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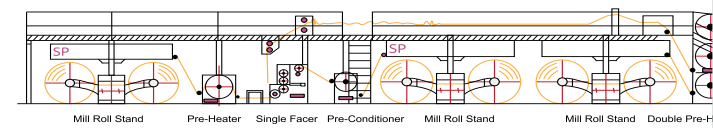


VIRDI BROTHERS MACHINERY PVT. LTD.

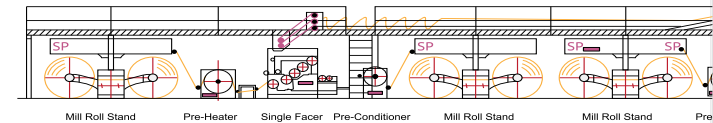
**Manufacturers, Importers & Exporters of 3/5 Ply Board
Making Plant & Corrugated Box Making Machinery**



Automatic 3 Ply Corrugated Board Production



Automatic 5 Ply Corrugated Board Production



Size

1400 mm

1600 mm

1800 mm

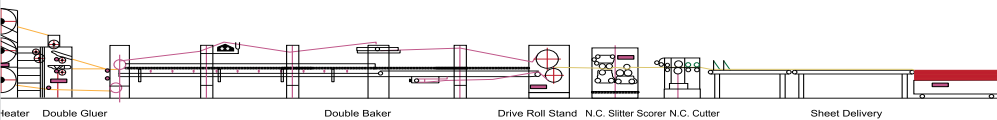
CORRUGATED CARDBOARD PRODUCTION LINE - 3 PLY / 5 PLY / 7 PLY



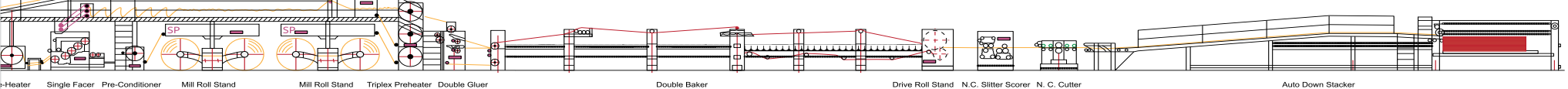
Working principle :

Tile line is the abbreviation of corrugated cardboard production line. It is a streamline line consisting of pressing, corrugating, gluing, bonding, grading, papermaking, and code output. Such as single corrugated paper production line is made of web frame, singlesided corrugated cardboard machine, composed of rotary paper cutting unit, using web material and potato or corn starch adhesive, single-sided corrugated board continuous production and cut into the required specifications, production of cardboard no longer dry or dry, and glue machine or laminating machine with the use of, can produce more than three layers of corrugated cardboard.

Line

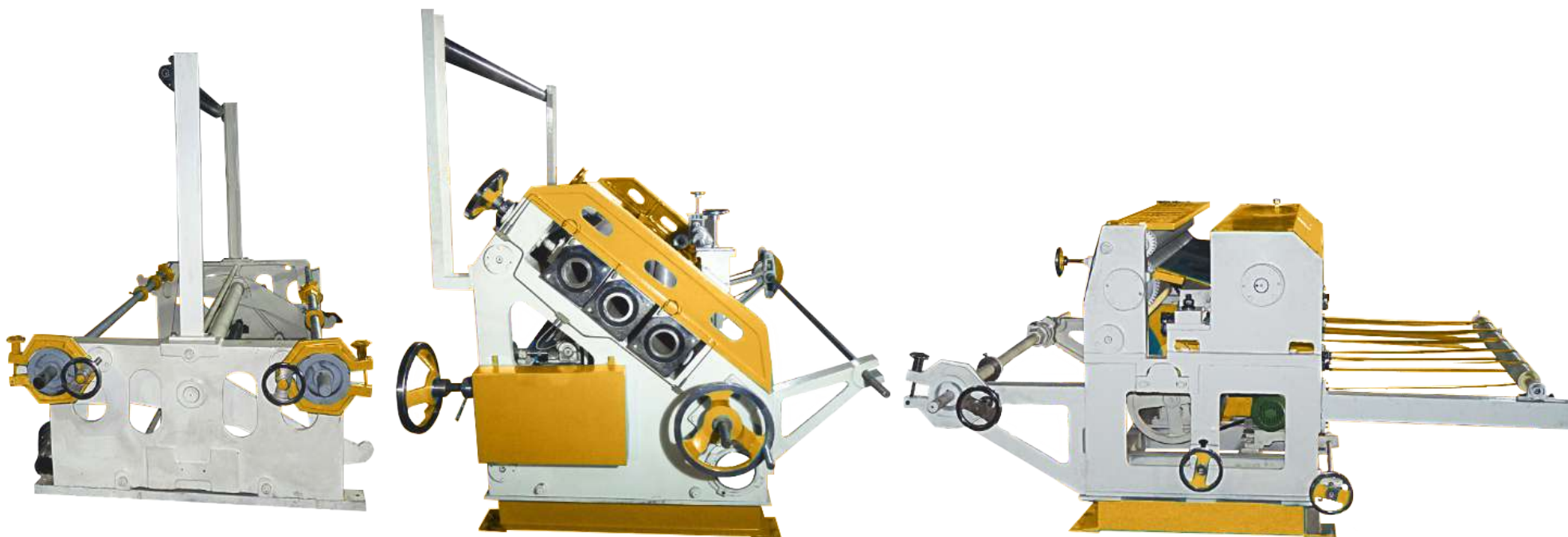


Line





TWO PLY COMBINED PAPER CORRUGATING BOARD MAKING MACHINE, BEARING MOUNTED REEL STAND ATTACHED WITH SHEET CUTTER



- The high speed single facer offers a high rate of production & enhances efficiency.
- The rolls are mounted on roller bearings for smooth running & longer life, minutely finished flute rolls result in perfect formation of flutes.
- Self lifting reel stand is provided with the above machine.
- Rotary Sheet Cutter is provided with the above machine to cut into the required sizes.

Size	52"	62"	75"
Power (H.P.)	5 H.P.	7.5 H.P.	10 H.P.





Size | 52" | 62" | 72"

FINGERLESS CORRUGATION MACHINE



- VBM make indian Fingerless type Corrugation Machine operates with precision and efficiency in corrugating processes. It utilizes flute rolls and pressure rolls made from durable materials to ensure reliable performance and flexibility in corrugation profiles. The machine's grinding and advanced
- gear systems enable precise operation and optimized speed for effective production.
- The gum rolls are designed to apply adhesive evenly, with added durability features to withstand wear. Temperature control is maintained through electric heaters and pre-heaters, ensuring optimal conditions throughout the production process.
- A centralized oil lubrication system reduces friction and extends the life of critical components. The machine is equipped with a blower for effective sheet processing and an AC drive for adjustable speed control, allowing for flexibility in production requirements. Additionally, it features a self-loading hydraulic reel stand for efficient reel handling, making it suitable for high-volume corrugation tasks.

