



The 3 Pillars of Progress

High-Precision Technology

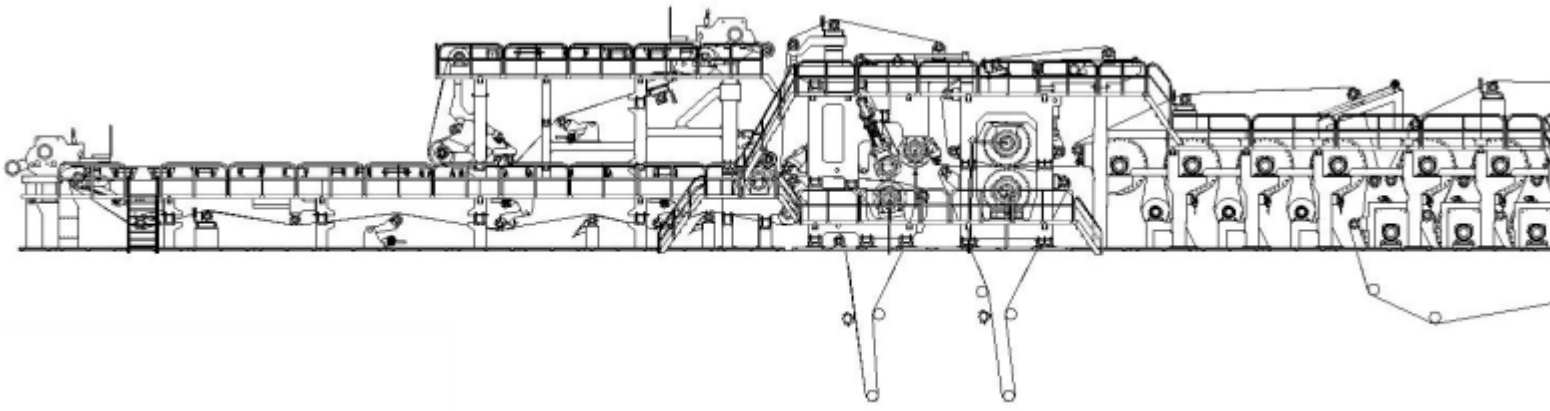
On-Time Delivery

End-To-End Solutions

*Your Partner
in
Excellence!*

Website: www.salonipmpl.com
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“We believe that every company needs the best product to cater the Market with most efficient manufacturing process supported by Latest Technology.”



Saloni Paper Machines Pvt. Ltd., Vapi, Gujarat



Mr. Jaikishan Sharma (Director)

Geared up with the essential skill-set and latest tools in designing, project engineering, manufacturing, and project management, we take up the assignment of paper plant on turnkey basis. This will be your one-stop destination to realize your dreams and turn them to reality by partnering with us as, Teamwork makes Dreams work.

Saloni

WELCOME TO SALONI PAPER MACHINE

Saloni PMPL is one of the leading Paper Machine manufacturing companies serving the customers since 2010. We provide tailor-made solutions to the customers to suit their wish list and collaborate closely with them in every aspect of project development by making their vision as our mission.

We also equip our customers with a robust team of dedicated engineering specialists who guarantee quality performance in services such as Paper Machine Manufacturing, Operational Improvement, Expansion, Modernization & Up-gradatio, Energy Conservation, Old Machinery Rejuvenation, Plant Erection / Commissioning & Installation.

We endeavor to be your partner in success by focusing on building quality products that are reliable, efficient and bring high precision technology at your fingertips.

ABOUT JAI KISHAN SHARMA



Mr. Jai Kishan Sharma is the Managing Director of Saloni Paper Machine Pvt. Ltd. His rich experience of nearly 26 years (1993-2019*) helped in achieving a number of valued clients with maximum customer satisfaction. His interpersonal communication skills and leadership qualities have helped him take the company to greater heights. With proven skills to drive business growth, he has always helped corporates gain profits and excel in their endeavors.



VISION & MISSION

Customer satisfaction is the top priority for our organization, thus, we aim at providing high quality engineered solutions in design and manufacture of Paper & Paperboard machinery. We intend to be the suppliers of most efficient and cost effective Paper Machines in the market.



OUR TEAM

Our team consists of focussed and dedicated dynamic Engineers who are guided & supported by highly experienced professionals of Paper industry. The team is determined to delivering innovative solutions to satisfy customer requirements.

