



K.U. SODALAMUTHU AND CO. PVT. LTD.
AN ISO 9001 2008 COMPANY

Skillfully Designed Carefully Made

PROFILE

Established in 1970, we are a professionally managed organization engaged in the manufacture and supply of automatic paper conversion machinery for textile paper cones, paper tubes, cores, composite cans, fibre drums, edge protectors, pulp moulding and paper recycling. We are Asia's largest manufacturer and exporter of paper conversion machinery under the brand name Sodaltech and have more than 44 years of experience in this field.

Located in the Southern state of Tamil Nadu, India our organization was founded by Late Mr. K.U. Sodalimuthu, who had years of experience in this industry. His rich industrial experience and understanding enabled us to offer state-of-the-art paper conversion machinery with contemporary technology and value-added features.

Vision

To emerge as a global leader in paper conversion technology by delivering cost effective solutions to customers with value for money through technological innovations and manufacturing excellence that are responsive to dynamic market needs.

1) PAPER CONE PRODUCTION LINE



The fully Automatic high performance Paper Cone production line from Sodaltech is designed for efficient manufacturing of paper cones in various sizes required by the spinning industry. The production line comprises the following machines:

1. Automatic Cone Making Machine with Cone Drier
2. Automatic Cone Finishing Machine

This production line facilitates cost-effective results in comparison with production with individual operation.

AUTOMATIC CONE MAKING MACHINE WITH CONE DRIER

Highly versatile to produce cone tapers 5°57', 4°20', 3°30' etc. top corner

Salient Features:-

- Equipped with Sodaltech's unique gripper winding system
- Automatic constant web tension
- Rapid settings and easy adjustments
- Latest type glue applicator
- Waste paper transport system
- Online Printer for precision printing with great flexibility
- Inner logo printer (Optional)
- Drier operates fully automatically and continuously ensuring uniform drying of cones
- Drier can be heated with electric or steam or gas energy with automatic temperature control



AUTOMATIC CONE FINISHING MACHINE

Salient Features:-

- All integrated finishing operations performed by a single machine automatically
- Nosing (Top Curling)
- Nose end lubrication
- Bottom burnishing
- Notching device to punch thread guide notch
- Grooving at the base
- Surface velvet finishing
- Automatic stacking of finished cones



PATTERN DEVELOPING MACHINE REEL MODEL

Salient Features:-

- Highly versatile to cut patterns for cone tapers 5°57', 4°20', 3°30' etc
- Automatic paper feeding and edge grinding
- Rapid changeover between conicities
- Online printer for precision printing with great flexibility
- Inner logo printer (Optional)



GLUEING MACHINE AND CONE WINDERS

Salient Features:-

- Glue coating thickness adjustable
- Uniform coating on both sides of cone pattern
- Self aligned pivoted holders
- Single revolution synchronized clutch
- Pneumatic air ejection system
- Faster interchange of sizes



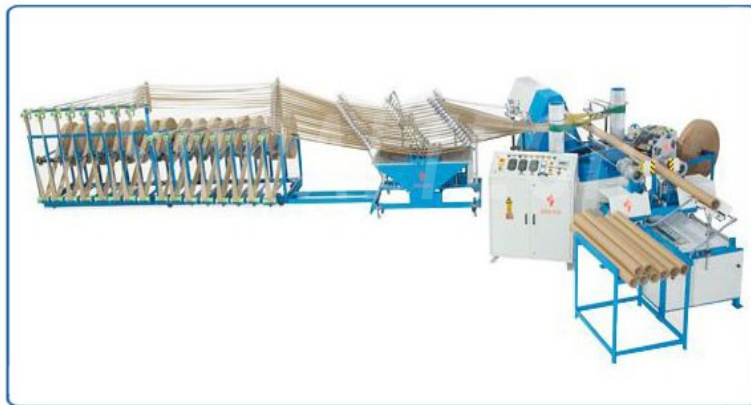
PAPER CONE FINISHING MACHINE (MULTI PROCESS)

Salient Features:-

- Base cutting, grooving, bull nosing, velvet finishing and automatic counting cum nesting operations done in a single machine
- Easy interchangeability of mandrels and abrasive belts
- Automatic indexing of cones as per operational sequence
- Bull nosing pressure, cutting depth and nosing axis – all adjustable independently
- Versatile to finish various cone tapers viz., 3°20', 4°20', 5°57' etc.



