

ISHAN *Ii* INTERNATIONAL



I-FLEXO™

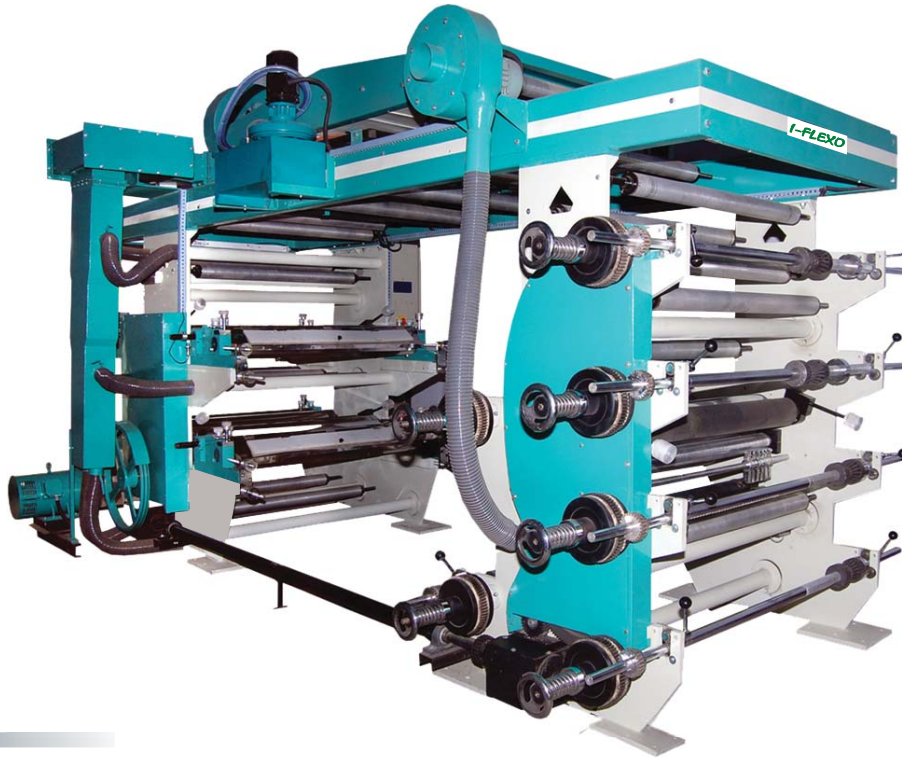
*Complete Printing &
Converting Solutions*



