

MACHINES FOR
WOVEN SACK
INDUSTRIES

SAR INDUSTRIES
SAR MACHINES PVT. LTD.



About us :

Sar Industries was established in the year of 2004 & officially registered in year of 2011. Its main cause for the establishment was to provide technical support for Woven Sack Industry to achieve up-gradation.

In a very short span of period the company has proved its presence as a leading manufacturer assuring quality and performance. In the past couple of years, we have been working with number of companies in India with a highly skilled professional team to provide good products efficiency.

It is engaged in manufacture of complete range of machines required by Plastic Woven Fabric Industry and is an undisputed leader amongst machine manufacturers of this industry. At present, it is not only enjoying a bigger market share in India but has also earned a reputation of world's leading manufacturer of such equipments. Its projects are running successfully in over different countries around the world and this accomplishment has been possible due to the Industry's continuous emphasis on quality and innovation.

We have continuously invested to create most up-to-date design & development, manufacturing and related capabilities including human resources to produce quality products and services for the world markets. We are committed to enhance our leadership position by leveraging our core strengths to continuously innovate to create advantages for all our stakeholders. We give our best to provide total customer satisfaction through quality products and services at competitive costs. Sar industries is itself an achievement at par and has a long way to go ahead and create advantages in the technological world. We are also Exporting to our overseas customers



Zambia



Russia



Egypt



South Africa



ethiopia



Nigeria



Kenya



Tanzaniya



Arab Emirats



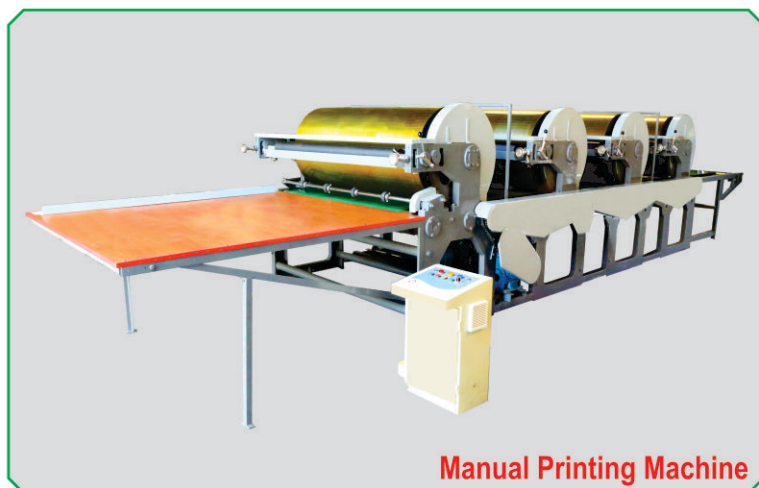
Kuwait



Sri Lanka



Nepal



Manual Printing Machine

Flexographic Manual Printing Machine

Flexographic printing machine fabricated of Cast Iron, suitable for HDPE / PP woven sacks having

Printing Area: 1143 mm X 711 mm

Maximum Bags Passing Width: 813 mm

Speed : 2500 3000 BPH

Comprising of:

- Electric Motor: 1hp/2hp/3hp / 1440 rpm 3 phase / 50 cycle coupled with reduction gear V-belt pulleys, chain wheels, chain tightening device, chain cover, gear wheels (hov cut) and covered,
- Separate chambers with cover for different colors, C.I. side bracket, bearing housing with heavy duty ball bearings to hold main drum duly grinded and hard chrome,
- Eccentric bearing housing with self aligned bearings to hold two neoprene coated M.S. Shells for transferring color to stereo, with color tray & cover,
- Guide rolls made of seamless pipe duly turned. Roll beneath the main drum fitted with pressure releasing system and operational from feeding end,
- Gears made of cast iron except that of mild steel for driving main drum and are hovecut,
- Conveyor belts of rubber coated endless to carry printed bags from one end to the other with belt tightening arrangement,
- Front platform with laminated sheet complete with margin setter
- One ON / OFF Switch and a set of spanner.