2) PAPER TUBE AND CORE PRODUCTION LINE



Salient Features :-

Higher output Extra strong tubes
Electronic proportional control system for winding speed adjustment
Rapidly interchangeable mandrels
Pneumatic control of winding belt tension
Built-in control panel with remote station.

SLITTER REWINDER MACHINE

This machine is used to slit Jumbo paper rolls into smaller widths.

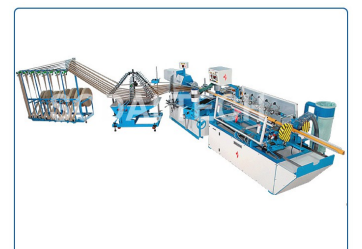
MAIN FEATURES OF THE MACHINE

- The variable speed motor enables to achieve desired speed and reduces the process waste
- The web aligning and tension can be achieved easily
- The machine is made with a strong ultra heavy structure to withstand heavy work loads
- The width of cut and depth of cut can be adjusted easily



PAPER TUBE WINDER WITH MULTI CUTTER FOR KITCHEN FOIL TUBES

This versatile spiral Paper Tube Winder is to deliver high output of pre-cut cores for toilet tissue winding, kitchen foil winding etc.



PAPER TUBE WINDING MACHINE

This machine is used to manufacture thin, medium walled paper tubes and cores for tissue rolls, fax rolls etc.

Output : Up to 15 mts/min. depending upon the sizes of the tube
Minimum inner diameter : 25 mm
Maximum inner diameter : 100 mm
Maximum wall thickness : 5 mm

MAIN FEATURES OF THE MACHINE

- Higher output
- Electronic proportional control system for winding speed adjustment
- Rapidly interchangeable mandrels
- Pneumatic control of winding belt tension
- Built-in control panel with remote station



PAPER CORE WINDING MACHINE

This heavy duty Spiral Paper Core winder is suitable to produce thick walled cores for various applications like reel cores, film winding cores, carpet cores etc.

This machine is easy to operate and maintain. The cutting carriage moves on a free slide rails synchronized with the main tube winder. The online fine cutting unit delivers burr free cores without dust and noise generation.

Technical Specifications:

Output : Up to 15 mts/min. depending upon the sizes of the tube
Minimum inner diameter : 25 mm
Maximum inner diameter : 300 mm
Maximum wall thickness : 16 mm



SALIENT FEATURES:-

- Higher output
- Electronic proportional control system for winding speed adjustment
- Rapidly interchangeable mandrels
- Pneumatic control of winding belt tension
- Built-in control panel with remote station

ULTRA HEAVY DUTY MODEL FOR CONSTRUCTION CORES

This model is highly suitable for producing larger diameter cores for construction pillars, storage cores etc.

Paper Tube Winder with multi cutter for kitchen foil tubes

This versatile spiral Paper Tube Winder is to deliver high output of pre-cut cores for toilet tissue winding, kitchen foil winding etc.



AUTOMATIC TUBE FINISHING MACHINE

This automatic Tube Finishing Machine is suitable for finishing textile yarn carriers like DTY and POY tubes and fitted with automatic tube transfer mechanism.