Website : www.ishan-intl.com

I-FLEXO™

FLEXO PRINTING MACHINE



Salient Features

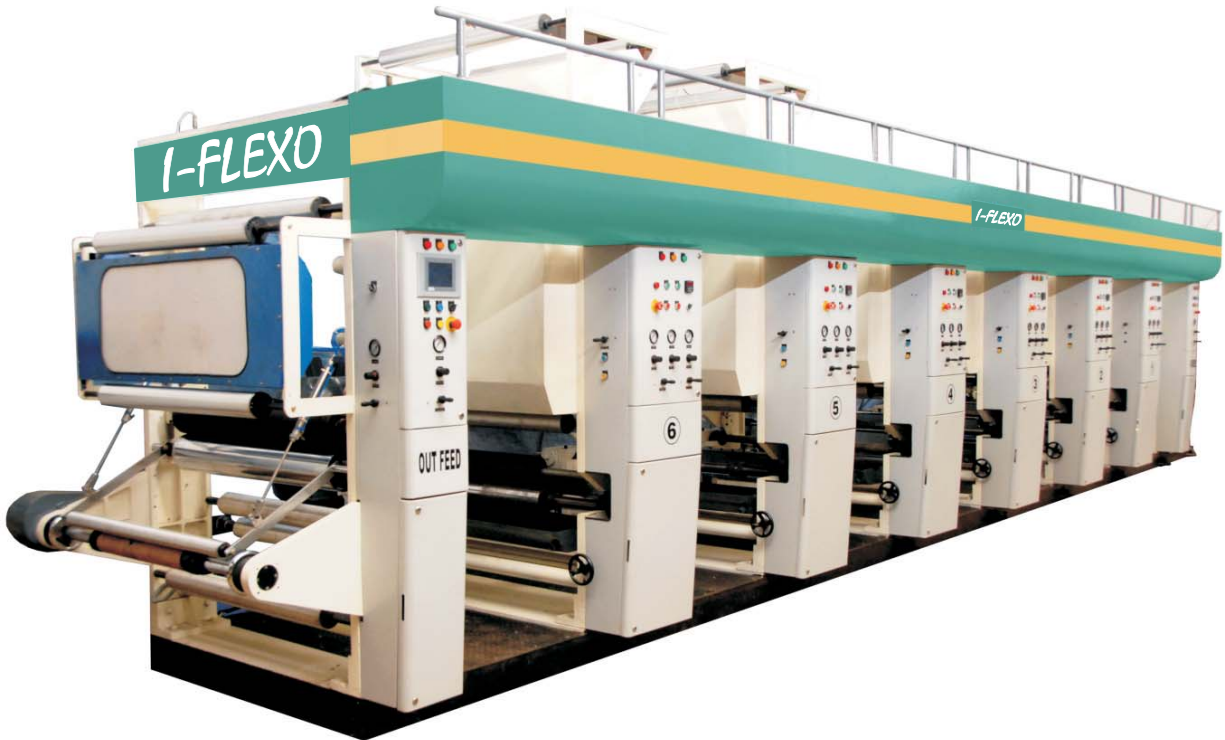
- Printing on LDPE/LLDPE/HDPE/HM/PP/BOPP Polyester Films, Paper, Bio-degradable films, Woven Sacks & Non-Woven
- Available for 2 Colours, 4 Colours, 6 Colours, 8 Colours Printing
- Perfect Registration
- Uniform Impression
- Double Winder & Rewinder
- Reverse Printing arrangement
- Auto Stop / Web break
- Dynamically balanced and hard chrome plated rollers
- Silent air drying system fitted with high velocity centrifugal fan
- Web Width from 400 mm to 1200 mm
- Printing Width 300 mm to 1050 mm
- Printing Speed upto 75 meters/minute (Depends upon type of material and type of printing)

Optional Accessories

- Online slitting & trimming Assembly
- Web Guide
- Tension Controller
- Extra Re-winder
- Ink Circulation Pump
- Synchronised Three Motor Drive System
- Chambered Doctor Blade
- Pneumatic Air Shaft
- Ceramic Roller
- Servo Stabilizer

I-FLEXO™

HIGH SPEED ROTOGRAVURE PRINTING MACHINE



Salient Features

- Material can be Print : Polyester, BOPP, LLDPE, Aluminum Foil, Paper
- Web Width : 500mm to 1600mm
- Max Cylinder Circumference : 350mm to 800mm
- Roll Outer Diameter : 800 mm on unwinder & Rewinder
- Registration Control : Motorised
- 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
- Ink Circulation Pump



ISHAN INTERNATIONAL

I-FLEXO®

MONOLAYER BLOWN FILM PLANT



ISHAN INTERNATIONAL

I-FLEXO®

MONOLAYER BLOWN FILM PLANT

Salient Features

- Suitable Material :-HM-HDPE , LDPE, LLDPE
- Feed Section:- Grooved Feed
- Screw Type :- Barrier
- EN41B material Gas Nitrided Screw and Barrel
- Helical Gear Box
- AC Drives for Extruder and Take-Up
- Lowest Energy Consumption
- High Output
- Space Saver



Application

- Carry bags
- Shopping bags
- Water Pouches
- Garbage Bags
- Shrink Wrap Film
- Oil Packaging
- Milk Packaging
- Liners

MODEL	IF 40MM	IF45MM	IF55MM Compact	IF55MM Sumo	IF65MM
FILM LAYFLAT	650	850	950	1250	1350
FILM THICKNESS (MM)	0.008-0.05	0.01-0.08	0.01-0.1	0.02-0.2	0.02-0.2
MAX. OUTPUT IN KG PER HOUR	50	65	70	90	110
MAIN DRIVE (HP)	10	15	25	30	40
NIP ROLLER (MM)	700	900	1000	1300	1400
WINDER	SINGLE STATION	SINGLE STATION	SINGLE STATION	DOUBLE STATION	DOUBLE STATION
EXTRUDER					
SCREW DIAMETER (mm)	40 Φ	45 Φ	55 Φ	55 Φ	65 Φ
L/D RATIO	28:1	28:1	28:1	28:1	30:1
TYPE OF DIE					
DIE SIZE HM-HDPE (mm)	75	75	125	150	150
LD/LLDPE (mm)	150	175	200	250	250
DIE HEAD ROTARY	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

