

Textile

Processing Machinery



DMExports

Mfg. Textile Processing Machinery

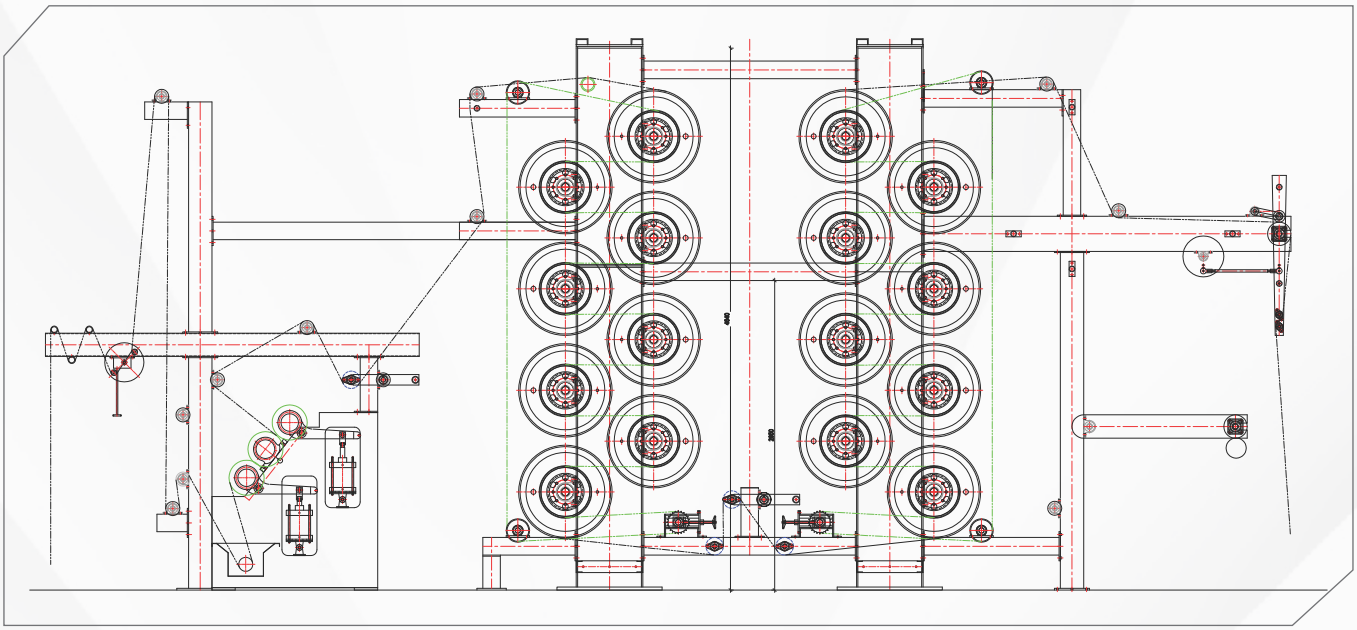
Vertical & Horizontal Cylindrical Drying Range Machine





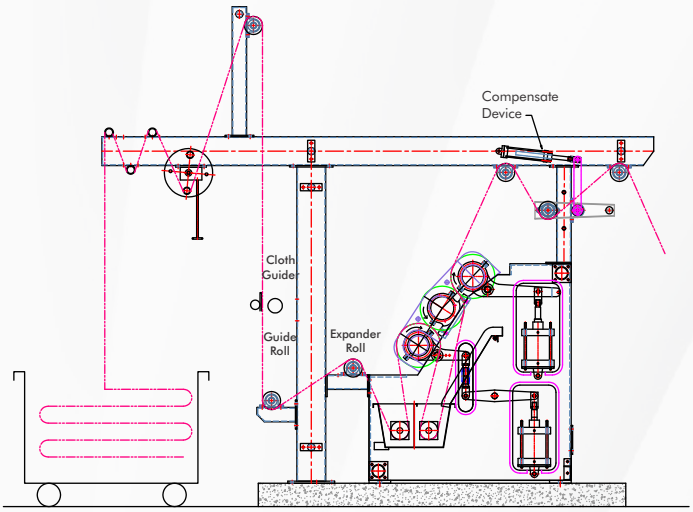
Specifications

- Creaseless Drying of Fabric along with Width
- Efficient Steam Consumption
- Individual Trapping System for faster condensate removal from cylinders.
- Machine Operating form Individual / Alternative / Belt Drive or Chain Drive system.
- Choice of Two Bowl or Three mangles to be attached with Drying range machine.
- Moisture Control System (Optional)
- Steam Exhaust System with Blower system (Optional)
- Machine can be supplied with 6, 8,10,12,16, 20 or 24 cylinder in single, double or Three stack.
- Ptfe or Fep Teflon coating up to 70 micron (Optional)
- Lowest radial run out (Welding process approved by TUV Rheinland)
- CE TUV Rheinland approved Drying cylinder quality and Certified cylinder (Optional)
- Working width from 1000 mm to 4000 mm
- SS Cylinder long seam weld by Long seam Auto robotic machine up to 4000 mm.