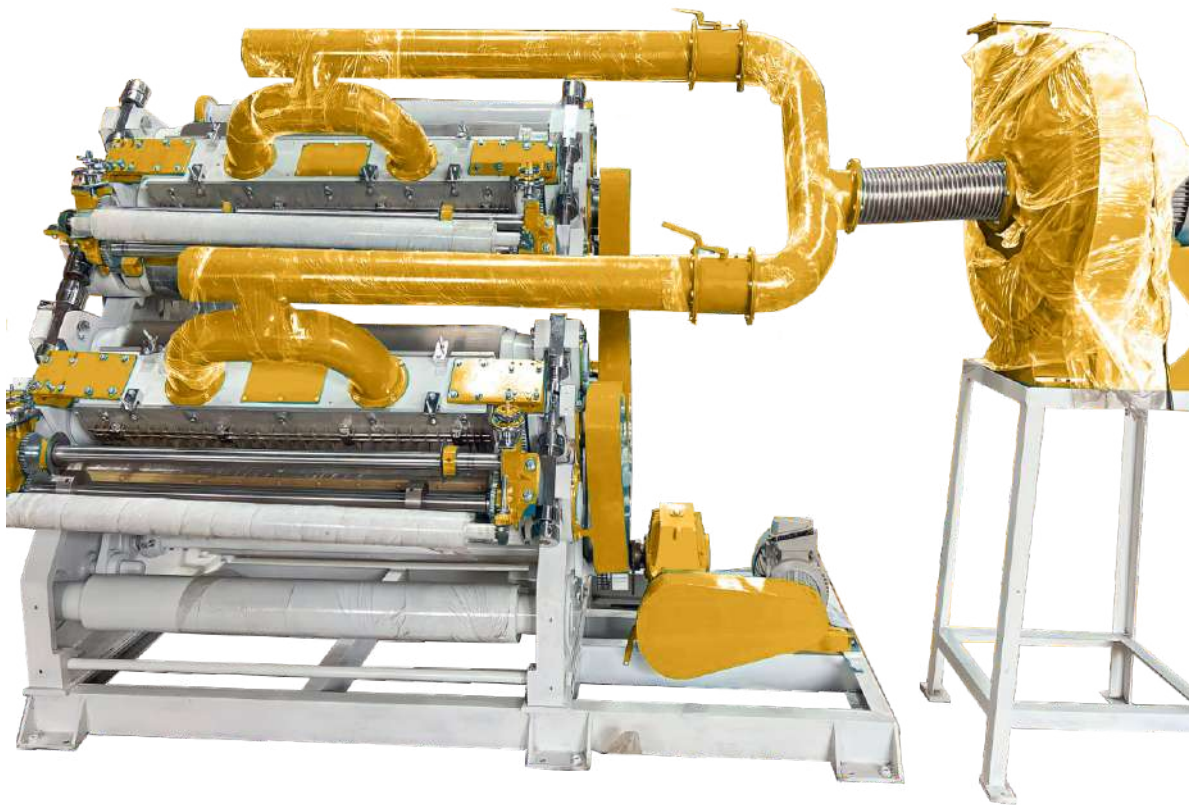
FINGERTYPE CORRUGATION MACHINE

Size | 52" | 62" | 72"



- VBM make indian Finger Type Corrugation Machine excels in high-performance corrugation tasks, utilizing flute rolls and pressure rolls made from robust materials to ensure strength and durability. The machine features versatile flute roll dimensions, allowing for various corrugation profiles, and precise operation is facilitated by the precisely ground pressure roll.
- Advanced gear systems, including hardened big gears, ensure efficient power transmission and durability. The machine's gum rolls, with their durable plating and grinding, apply adhesive evenly, while the gum roll ring's strong material enhances wear resistance.
- The 5-inch center gearbox optimizes speed for efficient operation, and the electric motor provides reliable power for consistent performance. Temperature control is achieved through electric tube heaters and preheaters, maintaining stable production conditions. With a production speed capability, the machine is well-suited for high-speed corrugation tasks.

DOUBLE PROFILE INLINE FINGERLESS CORRUGATION MACHINE



Size | 52" | 62" | 72" | Custom size

- VBM make indian Double Profile Fingerless type corrugation MACHINE is designed for high-performance corrugated board production.
- It features robust flute rolls and pressure rolls made from durable forged material, ensuring strength and precise operation.
- The machine is powered by a reliable drive system that offers adjustable control for consistent performance.
- It includes precision-ground gum rolls for smooth application and enhanced durability. The gearbox optimizes speed for efficient corrugation, while temperature control is managed by electric heaters and pre-heaters.

**WITH
2 PRESSURE ROLLS
2 GUM TANKS &
ONE MOTOR**

- The high-performance motor provides continuous operation, and an integrated blower ensures necessary air circulation. Centralized oil lubrication maintains optimal levels across critical components, reducing friction and wear, while the centralized gum rotation pump ensures efficient gum distribution.
- A self-loading hydraulic reel stand facilitates effortless reel loading, enhancing overall efficiency.

Size

52"

62"

72"

DOUBLE PROFILE CORRUGATION MACHINE



- Two sets of flute rollers, one set of narrow flute rollers and another set of board flute rollers.
- Hydraulic system for smooth and noiseless interchanging of flute rollers within few minutes.
- Common gum unit & common pressure roller for both the flute rollers.
- Increase in the production by cutting down the change over time of flute rollers.
- Hydraulic twin shaft reel stand helps in fast operation and save time.

DOUBLE PROFILE INLINE CORRUGATION MACHINE

- Easy to handle.
- Low Maintenance.
- Production - cost Efficiency.
- Better Quality Liners.
- No need to change Flute Roll setting.

Size

52"

62"

72"

WITH
2 PRESSURE ROLLS
2 GLUE TANKS &
ONE MOTOR



PROGRAMMING ROTARY SHEET CUTTER MACHINE WITH SLITTING ATTACHMENT

This latest machine is designed for higher production and precise and accurate cutting of kraft paper, duplex paper & 2 ply corrugation liner. The machine is incorporated with encoder motor panel, digital counter and easy to change of cutting size is through HMI display screen. programming setting of cutting size is also added feature. Cutting by variation is $\pm 1\text{mm}$.