Specifications are subject to change



ISHAN INTERNATIONAL

B/302, ATMA House, Opp. Old R.B.I. Building, Near Times of India, Ashram Road, Ahmedabad - 380 009. INDIA
 Phone : (O) +91-79-26585000 Mobile : +91 9624692000
 Website : www.ishan-intl.com ● Email : sales@ishan-intl.com

I-FLEXO®

BOTTOM SEALING MACHINE DOUBLE / TRIPLE DECKER WITH ONLINE PUNCH



Salient Features

- Suitable for Material HM , LDPE, HDPE, LLDPE, PP, PVC
- Suitable for manufacture of all kind of bags. viz T-Shirt Bags, D-Punch Bags, Grocery Bags etc
- Online Punch makes the bag ready to dispatch .
- Production Speed :- Upto 125 Strokes/min per line (Depends on Pouch Size, Thickness & Type of Material)
- Motorised Unwinder
- Servo System for High Speed with Accuracy
- Static Eliminator with Electrodes
- Plastic Film Loop Controller
- Conveyor



ISHAN INTERNATIONAL

I-FLEXO®

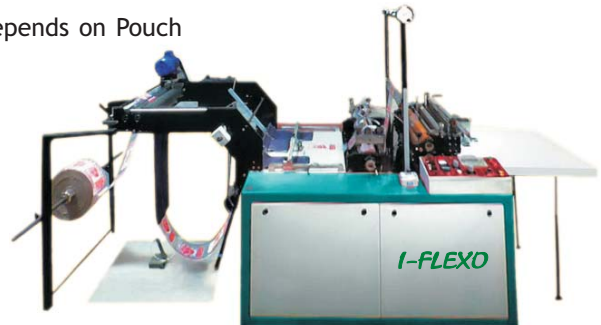
BOTTOM SEALING MACHINE

Salient Features

- Suitable for Material HM, LDPE, HDPE, LLDP, PP, PVC
- Suitable for Printed bags and Liners
- Sealing Width:- 400mm to 950mm depend on size of the machine.
- Maximum Cut Length:- Upto 2000mm
- Production Speed :- Upto 200 Strokes/ min (Depends on Pouch Size, Thickness & Type of Material)
- Motorised Unwinder
- Servo System for High Speed with Accuracy
- Static Eliminator with Electrodes
- Photocell for Printed Material

Optional Attachments

- Conveyor Table with Auto Stacker
- Servo Stabilizer



I-FLEXO®

BOTTOM SEALING MACHINE DOUBLE / TRIPLE DECKER

Salient Features

- Suitable for Material HM, LDPE, HDPE, LLDP, PP, PVC
- Suitable for manufacture of all kind of bags.viz T-Shirt Bags, D-Punch Bags, Grocery Bags etc
- Sealing Width:- 200 mm to 950 mm
- Maximum Cut Length:- Upto 1500 mm
- Production Speed :- Upto 200 Strokes/ min per line (Depends on Pouch Size, Thickness & Type of Material)
- Motorised Unwinder
- Servo System for High Speed with Accuracy
- Static Eliminator with Electrodes

Optional Attachments

- Conveyor Table with Auto Stacker
- Servo Stabilizer
- Photocell for 1 Station



ISHAN INTERNATIONAL

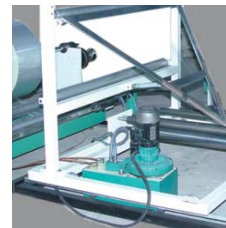
B/302, ATMA House, Opp. Old R.B.I. Building, Near Times of India, Ashram Road, Ahmedabad - 380 009. INDIA

Phone : (O) +91-79-26585000 Mobile : +91 9624692000

Website : www.ishan-intl.com ● Email : sales@ishan-intl.com

I-FLEXO™

BAG MAKING MACHINE



Salient Features

- Suitable for LDPE, HM, HDPE, LLDPE, PP, BOPP
- Web width from 600 mm to 1000 mm
- Production Speed upto 200 Strokes / min (Depends on Pouch Size, Thickness & Type of Material)
- 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

Other Bag Making Machine

- Center Sealing Machine
- Bottom Sealing Machine
- Bottom Sealing Machine - Double Decker