OUR SPECIALIZATION

- We provide complete turnkey project from - 50 TPD to 600 TPD Paper Plant.
- OUR DESIGN & MANUFACTURING SCOPE
- Product wise: Writing & Printing/ News Print /MG Poster & Tissue / Single & Multi-Layer Kraft / Board Machine.
- Size & Capacity: Deckle up to 5.5 Metre, Speed up to 800 M/Minute, Production: 50-600 T/Day.
- Single & Multi Fourdrinier, Straight through Plane Press, Closed draw BI Nip Press of special and separate configurations for kraft and Writing & Printing Paper. Heavy duty Jumbo Press .
- Open Type Dryer Section with Solid construction.
- Specially designed Inclined Size Press.
- Calendar Section with Solid L type Framing with desired loading System
- Pneumatically or Hydraulically operated Reel Section with efficient Reel Spool Loading System.
- Slitter Rewinder.

OUR TECHNICAL ACTIVITIES



- Maintenance of Plant & Machinery.
- Erection & Commissioning of New Plant & Machinery.
- Dismantling, Overhauling, Erection & Commissioning of Existing plant.
- Improving the ongoing plant performance.

OUR BIGGEST ASSET



- From planning to execution, we have experts in our team who not only finish the task accurately and precisely but on time.
- We value time, our commitments towards clients is to ensure a smooth transition from planning to execution.

EXPERTISE



Time and accuracy are the key to success, thus we deliver our quality products with high precision on time. We have the required set of skills in designing, project engineering, manufacturing & project management to take up the assignment of paper plant on turnkey basis. We undertake Design & Manufacturing along with Erection & Commissioning of new Paper machines, as well as the modernization of existing pulp and paper mills.

HEAD BOX

Head box considerably influence the characteristics of paper like basis weight cross profile, uniform formation and fiber orientation.



There are two type of Head Boxes Open type & Closed Type (Pressurized Head box)

Open Type Head Box

Operating speed. : 80-250 MPM
Width up to : 5000 mm

Closed Type (Pressurized Head box)

Air Cushion Head Box

Operating Speed. : 150-450 MPM
Width up to : 5000 mm

Taper header and step diffuser for distributing stock evenly.
Micro adjustment of slice lip with dial indicator.

Top slice adjustment by jactuator with electro mechanical gear motor

Top slice up and down movement by jactuator with electro mechanical gear motor and head box PLC Control Operation.

FOURDRINIER (WIRE) SECTION

We manufacture an ample range of exemplary quality Wire Section with Cantilever system, which makes Wire change quick and easy. The complete heavy duty Wire frames are fabricated with M.S. & cladded with 2mm thick S.S. 304 sheet with S.S. 304 machined Flange and padding plate to ensure the long life.

Manufacturing Range

Simple Fourdrinier to Multi Wire Board machine Wire part having width up to 6000mm, Production 50-600 TPD with speed up to 800 MPM The wire part is equipped with series of S.S. Fabricated Drainage Elements Boxes like Forming Board, Hydrofoil Boxes, Vacuum boxes etc. of our design along with imported ceramic material for the boxes.



Includes : Breast Roll, Suction Couch Roll, Combination Roll, FDR, Wire Return Rolls & Lump Breaker Roll

- Easy, Fast & Safe Mounting of Wire.
- Semi Automatic Wire Tensioner.
- Good Quality of Shower for Better Cleaning & Lubrication.
- S.S. 304 Cladding to Prevent Rust.
- Breast Roll Lowering Lifting Arrangement for Easy Operation.
- Electric Motorised Stretchers.
- Good Quality of Doctoring System.
- Proper Designing of Wire Length According to Requirement.

K - PRESS SECTION

K-Press is specially designed to produce Lighter GSM Kraft Paper with more efficiency. Specially designed K-Type PRESS SECTION with Center Suction Press roll serving two Suction Nips, Compact design with Two Nips ensures lesser space requirement but with higher exit dryness and higher bulk of the Sheet.



K-PRESS FEATURES

- K type Press consists of Center Suction Press Roll, Bottom B.D. Roll & Top Dynarock with appropriate size for Operating Nip Load from 70-110 kg/cm.
- It is designed for Moderate & High speed paper machines for manufacturing wide range of papers with maximum de-watering efficiency.
- Heavy duty sturdy frame with rigid tie for speed up to 750 MPM & 5500mm Paper width at Pope Reel for Low GSM Kraft Paper.
- Allows quick & easy felt changing with less number of Felt rolls to be removed during felt changing.
- Trolley system for easy & safe Press roll changing.
- Easy tail feeding.
- Micro travel oscillating High Pressure shower, Lubricating shower & Uhle box for felt conditioning.
- Pneumatically operated cylindrical type Auto guide for Felt guiding.
- Robust & maintenance free stretcher with manual or Electromechanical operating. Better arrangement of doctoring system.

Advantages

- Improved sheet profile
- Maximum De watering
- Improved sheet strength
- Improved machine efficiency
- Reduced steam consumption
- High Speed Capabilities.
- Produce Multiple GSM Product Efficiently

STRAIGHT PRESS SECTION (Conventional)

The Press section mechanically squeezes water from the wet web coming from Wire section. High dryness after the press is required to reduce steam consumption. Removal of water in Dryer Section through evaporation is 7-10 times costlier than Press Section.