Technical Specifications

Machine Size	Power Required	Floor Space (approx)	Machine Height	Gross Weight (kg Approx)
44"	2HP	80" x 120"	50"	1700
54"	2HP	90" x 120"	50"	1900
64"	3HP	100" x 120"	50"	2100

Slitting attachment

Break with pulley

Reel stand shaft



HIGH SPEED ROTARY SHEET CUTTER (P.I.V.)



This machine is designed for high production in cutting of liner paper as well as corrugated board, without damaging the flutes. The cutting are of quality steel, hardened and grounded for better performance and longer life. The special feature of this machine is that it can be used as an independent unit and can also be attached with the Single Facer corrugating machine if required. P.I.V. Chain gear box is provided to ensure accurate cutting of the sheet to the required. A delivery conveyor is provided to carry the sheets out.



Size | 44" | 54" | 64" | 74"

SHEET PASTING MACHINE

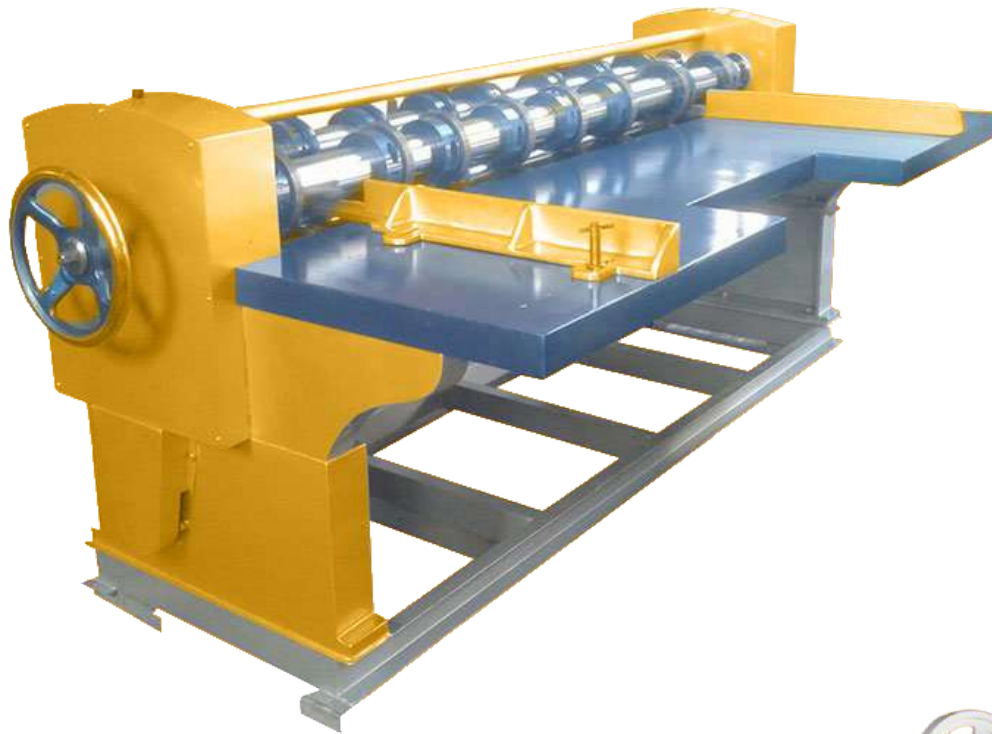
- Hand fed sheet pasting machine is useful for gluing fluted side of board for making 3, 5, 7 ply corrugated board.



Size	75"	85"	95"	105"	115"	125"
Reqd. H.P.	1 H.P.	1 H.P.	1 H.P.	1 H.P.	2HP	2HP



4 BAR ROTARY CREASING AND CUTTING MACHINE

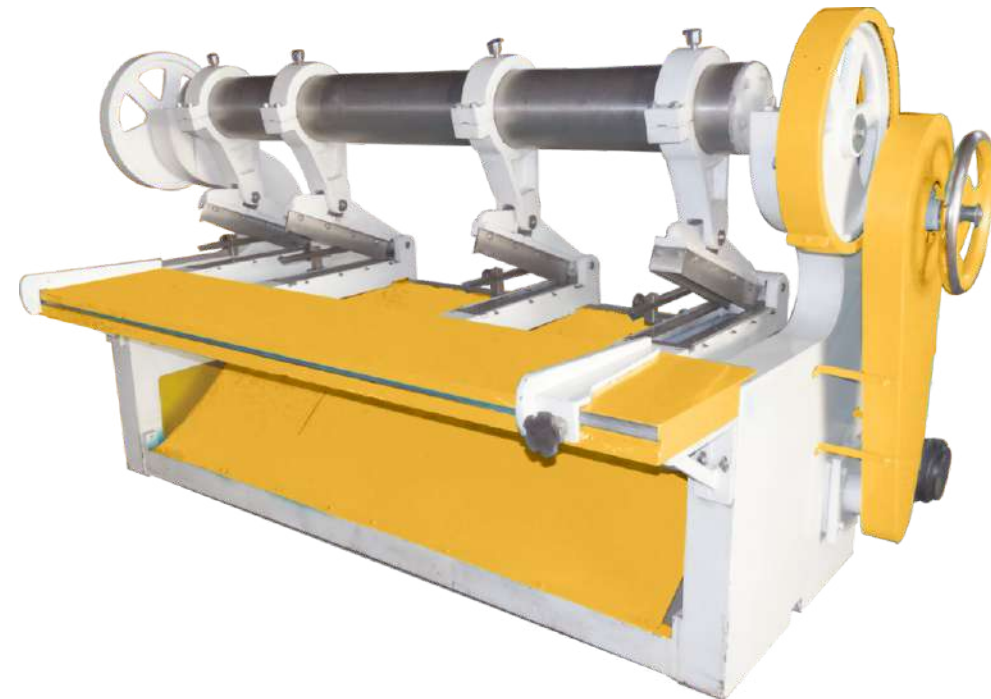


This is useful for creasing and cutting simultaneously. The machine is with two pairs of shafts. The front pair is with cutting dies & rear pair is with creasing die. The lower shaft of each pair can be raised or lowered by revolving side wheel depending on ply of the board. For easy feeding two guides are provided.

Size	75"	85"	95"	105"
Power (H.P.)	2 H.P.	3 H.P.	3 H.P.	3 H.P.

ECCENTRIC SLOTTER

- Slotting & corner cutting is done simultaneously over this machine.
- It is capable of slotting a number of sheets in one stroke.
- The distance between two slots and slot depth is adjustable.
- Two guides are provided to facilitate easy feeding & correct dimension.



Size	75"	85"	95"	105"
Power (H.P.)	2 H.P.	3 H.P.	3 H.P.	5 H.P.