- Multiple operations
- Both ends polishing
- One end curling & other end polishing
- POY Tube Notching & Grooving
- Smooth, simple operations
- Easy interchangeability of toolings
- Thread notch depth angles & reference are easily adjustable

AUTOMATIC CORE CUTTER

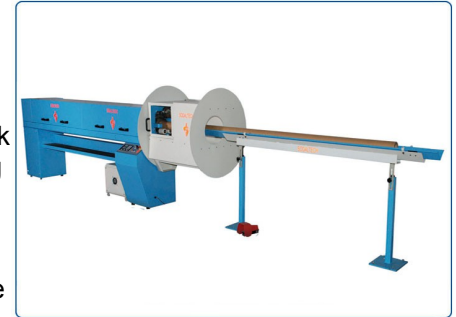
Our Automatic Core Cutter is used to re-cut jumbo length cores into smaller size cores.

This machine is very ideal for users of paper cores like paper mills, newsprint mills, BOPP Film manufacturers, converters etc. who can reduce their inventory and hassles of buying cores in different lengths from core manufacturers. They can stock jumbo length cores and cut into required lengths suiting their production plans using this core cutter.

This machine is fitted with suitable safety devices for operator's protection. The core cutter is simple to operate and maintain. Programmable control panel is also available as an additional option. No excess dust or sound pollution as saw blade is used. The machine is CE certified and provided with standard safety norms and inter-locking etc.

Output :Up to 6 cuts per minute depending upon the sizes and widths (or) approx. 6000 jumbo cores / day

Minimum inner diameter : 50 mm
 Maximum inner diameter : 150 mm
 Minimum length of cut : 50 mm
 Maximum length of cut :3000 mm
 Maximum wall thickness : 16 mm



EASY CUTTER (ECONOMIC MODEL)

Technical Specifications:

Minimum Inner diameter : 50 mm
Maximum Inner diameter : 203 mm
Maximum wall thickness : 12.5mm (Higher wall thickness on extra cost)
Maximum length : 1500 mm
Minimum cut length : 15mm
Accuracy : +/- 0.4mm depending on the sizes
Length Selection : By Siemens Touch Screen
Operator : One person
Power (approx) : 1.5 KW
Standard Accessory : One standard size mandrel



PARALLEL TUBE WINDER

Highly suitable for producing tubes for sewing thread, gun cartridges, pyrotechnic tubes (fireworks tubes) incense stick, packing tubes etc.



3) EDGE PROTECTOR PRODUCTION LINE



The Edge Protector Making Plant is made heavy duty to produce high strength paper edge protectors and 'U' Profile channels which are very ideal to prevent damages to edges of various palletized goods and circular goods like paper reels, steel coils etc.

The machine is rugged, yet easy to use. It has facility to interchange profile design and variable speed drive for faster setting and control of process wastage.

The future of packaging lies in the recyclability of most of the packaging materials. Edge protector is an environment-friendly product using strong paper board which is easily recycled.

TECHNICAL SPECIFICATIONS:

Output : Up to 30 meters per minute depending upon the sizes

Sizes made (ANGLE BOARDS) : 25 X 25, 40 X 40, 50 X 50, 75 X 75, 100 X 100 up to 5mm wall thickness in any standard lengths

EDGEBOARD ROTARY NOTCHING MACHINE

SODALTECH EBRN 75 Export Model Paper Edge Board Rotary Notching Machine (Wrap-around cutting) to make continuous V-notching fitted with rotary cutting system with following features :

Paper Edge Board size : Minimum 25 x 25 mm, Maximum 75 x 75 mm

Wall thickness : Minimum 2 mm, Maximum 3 mm. Depending upon size

Parent Edge Board length : Minimum 200 mm, Maximum 4000 mm
(more length on special order)

Motor : 1.5 KW (2 HP)

Production speed : Upto 35 metres / minute depending upon the size

Thickness adjusting mechanism

Collection stand for notched edgeboards

Operator : 1 Person



4) COMPOSITE CAN PRODUCTION LINE



The Composite Can Making Plant is suitable to make Composite Cans for packaging of detergents, liquor bottles, automobile components, engineering goods, laminated cans for packaging of potato wafers, fruit drink, etc. These composite cans are eco-friendly as they are easily disposable and recyclable.

The can body maker is fitted with a folding and heat sealing equipment to heat seal inner aluminium foil layer for leak proof cans.