PRESS HAS TWO MAJOR OBJECTIVES

1. To remove water from the web.
2. To consolidate the web, to bring fiber in to close contact for bonding. Straight Jumbo Press with Blind Drilled Press Rolls, Double Felting and higher Nip Loads help in improving the Physical Properties of paper due to greater Sheet consolidation. Machine efficiency improves with low number breaks.

SALONI STRAIGHT PRESS FEATURES

Duly coated Press roll with size of $\varnothing 800$ to $\varnothing 1500$ mm for operating Nip Loads from 60 to 350 Kg/cm. Straight Press is designed for Low & Moderate Speed Paper Machines for manufacturing wide range of papers.

Jumbo press is designed for maximum dewatering efficiency.

Our Designed Heavy duty sturdy frame with sufficient rigid tie for speed up to 600 MPM & width up to 6 Mtr. for Kraft & Board Paper.

- Design of frame for quick & easy felt changing.
- Less Number of Felt rolls to be removed during felt changing.
- Trolley system for easy & safe Press roll changing.
- Easy tail feed.
- Micro travel oscillating High pressure shower, Lubricating shower & Uhle box for felt conditioning.
- Pneumatically operated cylindrical type Auto guide for Felt guiding.
- Robust & maintenance free stretcher with manually & Electromechanical operating.
- Better arrangement of doctoring system.

Advantages

- Improved sheet profile
- Maximum De watering
- Improved sheet strength
- Improved machine efficiency
- Reduced steam consumption

BI-NIP PRESS SECTION

Bi-Nip Press is specially designed for Writing Printing & News Print paper above 400 MPM Machine speed. Specially designed BI-NIP PRESS SECTION with Suction Pick Up Cum Press roll serving two Suction Nips, Compact design with Two Nips ensures lesser space requirement with higher exit dryness and better runnability.



BI-NIP PRESS FEATURES

- Bi-Nip Press consists of Center Dynarock Press Roll, Top B.D. Roll & Suction Pick Up Cum Press roll with appropriate size for operating Nip Load from 60-90 kg/cm.
- It is designed for Moderate & High-speed paper machines for
- manufacturing wide range of papers with maximum dewatering efficiency.
- Heavy duty sturdy frame with rigid tie for speed up to 800 MPM & width up to 6 mtr for Writing Printing & News Print Paper.
- Allows quick & easy felt changing with less number of Felt rolls to be removed during felt changing.
- Trolley system for easy & safe Press roll changing and easy tail feeding.
- Micro travel oscillating High Pressure shower, Lubricating shower & Uhle box for felt conditioning.
- Pneumatically operated cylindrical type Auto guide for Felt guiding.

Robust & maintenance free stretcher with Manual & Electromechanical operation. Better arrangement of doctoring system.

We are working on Bi-Ni Press Running at 750mpm and 5300mm Paper width at Pope for Writing and Printing and News Print Product.

Advantages

- Improved sheet profile
- Maximum De-watering
- Improved sheet strength
- Improved machine efficiency
- Improved machine runnability
- Reduced steam consumption

SUCTION PRESS ROLL

SALONI has successfully designed SUCTION ROLLS for use in different positions of Paper Machine which includes both SUCTION COUCH ROLL and SUCTION PRESS ROLLS. Within very short period SALONI has developed SUCTION ROLL INTERNAL BOXES with Single OR Double Zone applications. Because of versatile practical experience of the Engineering team, SALONI's SUCTION BOX INTERNALS for different rolls have been proved to deliver smooth and desired performances in every application with complete Customers satisfaction.

Special attention and efforts are given in designing and manufacturing a flawless internal Box along with perfect workmanship.

Most talented & experienced engineering team works on Suction roll internal Box designing. Special stress is given on all aspects of the applications for which the Suction roll is intended.

Dedicated and highly skilled manufacturing team works on fabrication and machining of the INTERNAL BOX of the Suction Roll. Thorough inspection at each stage of manufacturing.

Being most vital part of Paper Machine with respect to Machine Operation SALONI always tries to provide best material and components to ensure perfect and stable runnability of the SUCTION ROLL.

At the end, a team headed by specialist Senior Engineer works on assembly of the Internal Box and its proper fitment into the Roll Shell.



DRYER SECTION

Paper leaves from the Press section and enters to the dryer at consistency of 40-50%. The dryer causes further water removal by evaporation. The sheet is held in intimate contact with the heated surfaces by means of dryer Screen. Drying cylinders are used in the paper industry for Drying the Paper, Board, Speciality papers & Tissues. Alloyed Cast Iron Cylinders are used for installations after Size Press, after Coating and for cooling applications.