SEMI AUTOMATIC FLAT BED DIECUT PUNCHING MACHINE



Available Sizes:

Machine Size	46" x 60"	52" x 80"	52" x 100"
	65" x 100"	75" x 140	
	95" x 140 working area		

- Safety - No chance or possibility of any accident.
- Sheet Counter - Digital Sheet Counter keeps count on number of sheets produced.
- No need of scoring, slotting & Platen Punching Machine.
- No Special Die required - Same die used on Platen machine can be used on this machine.
- No skilled labour required / Ladies / Helpers can operate this machine.
- Very low maintenance cost.

SEMI AUTOMATIC FLAT BED DIECUT PUNCHING MACHINE

This heavy duty platen die cutter press is meant for creasing, cutting & punching of cardboard as well as corrugated boxes. The machine is provided with safety devices like electro-magnetic clutch, times & brake for operator's safety.

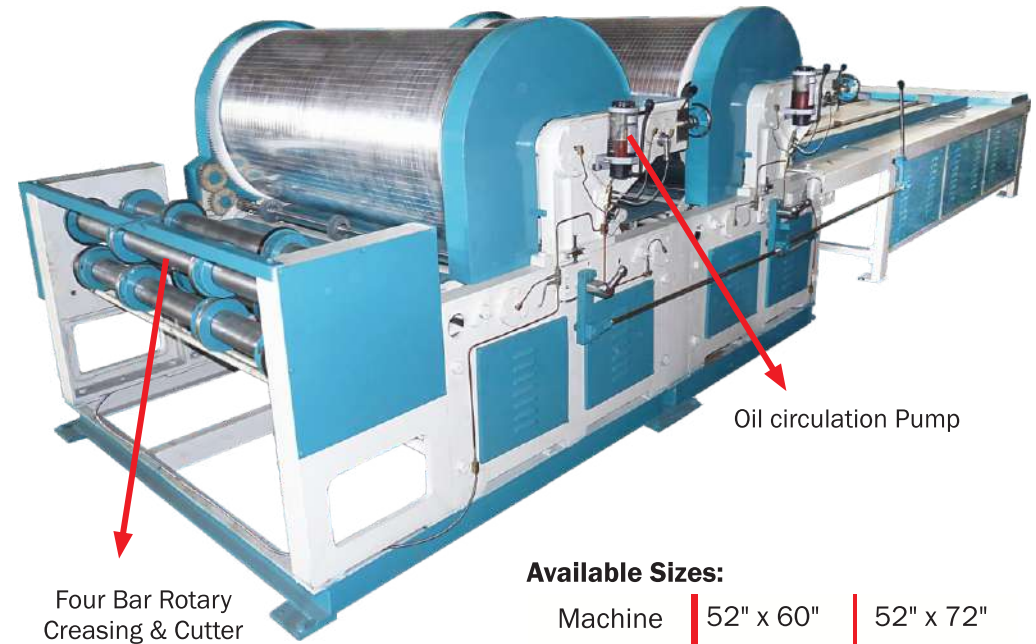
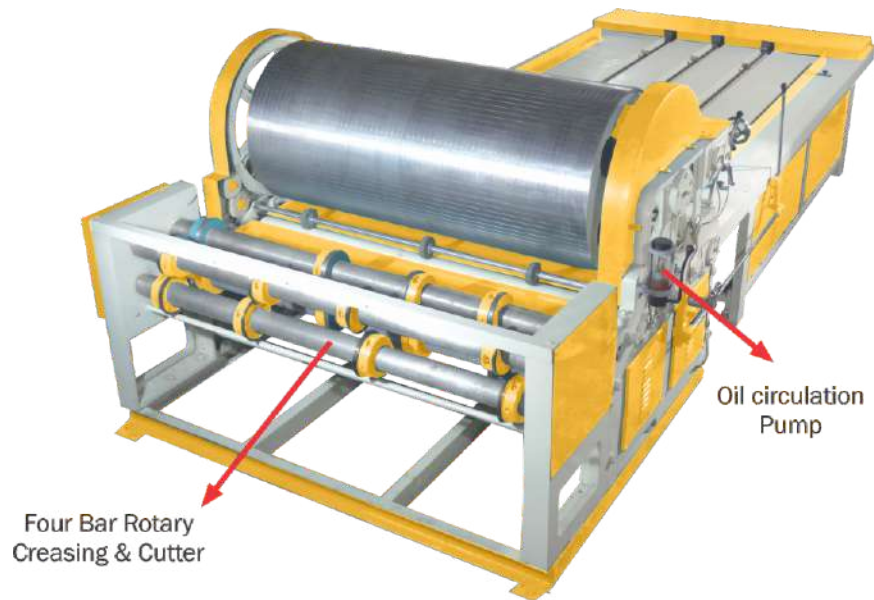
Technical Specifications

Machine Inner Size	Platen Outer Size	Strokes Max.	Power H.P.
25" x 37"	28" x 40"	1400	5 H.P.
33" x 43"	36" x 46"	1200	7.5 H.P.
37" x 53"	40" x 56"	1200	7.5 H.P.
43" x 63"	46" x 66"	1200	10 H.P.
53" x 73"	56" x 76"	1200	10 H.P.



