	Kg/hr.	95-115	145-165	185-200	200-225	225-250
3. HD-LD-HD/LD	Kg/hr.	100-115	150-175	195-215	215-230	225-255
No. of Extruders	-	3	3	3	3	3
L/D Ratio	-	28:1	30:1	30:1	30:1	30:1
Extruder Option 1*	mm	40/40/40	50/50/50	55/55/55	55/55/55	55/55/55
Extruder Option 2*	mm	40/50/40	45/55/45	50/60/50	55/60/55	50/65/50
Die Lip Size	mm	250	300	350	375	425
Takeoff Roller Width	mm	1100	1350	1600	1800	2300
Total Connected Load	kW	95	146	172	175	194
Space Requirement (L x W x H)	m	11x5.5x7.5	15x9x13	16x10x13	16x10x13	17x10x13

\* Can be vary as per requirement \*\* Depends upon type of material and type of printing.

## SALIENT FEATURE

- Barrier Design screw
- Grooved feed design barrel for high outputs
- Fin type heaters for better control of heat
- Screw nitride upto 60 to 67 HRC
- High Output & Uniform melt quality at low temperature
- Dual lip design with high volume for excellent bubble control
- Four Segment cage with Teflon Bush
- Operator friendly frame setting
- PBT bushes as standard
- For all standard lines, reversing haul off forms an integral methods for gauge randomization
- Variable frequency A.C drive for nip
- Two station semi-automatic surface winders
- Pneumatic shaft
- Expander roller

## OPTIONAL ACCESSORIES

- Online reel changeover without any wastage
- Automatic reel change over and automatic web cross cutting mechanism
- Load cell for tension control
- Gravimetric dosing or batch blending with yield control
- Fully automatic thickness measurement and control
- Automatic Winder
- IBC System

## APPLICATION

Shopping bags, Water Pouches, Lamination Film, Garbage Bags Shrink Wrap Film, Oil Packaging, Milk Packaging, Liners.



# MONOLAYER BLOWN FILM EXTRUSION MACHINE

# ISHAN



## TECHNICAL SPECIFICATION

MODELS	ML 32	ML 40	ML 45	ML 55	ML 65
Screw Size	32mm	40mm	45mm	55mm	65mm
L/D Ratio	28:1	28:1	28:1	28:1	30:1
Die (HM/HDPE)	50mm	60mm	80mm	100mm	150mm
Die (LD/LDPE)	100mm	120mm	150mm	200mm	250mm
Output/hr.	30-40	40-50	60-70	80-110	110-140
Web Width upto*	500	600	800	1000	1300

**Suitable Material :-HM-HDPE , LDPE, LLDPE, COMPOSTABLE, BIODEGRADABLE AND PLA**

**Feed Section:- Grooved Feed**

\* Can be vary as per requirement \*\* Depends upon type of material and type of printing.

## SALIENT FEATURE

- Screw Type :- Barrier / Bimetallic
- EN41B material Gas Nitride Screw and Barrel Helical Gear Box
- AC Drives for Extruder and Take-Up
- Lowest Energy Consumption
- High Output
- Space Saver

## OTHER VARIANT

- Twin Die Extruder
- Extruder with One, Two, Three & Four Color online printing.

## APPLICATION

Carry bags, Tshirt Bag, Shopping bags, Water Pouches, Garbage Bags Shrink Wrap Film, Milk Packaging, Liners & Gloves

## OPTIONAL ACCESSORIES

- Duplex Winder
- Corona Treater
- Rotating Die
- Gusset Unit
- Hopper Loader



## DOUBLE DECKER BOTTOM SEALING MACHINE

# ISHAN



### APPLICATION

Suitable for manufacture of all kind of Shopping Bag, Garbage Bag, D-Punch Bags, Grocery Bags etc



### SALIENT FEATURE

- Servo System for High Speed with Accuracy.
- Two PID digital temperature controllers Plastic Film Loop Controller.
- Plastic film loop controller.
- Conveyor.
- Online Punching and Manual Punching is available.

### TECHNICAL SPECIFICATION

MODELS	DDBS 600mm	DDBS 700mm	DDBS 1000mm
Sealing-Cutting Width	550mm	650mm	950mm
Cut Length (Max. mm)	1500mm	2000mm	2000mm
Working Cycles	70-125 st/min		
Heating Elements	2000x4 watts		
Film Reel Out Side Dia	600mm		
Main Drive AC Frequency 3 phase	1 HP	1 HP	1.5 HP
Unwinder Drive AC	0.25 HP , 2 Nos.		