Optional Attachments / Accessories

- Folding Device
- Web guide at unwinder
- Sealer
- Servo Stabilizer
- Auto Tension Controller

I-FLEXO™

HIGH SPEED LAMINATION MACHINE



Salient Features

- Material : Polyester, BOPP, LDPE, Aluminum Foil, Paper
- Web Width : 600mm to 1600mm
- 5 Drive System For Coating Unit, Laminating Unit, Both Unwinders & Rewinder
- Tunnel Length : 30 ft.
- Nip : Pneumatically Operated
- Chamber : Pneumatically Operated
- Safety Chuck on both Unwinders & Rewinder
- Air Shafts on both Unwinders & Rewinder



ISHAN INTERNATIONAL

B/302, ATMA House, Opp. Old R.B.I. Building, Near Times of India, Ashram Road, Ahmedabad - 380 009. INDIA

Phone : (O) +91-79-26585000 Mobile : +91 9624692000

Website : www.ishan-intl.com ● Email : sales@ishan-intl.com

I-FLEXO®

HIGH SPEED SOLVENTLESS LAMINATION MACHINE

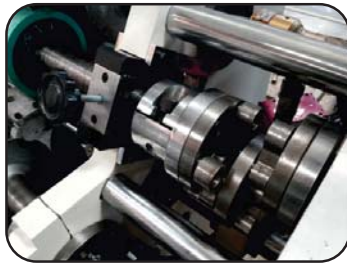


The Machine created to cover the growing needs of solventless lamination on flexible packaging market. Enhanced performances, on one hand, and the easy operating features on the other are the main reasons to select this machine, joined with its ability to handle a wide range of lamination jobs. The machine has been specially designed, focusing on short and medium runs on solventless applications over plastic films. The machine is made to deliver optimum performance and productivity.



ISHAN INTERNATIONAL

I-FLEXO®



Removal of the Metering Cylinder

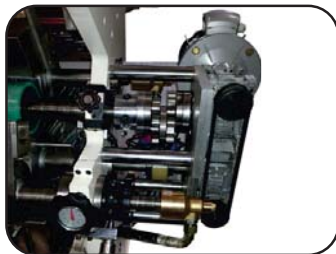
Quick and simple removal of the metering cylinder without locking the drive system on cylinder.

Shaft-less Unwinders & Rewind

Unwinders - Web Tension Control by using Pneumatics Brake

Rewinder - Web Tension Control by using Latest Generation AC Motor and AC Drive

The System maintains the set tension precisely through out the reel run .



Adhesive Metering System

R1 : First feeding roller, heated and manually rotated both side.

R2 : Feeding roller is heated and independent motorized from R1, allowing the floating system created to facilitate the cleaning process.

R3 : Metering roller rubber coated; easily interchangeable for different web widths.

R4 : Heated and motorized roller allows a perfect delivery of adhesive over the substrate coordinating speed with R3

Laminator Unit

It consists of a heated chrome plated ground steel roll with double walls and internal coil to ensure the perfect uniform heating on its whole width.

A Rider Roll coated with Hard Rubber , driven by Pneumatic pistons which can be adjusted at both ends

R5 Lay on Roller provides the complement to get a smooth and Homogeneous adhesive layer.

Back Up Roller provided to ensure uniformity and smoothness in impression of Air Bubbles etc at either substrates.

Salient Features

- Suitable Material : Aluminum Foil, BOPP, PE / LDPE / HDPE, PET, Suitable for other materials within the mentioned tension range.
- Maximum Speed : Upto 300mtrs/min.
- Machine is controlled and supervised by High Performance motion controller
- A.C Drive/Servo Drive based closed loop controller for Web Handling by using latest generation of Electronics
- Web Width : 1000 mm to 1300 mm
- Maximum Lamination Width : 1000 mm to 1300 mm
- Minimum Film Width : 600 mm
- Maximum reel diameter : Unwinders & Rewinder : 800 mm to 1000 mm
- Core diameter : Unwinders & Rewinder : 3" & 6" (76mm/152mm)
- Maximum Film Tension : Unwinders & Rewinder : 300N
- Minimum film Tension : Unwinders & Rewinder : 40N



ISHAN INTERNATIONAL

B/302, ATMA House, Opp. Old R.B.I. Building, Near Times of India, Ashram Road, Ahmedabad - 380 009. INDIA