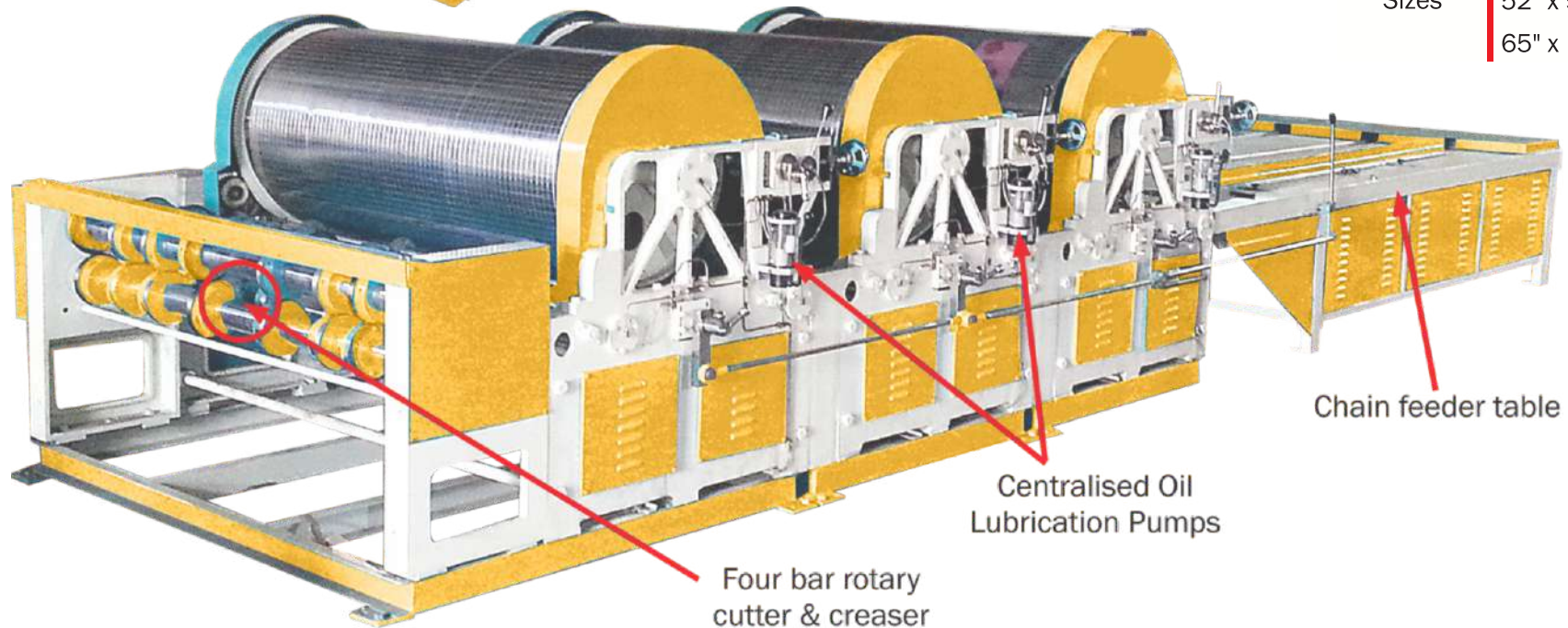


SINGLE/DOUBLE/THREE COLOUR FLEXO BOARD PRINTER ATTACHED WITH 4 BAR ROTARY CUTTER & CREASER WITH CHAIN FEEDER



Available Sizes:

Machine	52" x 60"	52" x 72"
Sizes	52" x 90"	65" x 90"
	65" x 105"	65" x 130"

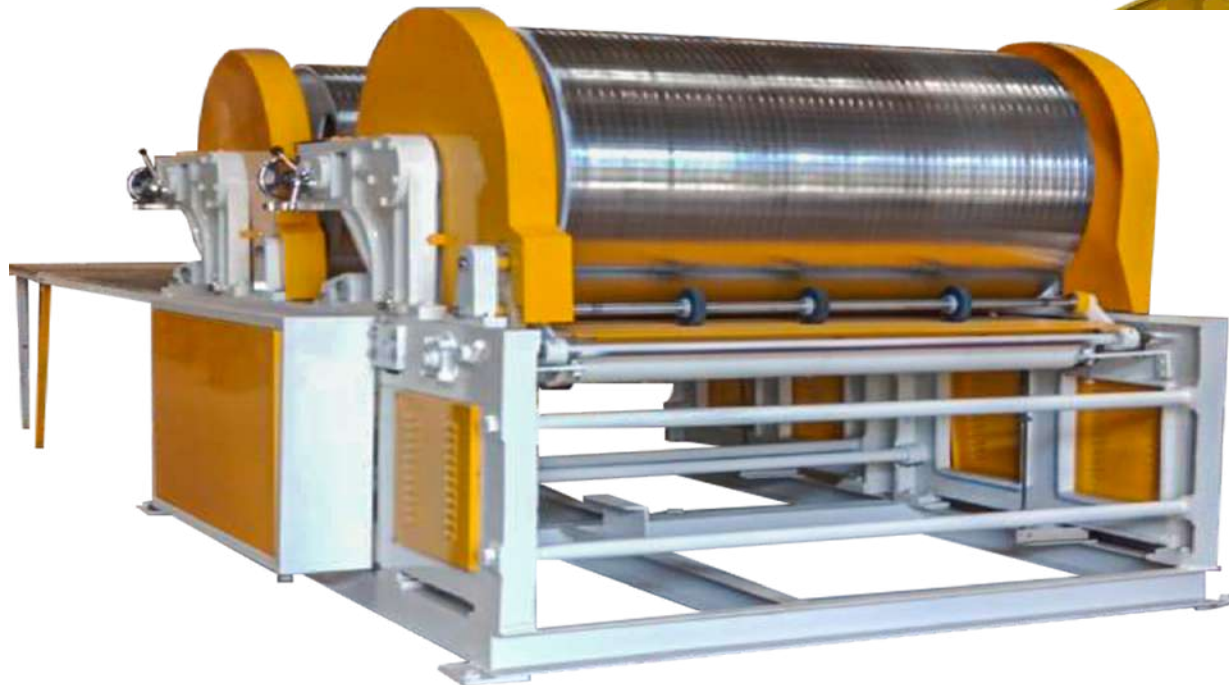


DELUXE MODEL SINGLE / DOUBLE COLOUR FLEXO PRINTING MACHINE



Available Sizes:

Machine	52" x 60"	52" x 72"
Sizes	52" x 90"	65" x 90"
	65" x 105"	65" x 130"



- Ideal for printing of Kraft paper and corrugated board
- Easy accessibility for cleaning
- Uniform spreading and controlled flow of ink
- Low power requirement
- Simple and quick to set up
- Smooth and quick to set up
- Smooth and low noise operation
- Quick Drying.

- Panasonic - Imported servo driven.
- Touch screen operation parameter, (distance between pin & pin number)
- PLC Control
- Siemens brand control panel
- Photo electric sensor is Panasonic brand
- Pins distance can be adjustable on screen that can be single pin, double pin & strengthen pin
- Changing carton size & adjusting pins can be completed in one minute, saving time & easy operation.
- Department of automatic counting, feed units equipped with photo electric sensors, when feeding, table automatically rise.
- Rear section with automatic counting function, the number of finished carton can be set (1-99) and transport to the machinery end, convenient for bundles package.
- We can store number of pin on screen.
- Machine can be operated in MANUAL MODE and AUTO MODE.
- No skilled workers required.
- We can store 20 memories in screen.
- Maintenance free machine & easy to operate





Single Stitching	Double Stitching	Tie Stitching
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BOX STITCHER ANGULAR/STRAIGHT

- To stitch corrugated board boxes

Size	36"	42"	48"	60"
Stitch Per Min.	250	250	250	250
Power Req'd.	0.5 H.P	0.5 H.P	0.5 H.P	1.H.P.