**Suitable Material: HM, LDPE, HDPE, LLDPE, PP, PVC**

## BOTTOM SEALING MACHINE WITH ONLINE PUNCH



### APPLICATION

Suitable for manufacture of all kind of bags viz T-Shirt Bags, D-Punch Bags, Grocery Bags etc



### SALIENT FEATURE

- Two line
- Online Punch makes the bag ready to dispatch.
- Servo System for High Speed with Accuracy
- Static Eliminator with Electrodes
- Plastic Film Loop Controller
- Conveyor

### TECHNICAL SPECIFICATION

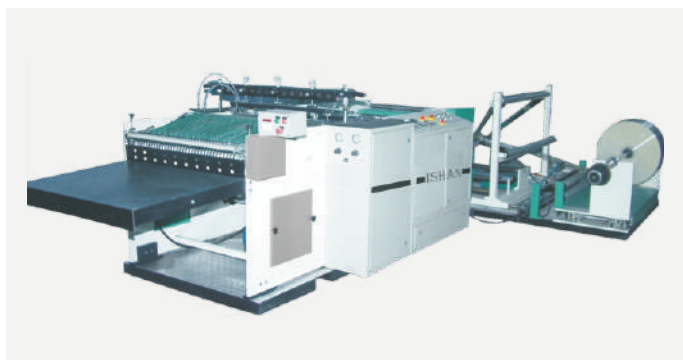
MODELS	IBS 450MM	IBS 600MM
Sealing-Cutting Width (mm)	400	550
Cut Length (Max. mm)	650	650
Working Cycles (st/min)	Up to 250 to 350 pcs / min x 2	

**Suitable: HM, LDPE, HDPE, LLDPE, PP, PVC**



## SIDE SEALING BAG MAKING MACHINE

# ISHAN



### ■ APPLICATION

Variety of bags like handle punch, pre sealer, bottom gusset, inside / outside lip former, lateral sealer, perforation, tape applicator for courier bags, web aligner etc.

### ■ TECHNICAL SPECIFICATION

MODELS	ISS 800mm
Web Width	800mm
Production Speed*	Up to 240 strokes/min
Bag Size	100mm – 700mm

**Material Can be print: HM, LDPE, HDPE, LLDPE, PP, BOPP**

\* Depending On Pouch Size, Thickness and Material

### ■ SALIENT FEATURE

- Servo system for High Speed with accuracy
- Sense Alarm and cut off system
- AC Drives for Main and Unwind
- Photocell provided for printed material
- Static will be eliminated with cutting and sealing
- Key board setting for different bag lengths
- Servo Driven with PLC

### ■ TECHNICAL SPECIFICATION

- Edge Guide System (EPC) at unwinder
- Perforated sealer
- Servo Stabilizer
- Auto Tension Controller
- Sheet Folding Device
- Bottom Guesting
- Sealking Tape attachment

## CENTER SLITTING MACHINE



### ■ SALIENT FEATURE

- 4 Drive system for Synchronized Unwinder, Main Drive & both Rewinders
- Touch Screen Panel for easy and smart operating.
- Digital Web Line Guiding System.
- High Performance Differential Winding Shafts.
- System Consist of AC Drive, load cell for feedback, Ultrasonic Sensor.
- Each rewriter equipped with pneumatically loaded lay on assembly with contact pressure control.
- Taper Tension System for Rewinder
- Touch Screen System for easy Operating
- Pneumatic Break Auto Tension Control System at Unwinder
- Differential Shafts at Rewinders

### ■ TECHNICAL SPECIFICATION

MODELS	ICS 1300mm	ICS 1600mm
Web width*	1300mm	1600mm
Max. reel dia. at unwinder	800mm	1000mm
Max. reel dia. rewind	450mm	600mm
Range of Slitting Width	100-650mm	100-650mm
Mechanical Speed (meter/min)**	300	400

**Suitable Material : Polyester, Laminates, BOPP, Aluminum Foil**

\* Can be vary as per requirement. \*\* Depends upon type of material and type of printing.