Phone : (O) +91-79-26585000 Mobile : +91 9624692000

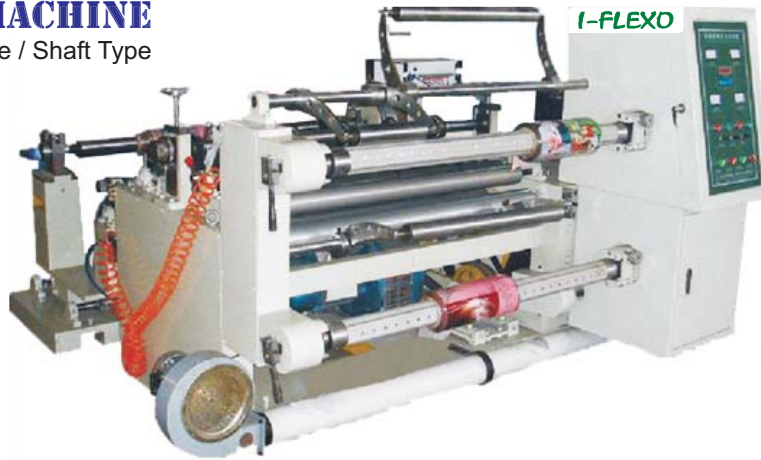
Website : www.ishan-intl.com ● Email : sales@ishan-intl.com

I-FLEXO™

SLITTING MACHINE

SURFACE SLITTING MACHINE

Drum Type / Shaft Type



Main Technical Specification

Web Width	:- 500mm - 1600mm
Slitting Width	:- 100 mm to 1600 mm
Max. Reel Diameter at unwinder	:- 800 mm
Max. Reel Diameter at rewinder	:- 600 mm
Maxi. Speed	:- 150 meters/ minute
Suitable Material	:- LDPE , BOPP , Polyester , Laminates, Foil, Paper & Bio-degradable films

Optional Accessories:-

- 3 Drive System
- Web Guide System
- Auto Tension Controller
- Pneumatic Nip Roller
- Timing Belt Drive / Chain Drive
- Pneumatic Shaft / Mechanical Shaft
- Pneumatic lifting System at Rewinder
- Servo Stabilizer

I-FLEXO®

HIGH SPEED CANTILEVER CENTER SLITTING MACHINE



ISHAN INTERNATIONAL

I-FLEXO®

HIGH SPEED CANTILEVER CENTER SLITTING MACHINE



Salient Features

- Suitable Material : Polyester, Laminates, BOPP, Aluminum Foil
- Maximum Speed : 300mtrs. /min.
- Web Width : 1000 mm to 1500 mm
- Maximum diameter : Unwinder : 800 mm
- Rewinder : 500 mm
- 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 feed back, Ultrasonic Sensor.
- Each rewinder equipped with Pneumatically loaded lay on assembly with contact pressure control.



ISHAN INTERNATIONAL

B/302, ATMA House, Opp. Old R.B.I. Building, Near Times of India, Ashram Road, Ahmedabad - 380 009. INDIA
Phone : (O) +91-79-26585000 Mobile : +91 9624692000
Website : www.ishan-intl.com ● Email : sales@ishan-intl.com

OUR RANGE OF MACHINES

- *High Speed Rotogravure Printing Machine*
- *Flexo Printing Machine*
- *Bag Making Machine - Side Sealing*
- *Slitting Machine*

OUR OTHER RANGE OF MACHINES

- *Bottom Sealing & Cutting Machine*
- *Center Seal Pouch Making Machine*
- *D - Punch Machine*
- *Web Aligner Unit*
- *Recycling Machine*
- *Lamination Machine*

OTHER PRODUCTS

- *Stereo Mounting Tape*
- *Printing Cylinder*
- *Industrial Weighing Scale- 100 kg to 20 tons*
- *Welding Electrodes – Eagle Brand*
- *Welding Machine and Accessories*
- *Hand Pallet Truck*



ISHAN INTERNATIONAL

B/302, Atma House, Opp. R.B.I., Near Times of India,
Ashram Road, Ahmedabad - 380 009. INDIA

Phone : (O) +91-79-26585000

Mobile : +91 9624692000

Website : www.ishan-intl.com ● Email : sales@ishan-intl.com