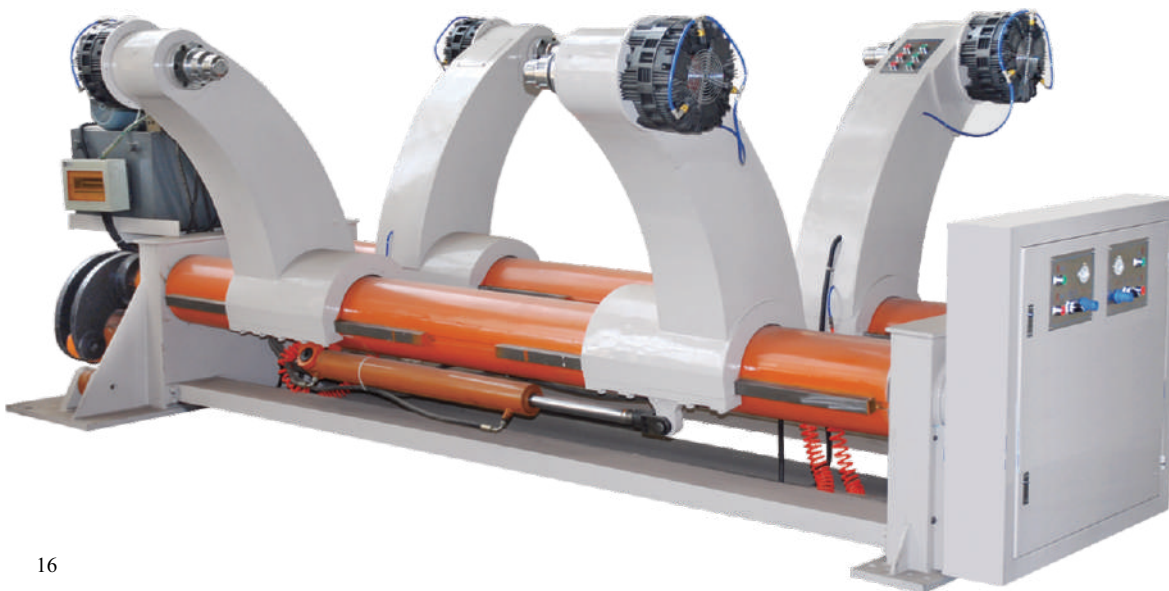


ELECTRICAL SHAFTLESS MILL REEL STAND

- Max. diameter of reel paper : f1500 mm
- Expiry Width : 1400 - 2000 mm
- Reel paper lift-lower, clamp, loosen, movement, contraposition operated by hydraulic pressure. feeding paper quickly.
- Reel paper strain adjustment adopts pneumatic brake.



HYDRAULIC SHAFTLESS MILL REEL STAND



- Reel paper lift-lower, clamp, loosen, movement, contraposition operated by motorize.
- Reel paper strain control by manual brakes.
- Max. diameter of reel paper : f1500 mm
- Clamp paper width : 600 mm - 1600 mm, 600 mm - 1800 mm, 600mm - 200 mm
- Installment power : 6kw
- The when clamping moving up & down selects cycloid motor, & the thick paper used for covering arm overload or touch the ground, it'll be effective

FINGERLESS TYPE SINGLE FACER CORRUGATION MACHINE



- Design Speed : 200 ft. (min)
- Effective width : 1400 mm - 2200 mm
- Corrugated roller : f128 mm
- Drive reducer box with oil immersed type lubricating to reduce noise keep running stable.
- Corrugating roller, pressure roller & glue roller by pneumatic adjustment.
- Cardboard transmit adopt vacuum suction method, with wind control system. keep flute profiles stable of the lower-roller in the condition of running up.
- Glue parts auto supply glue circularly.
- The upper-lower corrugating roller are made of 48CrMo high quality alloy steel, after heat-treatment. The

FINGER TYPE SINGLE FACER CORRUGATION MACHINE



PANEL BOX





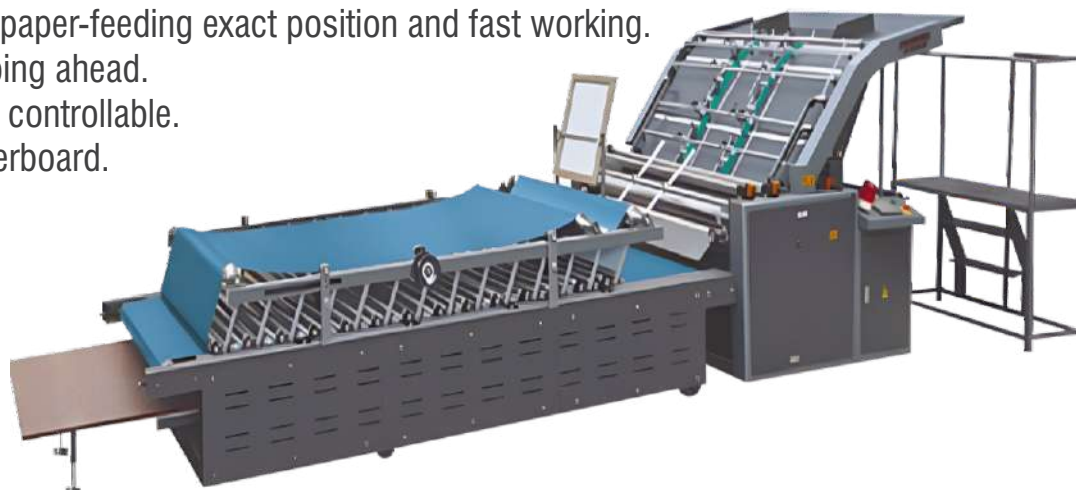
FULLY AUTOMATIC LIFTING TYPE FLUTE LAMINATOR MACHINE

- BZJ series full-automatic machine
- The suitable corrugated flute patterns include A, B, C, E and F flute
- This automatic flute laminator is designed with auto suction feeding system for both top linerboards and bottom corrugated boards
- The vacuum suction feeding system can automatically and accurately transport linerboard into the machine.
- The suction feeding belt can automatically convey single faced corrugated boards and implement automatic speed measurement, ensuring precise feeding.
- Electrical components of this fully automatic flute laminating machine are all introduced from Japan and Germany. Therefore, their quality and service life can be guaranteed.



SEMI AUTOMATIC FLUTE LAMINATOR MACHINE

- Body part auto-feeding.
- Artificial front-push of upper on human design makes easy paper-feeding exact position and fast working.
- Elastic front-margin positioning makes body paper never going ahead.
- Paste of the front -margin of body paper and upper paper is controllable.
- It is suitable for the paste of 300 g and above the body paperboard.
- The paste of paper board pasted and A/B/C/D/E corrugated paperboard and the paste between corrugated papers.
- For the paste of Type B and above corrugated paper with the length of 800 mm and above.
- Long type of movable platen unit can be chosen.
- For the paste between the paperboards, the platen unit with adjustable pressure is optional.