## LAMINATION MACHINE



### SOLVENTLESS

#### ■ SALIENT FEATURE

- High precision measuring steel roller, three rollers for Adhesive Transfer.
- Adjustable Adhesive Quantity
- Centralized HMI Operation for Various Parameters Machine Operations
- Roller Heating Through Water Heating Systems
- Adhesive Auto Mixer (Adhesive Dosing System)
- High precision A.C. Multi drive System
- Shaftless Unwinder and Rewinder

#### ■ TECHNICAL SPECIFICATION

MODELS	ISHAN SL 1000mm	ISHAN SL 1300mm
Working Web Width*	1000mm	1300mm
Max machine speed	Upto 300 & 400 mtrs/min	
Un-winder / Re-winder diameter	800mm (350 Kgs.) to 1000mm (500 Kgs.)	

**Laminates Substrates Material: Polyester, BOPP, LDPE, Aluminum Foil, Paper etc**

\* Can be vary as per requirement, if possible



### SOLVENTBASE

#### ■ SALIENT FEATURE

- 5 Drive System – (03 Drives One each for Coating Unit, Laminating Unit, Rewinder & 02 Pneumatic breaks for both Unwinders)
- Pneumatic Break Auto Tension Control by 5 Drive System at both Unwinder
- Touch Screen Operating System
- Pneumatically operated rubber roll
- Web Aligner
- Pneumatically operated chamber
- Doctor Blade operated Pneumatically
- Shaftless System for both Unwinders & Rewinder

#### ■ TECHNICAL SPECIFICATION

MODELS	ISHAN BL 1000mm	ISHAN BL 1300mm
Working Web Width*	1000mm	1300mm
Max machine speed	Upto 250 mtrs/min	

**Material: Polyester, Poly, BOPP, Aluminum Foil, Paper etc**

\* Can be vary as per requirement, if possible



# ROTOGRAVURE PRINTING MACHINE

# ISHAN



## ■ TECHNICAL SPECIFICATION

MODELS	IROTO-2 COLOR	IROTO-4 COLOR	IROTO-6 COLOR	IROTO-8 COLOR	IROTO-10 COLOR
Printing Possibilities*	2 Color	4 Color	6 Color	8 Color	10 Color
Web Width*	500mm to 1600mm				
Max Cylinder Circumference	350mm to 800mm				
Mechanical Speed**	150 to 250 meters/minute				

\* Can be vary as per requirement, if possible \*\* Depends upon type of material and type of printing.

## ■ SALIENT FEATURE

- Registration Control : Motorized
- 5 Drive System for Unwinder, Infeed, Main Drive, Outfeed & Rewinder.
- Safety Chuck & Air Shaft.
- System at 'S' Roll for quick repeat job setup.

## ■ OPTIONAL ACCESSORIES

- Web Video System
- Auto Registration Control System
- Repeat Up to 1100 mm
- Auto turret system for unwind & rewind station
- Shaftless Cylinder Loading System
- Ink Circulation Pump
- Shaftless system for unwinder & Rewinder

## ■ APPLICATION

Can be print on Aluminum Foil, BOPP, PE / LDPE / HDPE, PET etc



## OTHER RANGE OF MACHINERIES

- Agglomerator & Recycling machine
- Washing and drying machine for plastic scrap
- Edge Trim Winder
- Doctoring rewinding machine
- Web inspection machine
- Plate mounting machine
- Surface type slitting machine

# OUR NETWORK



## ISHAN INTERNATIONAL

**CORPORATE OFFICE :**  
B 302, ATMA House, Nr. Times of India, Ashram Road,  
Ahmedabad - 380009. Gujarat, INDIA. Tel.: +91 (79) 26585000

**FACTORY ADDRESS : UNIT 1**  
Plot No. 376, Road No. 8, Opp. Rabatex, Kathwada,  
GIDC, Ahmedabad-382415. Gujarat, INDIA.

**FACTORY ADDRESS : UNIT 2**  
Survey no.1644/1 and 1645/1, Opp. Aeromatic Engineering,  
Indore highway, Lasundra, Kathlal, Dist. Kheda - 387640. Gujarat, INDIA.

**Mo: +91 9824092000, +91 9737992000, +91 7434092000**  
Email: sales@ishan-intl.com, mktg@ishan-intl.com  
Website: www.ishan-intl.com



 /ishanintl  /ishanintl