Hydraulic Bale Press for FIBC/Jumbo Bags

Technical Data (FIBC/ Jumbo Bags Bale Press)

Type	: Four Pillar Hydraulic Press + Four Guide Bar.
Frame Type	: Three sides closed and one side Open able door with Lever arrangements.
Capacity	: 100 ton onwards up to 150ton.
Platen Size	: 900mm X 1100 mm (Slits on both axes)
No of Cylinder	: 1 No. of Main Cylinder
Day Light	: 2000 mm, Day off : 400 mm
Pressure Range	: 0 - 350 Kg/cm ² Working Pressure: 150-200 Kg / Cm ²
Pusher	: 1 No. of pusher to push the bale out in tact condition.
Electric Motor	: 20 hp / 25hp / 30hp
Oil Reservoir	: 400 Liters, Oil Required : 350 Liters [Enclo-68 / Harmony-68]
Operation	: By Push Buttons with electrical Panel
Valve	: YUKEN / REXROTH/ Hydrank (USA) Make, Pump : VELJAN / KOOJAN
Cylinder Seals	: TECNOLAN (Italy) / MERKEL (Germany) make



Hydraulic Bale Press For Small Bags

Semi Automatic Hydraulic Bale Press

These presses are most suitable for very compact baling of hdpe, pp-woven sacks bags. Compact bales of bags made to facilitate save transportation cost, time & storage space.

Capacity : for small bags 20 ton - 80 ton.

Silent features:

Four open guide pillars + four guide rods for support of moving platen resulting in

Perfect alignment and safety of the hydraulic seals.

Hydraulic double acting cylinder.

Slits on both axes provided for the perfect bale strapping.

The moving platens can be stopped by means of height adjustable limit switches on both Sides, i.e. upwards & downwards.

Pressure relief valve is provided for pressure adjusting.

Available in a wide range of platform sizes, height & tonnage.



Hydraulic Bale Press for Waste/Scrap

Hydraulic Bale Press for Waste/Scrap/Pet Bottle

Capacity	: 10 Ton
Platen Size	: 800 X 600 mm
Daylight Gap	: 1000 mm
App. Time	: 32 sec for 800 mm travel
Cylinder Size	: 1 no. main cylinder
Construction	: Three sides closed one side open able door with four bearing for support of moving platen resulting in perfect alignment and safety of hydraulic seals.
Slits	: One axes provided for perfect bale strapping.
Hydraulic Seals	: Hydraulic seals are made of bronze based Teflon (Tecnolan (Italy) Markel (Germany)).



Mixing Machine For Raw Material (Granules)

MIXING MACHINE FOR RAW MATERIAL (GRANULES)

We are very pleased to introduce yet another innovation to woven sacks industry. It will certainly minimize your problems in mixing of raw materials perfectly. The salient features of our mixing machine are:

- 1.Reduction of man power working
- 2.Reduction of mixing time
- 3.Reduction of mishandling
- 4.Improves quality of end product

Machine Size (L X B X H) in MM	Mixing Capacity Kg / 15 min
1000 X 1000 X 1000	150



Hot Air Dryer For Raw Material (Granules)

HOT AIR DRYER FOR RAW MATERIAL (GRANULES)

Capacity : 60 Kgs./ 15 Mins.

Connected Load : 3 kw heating load and 2 Hp Blower

Control panel : PID temp Controller with on/off switch.

Now days Calcium carbonate is very essential raw material for woven sacks industry. this dryer is used for pre heating of calcium carbonate which provides even mixing with polymers result of pre heating adds low tape breakage, higher strength & maximum us of calcium carbonate.



Woven Fabric Reforming / Inspection Machine

Woven Fabric Reforming / Fabric Inspection Machine

Structure : Robust structure made of M S "C" channel, Pipe and Plates

Un-Winder Unit : Moving trolley on linear bearing machedigital web guide with actuator - + 100 mm Safety chuck for smooth roll loading and holding

Tension control : Load cell with Pneumatic control break for controlled tension

Web path : With the help of guide rolls and nipping arrangement for inspection

Re-winder unit : Two roll rewind system roll with rubber emery, geared motor/chain drive for speed control with proper speed and tension.

Control Panel : Tension control unit, web guide system, control for nip open and close, speed indicator as well as length control. Ac drive and other display for rewinding unit.