The key feature of this production line is its high performance with low maintenance cost. The composite cans making machinery comes with other optional equipment for producing composite cans, which include labelling machine, can flanger and can seamer.

The composite can production line facilitates easy interchangeability of toolings for various sizes of cans.

TECHNICAL SPECIFICATIONS: Output : 30,000 cans per day of 24 hours operation depending upon the sizes

Minimum inner diameter of the can : 25 mm

Maximum inner diameter of the can : 100 mm

Maximum height of the can : 525 mm

Maximum Wall thickness : 3 mm

BODY MAKER

The main salient feature of this production line is its high performance with low maintenance cost . The composite cans making machinery comes with other optional equipment for producing composite cans. The other major parts of composite can production line include labelling machine, can flanger and can seamer. The composite can production line facilitates easy interchangeability of toolings for various sizes of cans.



HORIZONTAL LABELLING MACHINE

This machine is used to wrap pre-printed label on the body of the can.

TECHNICAL SPECIFICATIONS:

Output : Up to 30 pieces per minute depending upon size and operator's efficiency (or) approx. 35,000 cans/day depending upon the sizes



Minimum inner diameter of tube : 50 mm
Maximum inner diameter of tube : 100 mm
Maximum wall thickness : 5 mm
Maximum width of labelling area : 500 mm

CAN FLANGING MACHINE

To make flanging at the ends of the can for firm holding and crimping of the lid.

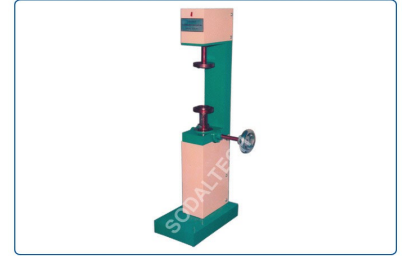
TECHNICAL SPECIFICATIONS:

Output : 25 cans / minute depending on the operator's efficiency

Minimum inner diameter of the can : 22 mm

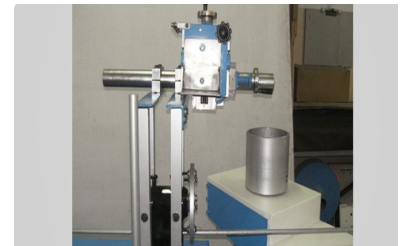
Maximum inner diameter of the can : 150 mm

Maximum height of labelling area : 350 mm

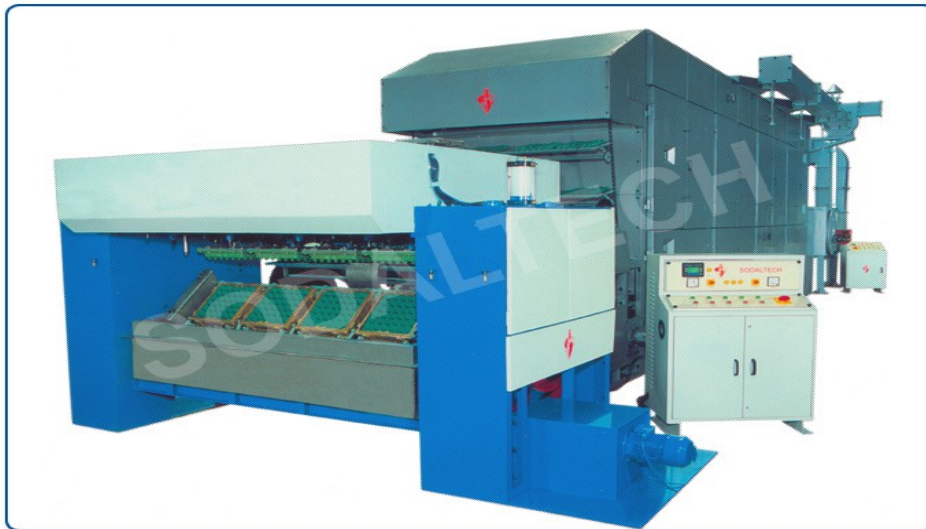


HEAT SEALING SYSTEM

This system comes with inner liner folding device with suitable mandrel cooling arrangement.