ELECTRIC THIN BLADE SCORING SLITTER MACHINE



- Using electric adjustment clearance, start the automatic locking , improve the degree of automation of the machine.
- The precise easy to use, adjustment, save time, reduce the labor intensity.
- Cutting department: adopt high quality tungsten alloy blades, long service life and cutting out the cardboard incision neatly, without fracturing , no burr
- Automatic knife grinding device and manual two kinds pneumatic grinding way , knife while working, improve work efficiency.

THIN BLADE SCORING SLITTER MACHINE

- Adopt two roll near-range feeding (front and back roll distance 325 mm), then scoring easy to adjustment
- Slitting Part : adopt high quality tungsten steel blade, sharp blade, sharp and long work life , slice more tidy, non -burr.
- Scoring -Part : adopt 5 points scoring, distance in-phase adjust, blazonry and easy to bend carbon sheet.
- Grinding Part : adopt automatic and manual two kinds pneumatic grinding type, it could be grinding type, it could be grinding when working, improve work efficiency.
- Adopt China famous brand or imported electric element, dependable performance.



- This new and synthetically equipment can finish auto slotting corner-slicing, line-rolling paper dividing at one
- Adopts exported cambered saw-tooth knife making die-cutting surface smooth and without burr.
- The gap between the cushion roll and the knife mould roll is adjusted by hand pneumatic adjusting the soft roll to go up and down.
- The cushion roll adopts mechanical cam path longitudinal moving (40 mm) structure.
- The whole machine adopts Oldham coupling structure and oil-spraying



CHAIN FEEDING ROTARY DIE-CUTTING MACHINE

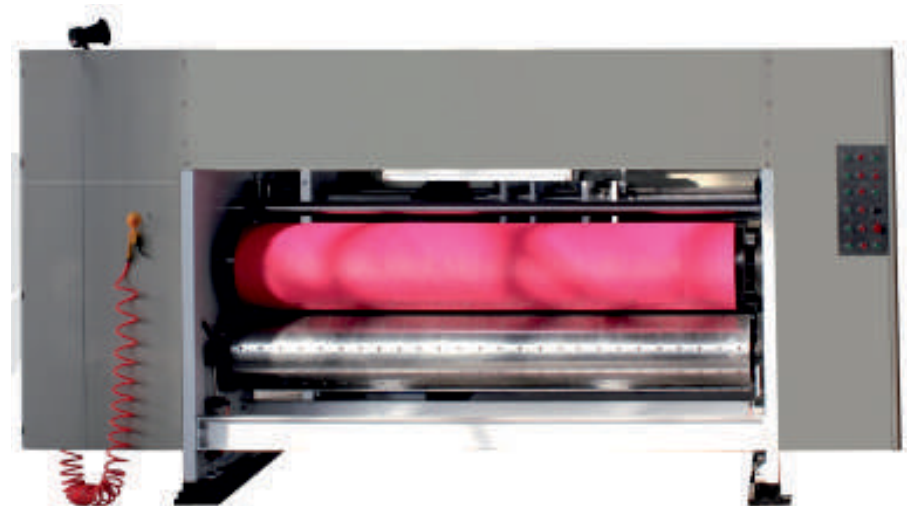


- Chain feeding rotary die-cutting machine.
- Whole machine adopts chain feeding system
- Roll adopts high quality steel, balance and hard chrome plated.
- Softcoat automatic repair structure, could be repair 3-4 times, improve rubbermat work-life.
 - Whole machine adopts electric, pneumatic, hydraulic part combination control, safe and high active, could be slit, cutting corner and creasing, one time for finish box.
 - Linear speed automatic compensate structure, when soft roller diameter change, make sure high precision in manufacturing.
- Die-cutting plate phase adopts planetary gear structure, 360 degree electric adjustment (running and stop all could be digit control)

SEMI-AUTO WATER BASED INK PRINTING MACHINE WITH SLOTING MACHINE / ROTARY DIE CUTTERMACHINE



- New design of making and electricity into the whole
- With high precision of process printing, the error chromatic printing is little and easy operation.
- Separation by electricity and pneumatic locking up, pneumatic raising plate and auto adjusting ink.
- Printing phase and slotting phase with 360° phase with hand adjustment & no shut down.
- Auto lubrication of the areas with oil.
- Four knives adjustment, with length, width adjustment upper and lower knife stand, pressing line, cutting knife ruler, pressing paper pole which have united movement by hand , saving order changing time.



SINGLE/DOUBLE COLOUR PRINTER SLOTTER Rs4 WITH CHAIN FEEDING TABLE

- Helical tooth gears on main drive which adopted 45# steel, treated with gear shaving with high precision facility, closed spray lubrication system, put oil before run the machine, can lower down the noise, decrease the abrasion of gears, and prolong the lifetime of gears
- Adopt the planetary gears phase for the printer slotter driving structure, precise and durable. Phase adjustment adopt Taiwan motor and high quality sensor control, precision is $\pm 0.1\text{mm}$, exact and reliable.
- All bearings of Chain Feeder Multi color Printing use HRB brand.
- Chain Feeder Multicolor Printing Machine adopts electrical separation, pneumatic locking, pneumatic edition lifting, electric ink distribution, can realize the ink continuous supplying when stop the machine, avoid the ink drying and fading phenomenon when machine stop will affect the printing effect.