Working width : 500 mm to 4000 mm



Bobbin Cleaning Machine

Bobbin Cleaning Machine

Machine	: ONLINE PIPE CLEANING MACHINE
Machine Capacity	: 25-35 PIPES /MIN.
Cutting Mode	: HEAT CUTTING BLADE
Connected Load	: 3 KW HEATING AND 0.75 KW MOTOR LOAD
Structure	: ROBUST STRUCTURE MADE WITH ANGLE & PLATE
Speed Adjustment	: WITH AC DRIVE
Maximum Dia in Tape	: 45 MM WITH TAPE
Dimension	: 2300 MM x 1625 MM x 525 MM
Gross Weight	: 350 KGS
Input Supply	: SINGLE PHASE, 240 VOLTS



Gear Box Cooling System

Gear Box Cooling System

The Gear Box Oil which reaches above 70°C due to continuous running of the plant has to be brought down to a minimum to safeguard the gear as well as gear oil.

In a Cooling System that we offer, the oil in the gear box with high temperature is taken out to heat exchanger tank having lines of water circulation pipe from a chilling plant. The motor-pump combination attached on the oil circulating system pushes the oil via heat exchanger to gear box. The process ensures the gear oil to maintain a temperature between 45°C 55°C which is safe for the gear system.

Accessories:

1. Pacifluid Brand Rotary Gear Pump
2. 1 HP Motor, Make : "Crompton"
3. Heat Exchanger with sufficient layers of pipes to circulate chilled water within the heat exchanger
4. Pipes with necessary fittings for Oil & Water to & fro connecting heat exchanger



Infra - Red Lamp

QUICK DRYING OF PRINTS ON BAGS TO AVOID HIGH REJECTION

Sar is always in the fore front to innovate solutions to many a problem that HDPE/PP Bags manufacturers / printers face. A major problem the printers have to overcome was high drying time for ink printed on bags. Un-dried bags when bundled would spoil the backside of the bags with inks impressions which cause of high ratio of rejection by the ultimate customer. With abundant order in hand and slow drying process they find difficulty in meeting their production target. We then came with an idea of installing Infra-Red Lamp of 1000W, 240Volts capacity to bring down the drying time from minutes to seconds. These Lamps fitted at the delivery end of the printer provide spot heat up to 350°C and when it focuses on the moving bags they get dried swiftly. We have offered this to our valued customers who have appreciated our suggestion, which helped to improve their production as the drying time has been brought under control with just one unit of electricity an hour or so.



Online Gusseting Unit

Online Gusseting Unit & Twist Gusseting Unit

Structure : Robust structure made of M S "C" channel, Pipe and Plates

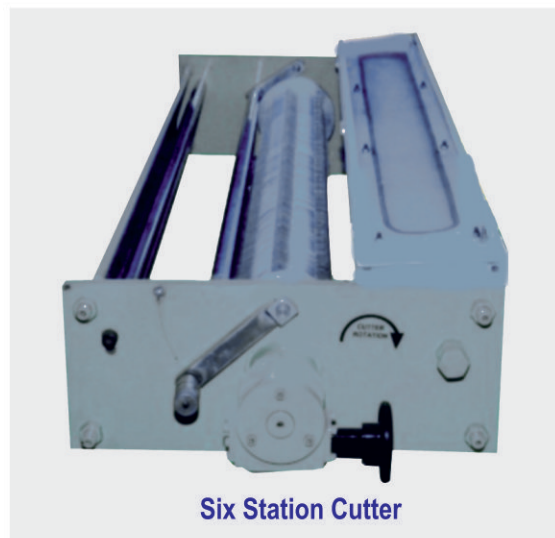
Un-Winder Unit : Moving trolley on linear bearing machanical break digital web guide with actuator +/- 100 mm Safety chuck for smooth roll loading and holding

Tension control: Load cell with Pneumatic control break for tension controlling

Gusset Unit : S.S Plate with hard cromed wheels & flap, nicrome plating accessories.

Re-winder unit : Two roll rewind system roll with rubber emery, geared motor/chain drive for speed control with proper speed and tension.

Control Panel : Tension control unit, web guide system, control for nip open and close, speed indicator as well as length control. Ac drive and other display for rewinding unit.