5) PULP MOULDING PRODUCTION LINE



SODALTECH manufactures various models and types of Machines, Equipment, Spare Parts needed mainly to manufacture Paper Pulp Moulded products generally made from Waste Boxes, Papers, Indian Pulp, Taiwan Pulp, Korean Pulp, Canada Pulp, China Pulp, Thailand Pulp, Indonesia Pulp, Southern Pulp etc, most of the Paper & Paper based Paper Waste can be recycled using **SODALTECH** Equipment. The production lines are simple to operate and maintain. It has high productivity, easy interchangeability of mould tooling, consumes less energy with less manufacturing cost, faster setting time etc, It can be upgraded to next higher level of production by adding less number of additional machines. Various models and ranges are available in Wet Moulding & Dry Moulding Process (Fine Moulding). The range of products that can be made are endless. Few examples are Egg

Trays (30-cell) Egg Box/Carton (6-cell,10-cell, 12-cell, 6+6 – cell, 18 cell) Egg Carton of multi cavity sizes, Can Shell types, Apple Tray, Fruit Tray, Tomato Tray, Pear Tray, Orange Tray, Cup carriers used in fast food outlets (4 pack, 2 pack) Hospital and Medical Care products (like Bed Pan Sleeves, Male Urinal Bottle, Female Urinal Pots, Kidney Tray, Bowls) Nursery Pots, Seed Pots (Jiffy Pots), Industrial Packs (Packing Buffers) Electronic Products Packing Pads and Paper Trays, Tableware etc.

Advantages of SODALTECH Paper Pulp Moulding Machines

- . Machines Sophisticated yet easy to operate
- . Rust protected solid steel construction
- . Fast interchanging of moulds with dryer linking option
- . User friendly control panel with low maintenance service system
- . Low cost of production due to less power, space and labour
- . Choice of end product colors
- . Water proof products by using additives
- . High and fast return on investment

HYDRAPULPER

This machine is used to make liquid pulp from waste paper.

The machine is ruggedly built to withstand fluctuating heavy pulping loads and the walls are made of mild steel with rust preventive coatings. The special material used in cutter (Impeller) ensures aggressive cutting action with less input of power and time. The cutter is operated by an electric motor. Optional Automatic waster paper conveyor can be attached to pulper.

Capacity of the Pulper: To pulp waste paper up to 200 kgs/hour depending on the raw material



MOULDING MACHINE

This Moulding Machine is used to mould the pulp products by using the relevant moulds. The moulding machine is of state-of-the-art design and is operated by combination of mechanical indexing and electro-pneumatic system. The advanced design of control has independent control circuits for all operating units and conveniently located remote control operation ensures the operator to work comfortably and to have close monitoring of the process. Most of the sensitive operations are logic controlled and fail safe.



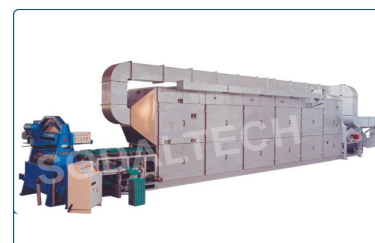
DRYER

The On-Line Drier is used to dry the products and delivers out the same through the conveyor. The On-Line Drier is of tunnel type having independent metal tray (M.S. Trays coated with heat resistant coating) holders operated by automatic indexable conveyerised chain. The conveyor is of multi-pass system to save energy, space and investment. The whole chamber is made in a strong fabricated structure and the walls are insulated to have minimum radiation loss. Both sides of the Drier can be opened easily for general maintenance and inspection. The inner walls and ducts are protected with heat resistant paint for long life. A safety clutch is provided to protect any major accident while in operation.