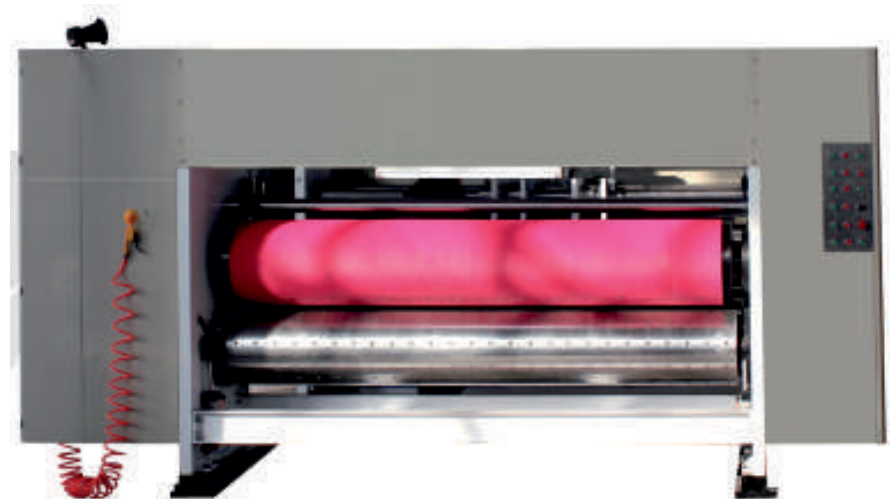


- Chain Feeder Multicolor Printing Machine adopt separation positioning by pneumatic, keep the gears engage position not change when machine separated, the dimensions will not change, improving the production efficiency.
- Chain Feeder Multicolor Printing Machine adopt cross-head shoe, for the paper 1mm-11mm thickness, the gears meshing gap keep the same, assure the printing precision and prolong the gears using lifetime.
- Ink guiding system adopt high precision anilox roller with independent motor for ink distribution, high quality diaphragm pump supply ink, can adjust the ink volume randomly, improved the ink supplying more average.
- Chain Feeder Multicolor Printing Machine adopts electrical counter, can control the paper qty exactly, match with warning alarm, can warn workers to keep safe when open or adjust the machine.
- The walking rail material is casting, improving the machine stability.



AUTOMATIC LEAD EDGE PRINTER SLOTTER / ROTARY DIE CUTTER MACHINE

- Four Axis Lead edge Feeder System.
- Skip Feeding Setting Available, Can produce Large Size Boxes.
- Apply Expansion Sets Tight Links, Long years Using with precise printing.
- Colorful Touch screen Input, Auto "Zero", reposition, Save Time and Boards.
- Powerful Main Pneumatic Cylinder Lock, make sure machine stable running.
- Self-Protection system, Machine only running after all sections locked well.
- Storage with 1200orders data base.



STACKING MACHINE



AUTO FEEDER MACHINE



VIBRATION STACKING MACHINE



AUTOMATIC FOLDER GLUER MACHINE

- Automatic folder gluer machine consists of three sections: vacuum feeding section, glue and Folding section, counter and stacker section
- Frequency conversion motor with quality inverter adjust speed.
- PLC and Touch Screen control system for easy operation and running stable.
- Average speed 150 sheets/min.
- Energy Conservation and High Speed, Saving Labor Cost.



SEMI AUTO GLUER MACHINE

- This machine suit for folding and glue all kind of paperboard.
- Easy operation, no training is necessary.
- One minute quick order change.
- Carton glue min size 260 mm.
- It is the best choice for carton making factory.



SEMI AUTO BOX STITCHING MACHINE



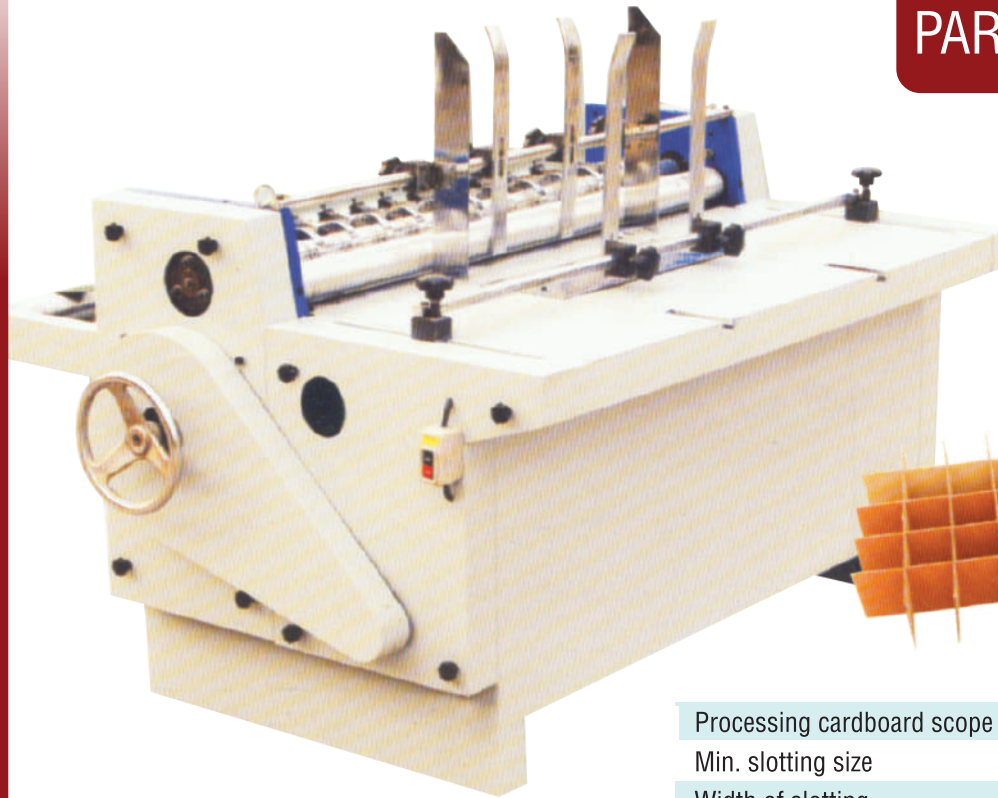
- Changing the size within one minute
- Easy operation and no need of experience
- The machine can staple single pin.
- Feeding department automatic counting & automatic bundling.
- Operation by the touch screen.
- The distance of pin can be set on screen directly.

MANUAL BOX STITCHING MACHINE

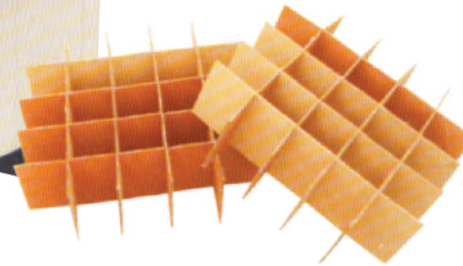
- The machine can staple single pin.
- The machine can staple Double pin.
- No Maintenance cost.
- To Stitch Corrugated Board Boxes.



PARTITION SLOTTING MACHINE



- Easy to operate, training is not necessary.
- Working steadily and smoothly.
- It slots accurate and clear, no rough edge.
- Elegant appearance and durable.



Processing cardboard scope (mm)	800 x 320, 800 x 420, 100 x 75 , 100 x 90
Min. slotting size	45 mm
Width of slotting	3-5 mm
Working speed	7200 Per Hour
Machine size	1550 mm x 1350 mm x 1220 mm x 1000 mm
Motor	1 HP

VIRDI BROTHERS MACHINERY PVT. LTD.

Manufacturers, Importers & Exporters of 3/5 Ply Board Making Plant & Corrugated Box Making Machinery

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