Six Station Cutter

Six Station Cutter

- » Advantage [Single Station to Six Satiation Cutter:
- » Absolutely eliminated ideal time
- » Maximum utilization of Tape Plant
- » Easy to Operate
- » In Six Station Cutter, Blades will be changed after 6 days.
- » Payback: payback period is only 2-3 months.

Six Station Cutter Consisting:

- » Powder coated cutter assembly
- » Cutter frame with cover & one roller
- » One set of shaft
- » Spacer duly assembled with super max blade
- » Cutter Stand
- » Optional: One set of shaft and spacers w/o blades and assembly



Hydraulic
Cheese Pipe Straighter

Hydraulic Cheese Pipe Straighter

This innovative product will certainly give you relief from a terrific problem of bend and Disturbed cheese pipes. it corrects the inner dia. of your disturbed cheese pipe and you Can re-use it.

No. of cylinders 1no. main cylinder

Working pressure 50 Kg / Cm²

Stroke 300 Mm

Approx time For 300 mm travel 18 Sec.

Electric motor 0.75 K.w. /1 Hp

Oil reserv oil 30 liters

Operation by lever operated valve (polyhydron)

Pump : Dowty / Supremo

Cylinder Seals : Tecnoilan (italy) / Markel (germany)



MIXER WITH DRYER

We are very pleased to introduce yet another innovation to woven sacks industry. It will certainly minimize your problems in mixing of raw materials perfectly. The salient features of our mixing machine are:

- 1.Reduction of man power working
- 2.Reduction of mixing time
- 3.Reduction of mishandling
- 4.Improves quality of end product
- 5.Contains 2 hot air blower of 0.5HP with 4.5 KW heater with PID installed Electric Panel.

Machine Size (L X B X H) in MM	Mixing Capacity Kg / 15 min
1000 X 1000 X 1000	150



Bag Cutting and Sewing Machine (BCS)

1. Heavy Duty Lazar cutting fabricated MS structure with fully automatic user friendly control system with 15HP connecting load with electric panel.
2. Machines consists of web guide, unwinding unit, cutting unit, feeding unit an efficient clipper system and a sewing machine with single and double folder.
3. Working width of machine is between 8" to 36" inch.
4. Working length of machine is between 12" to 53" inch.
5. Cutting length accuracy of machine is ± 1 mm.
6. Production capacity 20-35 bags per min depending on the sewing machine.



OUR PRODUCT LIST :

- Hydraulic Bale Press For FIBC / Jumbo Bags
- Hydraulic Bale Press 10 to 150 Ton
- Hydraulic Cheese Pipe Straighter
- Hydraulic Bale Press For Waste / Scrap / Pet Bottel
- Bobbin Cleaning Machine
- Manual Printing Machine (up to 4 Colours)
- Gear Box Cooling System For Tape Plant (Extruder Gear Box)
- Woven Fabric Reforming / Fabric Inspection Machine
- Micro Perforation Unit For Online Printing Machine
- Surface Rewinder For Printing Machine & Lamination Plant
- Online Gusseting Unit & Twist Gusseting Unit
- Mixing Machine For Raw Material (Granules)
- Hot Air Dryer For Raw Material (Granules)
- Trim / Recycling Cutter Unit
- Unwinding Unit & Rewinding Unit with Web Guiding System
- Power Saving Blowers & All Accessories for Raffia Industries
- Mixer with Dryer
- Bag Cutting and Sewing Machine (BCS)
- Online Fabric Cutting Machine



SAR MACHINES PVT. LTD.

135, Pushpak Industrial Estate, Nika Tube Compound,
Phase - 1, G.I.D.C., Vatva, Ahmedabad - 382445
(Gujarat) India Phone : + 91 72010 00662
Mob. : + 91 93761 86526, + 91 93761 86513
✉ : sarmachinespvtltd@gmail.com

SAR INDUSTRIES

Plot No : 4/5/6/7, Tirth Bhoomi Industrial Park-2,
Bakrol-Gatrad Road, Opp. Bricks Factory, Village-Bakrol
(Bujrang), Taluka Daskroi, Dist. Ahmedabad - 382430
(Gujarat) India Phone : + 91 72010 00662
Mob. : + 91 9376186526, + 91 9376186513
✉ : sarindustries2011@gmail.com