RECIPROCATING MODEL

This model is recommended for entry level pulp moulding, project, with medium output. (e.g.: egg trays, fruit trays etc)



This is similar to the conventional Wet moulding process with transfer mould and forming mould working on reciprocating method. The forming mould goes down to the pulp and comes out as product formed over the mould. The transfer mould comes down, does wet press and goes up by holding the wet product with it.

ROTARY MODEL

The Rotary Model Moulding Machine is of state-of-the-art design and is operated by electro-pneumatic power. The advanced design of control has independent control circuits for all operating units and conveniently located remote control operation ensures the operator to work comfortably and to have close monitoring of the process. Most of the sensitive operations are logic controlled and fail safe.



MULTI SIDE ROTARY MODEL

This model is highly suitable for high volume production capacities for egg trays, fruit trays etc. This machine is fitted with sophisticated indexing mechanism to ensure optimum performance levels.



DRY MOULDING PROCESS

This model machines are known various names like fine pulp moulding machinery, fine pulp moulding system, fine pulp moulding equipments, dry type moulding (molding) machinery, pulp thermoforming machinery, direct hot press machinery, dry in mould, cure on mould, cure on moulding machine, cure on moulding equipments, cellulose fibre moulding equipment to the packaging industry, fibre moulding equipments, pulp and fibre moulding machinery, tray making machinery, tray making equipment, egg box moulding machine, quality pulp moulding machine.

This process is very simple to handle and make many varieties of pulp moulded products. The end product will have excellent smooth finish and close dimensional accuracy.

Process Flow :

The waste paper and water alongwith required chemicals are made into pulp using pulper and stored in the tanks. Then these pulp is taken to the main moulding machine and circulated to maintain uniform flow.



HOT PRESS MACHINE

This machine is used to add smooth finish and presentation to the trays. The machine is simple to operate and maintain and the output is synchronised with main moulding machine.



6) FIBRE DRUM PRODUCTION LINE



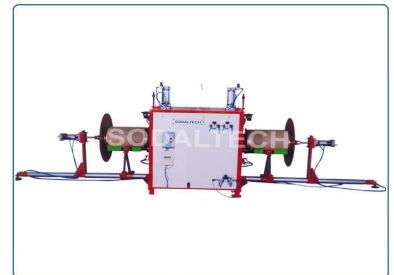
This production line is used to manufacture cylindrical Fibre Drums using Kraft Board. These drums are used to pack bulk drugs, chemicals, dyes, pharmaceuticals, engineering, consumer goods, adhesives etc. In Textile Mills the fibres are also transported through these drums. Fibre Drums are the most preferred option wherever there is a need for a cost-effective, light weight but strong packing material. This machine is used to manufacture spirally wound paper tubes using various plies and glue.

FIBRE DRUM RING FIXING BEADING MACHINE

This machine is used to fix the metal rings with the top & bottom of the drum and seamed to hold firmly with body.

Salient Features

- This machine is simple to maintain and operate.
- Pneumatically operated clamping and grooving devices
- The diameter and length of the machine can be adjusted easily
- Automatic constant web tension



FIBRE DRUM BODY MAKER

This production line is used to manufacture cylindrical Fibre Drums using Kraft Board. These drums are used to pack bulk drugs, chemicals, dyes, pharmaceuticals, engineering, consumer goods, adhesives etc. In Textile Mills the fibres are also transported through these drums. Fibre Drums are the most preferred option wherever there is a need for a cost-effective, light weight but strong packing material. This machine is used to manufacture spirally wound paper tubes using various plies and glue.



FIBRE DRUM BOTTOM LID FIXING MACHINE

This machine is used to fix the bottom disc with the drum.

Salient Features

- Pneumatic clamping to hold the drum firmly.
- The depth of grooving and diameter of grooving can be adjusted easily and quickly.
- Easy interchange facility of clamping.



DISC CUTTING MACHINE

This machine is used to cut circular discs (lids) from plywood or hardboard sheets for using as end closures in Fibre drums.



OUR OVERSEAS MARKETING OFFICES IN FOLLOWING COUNTRIES



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