- We design and produce Heavy Duty Frame in Mild Steel, suitable for \varnothing 1200, \varnothing 1500 and \varnothing 1800 mm Drying Cylinders and also for M G Cylinders up to \varnothing 5000 mm.
- Dryer Frames designed with rigid tie in Heavy Duty M.S. fabrication, capable of withstanding high speed vibrations.
- Best doctoring arrangement (Rigid & Flexible with Oscillating System).
- Felt Rolls, Doctors, Auto Guides, Felt Stretchers, Gear and Pinions, Silent Drives corresponding the Machine Speed & Requirements.

We also offer a wide range of imported and indigenous, dynamically balanced Drying Cylinders of \varnothing 1200 to \varnothing 800 mm. in graded Cast Iron with operating Steam Pressure upto 4.5 kg/cm²

SIZE PRESS SECTION

Some Paper Machine contains this unit for the application of certain liquid media to the web surface. The process of applying starch solution, sizing agent or mixture of both is called surface sizing. The objective is to increase the paper strength and to modify the surface properties of the paper with respect to liquid uptake during Writing, Printing or Coating on the paper.



Size Press is the tool which gives an economically feasible way for Paper Makers by enhancing physical strength properties of Paper and the Starch Coating partially substitutes the need of high cost Imported Waste Paper in ultimate furnish.

We offer Size Press in every configuration, i.e. Inclined, Horizontal for online Sizing of Paper and Paper Boards. A far-reaching range of exceptional quality Size Presses (with Size Preparation Kitchen) manufactured and Supplied by us in last nine years are relentlessly giving excellent results.

Size Press Rolls are coated with special grades of Rubber and Micro Rock to withstand Heat and give perfect sizing . Nip Loading arrangements with pneumatic / hydraulic operations.

Size Kitchen Equipments are constructed with Stainless Steel along with standard precision Pumps, Agitators, Vibro Screen etc.

ADVANTAGE:

High Sizing Efficiency
High Operational Reliability
Small Space Demands

- Surface sizing - to get an effective quality improvement of produced paper and reduce sizing cost.

POPE REEL SECTION

After the Calender Section, the paper web is wound into a large roll at the end of the Paper Machine, called a reel which is the last operation of the continuous Paper Machine.

Highly efficient and technologically Smart Pope Reeler with Spool Loader is the need of modern Paper Machines and we are the proud to say that we are one of the leading manufacturers to supply a number of successfully running units.

Reel face up to 5500 mm and Jumbo Roll dia. up to 2500 mm appropriately suitable for 30 to 550 GSM Paper and Paper Board.

Jumbo Roll dia. up to 2500 mm appropriately suitable for 30 to 550 GSM Paper and Paper Board.



POPE REEL ADVANTAGES

- Excellent roll build up with large diameters up to 2500 mm
- Medium speed capability up to 750 mpm in line with present day medium sized Paper Mill demands.
- Large deckle width up to 5.5 mtrs
- Over head empty spool storage
- Reel turn up operations semi/fully automated either by Goose neck type or equivalent
- Conventional electro mechanical controls for precise winding
- User friendly operator controls
- Improved paper winding
- Easy and fast maintenance
- Bump less transfer controls
- Tight & uniform winding

REWINDER SECTION

When paper is wound to full size on Pope reel, full reel is transferred to winder where it is rewound and sliced into desired sizes, i.e., Rewinding & Longitudinal Slitting of Paper Web .

Our Twin Drum winder achieves outstanding winding results even with large reel diameters. It has simple and easy operation providing several advantages such as high slitting quality, large finished reels, high output, low down times and auto set changes.



Technical Parameters

Basis weight of Paper Web : 40-500 GSM

Working speed up to : 1800 MPM

Max Unwinding \varnothing : 2500 MM

Max Rewinding \varnothing : 1500 MM

Max. Paper width : 5000 MM

- Rewinder design for Low Basis Weight Range 40-70 GSM of Paper Like Writing & Printing, News Print. Also for Medium Basis Weight 100-350 GSM like Kraft Paper & for Heavy Basis Weight 350-600 GSM Paper Like Board , Coated board.
- Auto Aligned Imported knife system for excellent slitting quality.
- Robust and sturdy design frame to with stand vibration at 1800 MPM.
- Easy and compact design web threading consist of conveyor belt, chutes & Air nozzles.
- From optimum winding achieved by Auto controlled Rider roll Nip Relieving , Tungsten Carbide Surface coating on drum roll.
- Easy and time saving shaftless design (Core Chuck)
- Empty spool ejection system.
- Linear motion guide rail provide friction less & Maintenance free operation.
- Suction of trimming Equipments.
- Hydraulic controlled Reel Pusher & Ejection.
- Back cutting system.
- Spreader roller for Correct web guiding.
- Load cell for Reel Tension control.
- Brake Generator for Energy saving & Reduce Power Consumption.