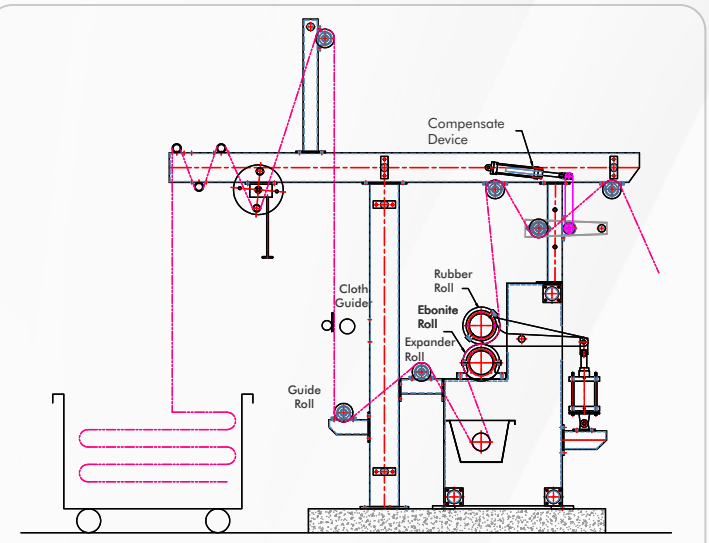
2 Bowl and 3 Bowl Padding Mangle with Feeding Device





FEEDING DEVICE THREE BOWL PADDING MANGLE



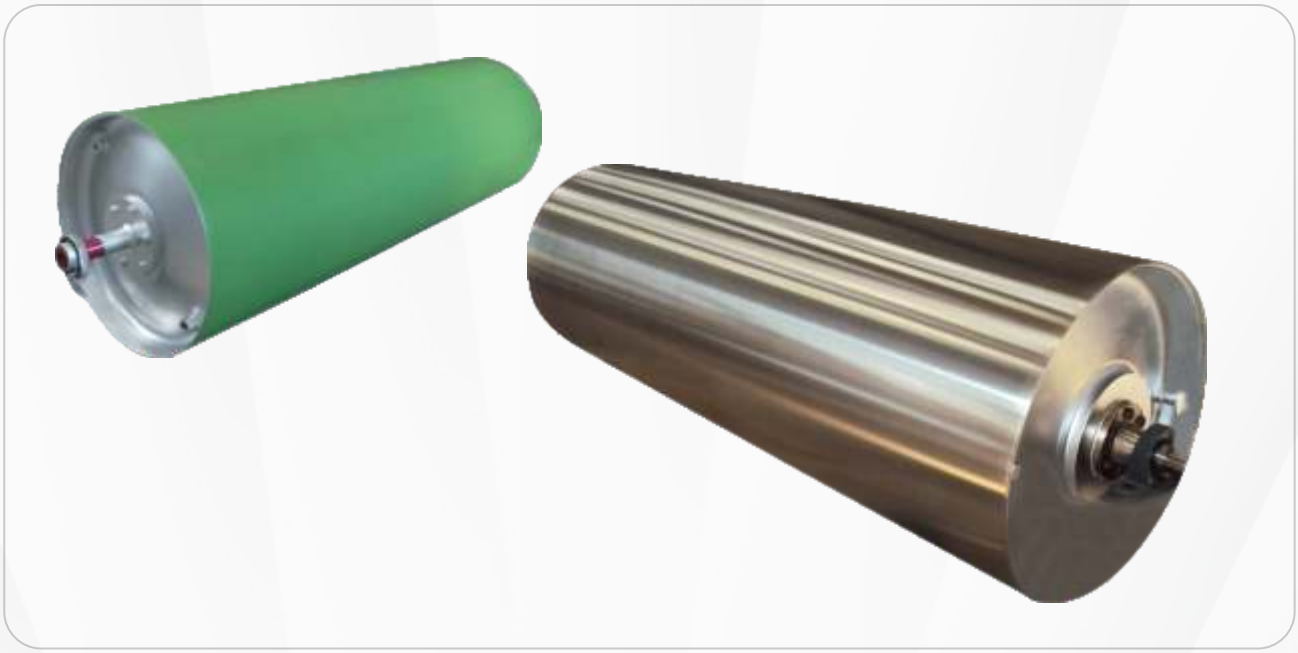


FEEDING DEVICE TWO BOWL PADDING MANGLE

Specifications

- The central bowl its often made of Ebonite, stainless steel or Synthetic rubber, While the top and bottom bowls typically use synthetic rubber or Specialized coatings with pneumatic or Mechanical loading for even pressure.
- The fabric passes through a stainless steel trough (dip) containing the chemical or dye solution.
- The wet fabric then moves through the pressure points (nips) formed by three rotating bowls (rollers) to control moisture and chemical percentage (Typically 60% to 100% pickup)
- Rollers Dia 220 , 250 , 300 , 356, 400
- Working length 500 mm to 4000 mm

Drying/Sizing Cylinder



Specially developed manufacturing process and more than 25 years of experience in the production of the walled cylinder ensure products of highest quality.

The cylinders are characterised by particularly low radial run out and perfect welding by TUV Rhineland India qualified welder.

These cylinders are used in sizing, non-woven ranges and drying range machine as well as textile process and technical fabric finishing machines.

Diameter	400mm to 1000mm
Working Width	800mm to 3600mm
Hydraulic Pressure	3Bar to 12Bar
Working Pressure	1Bar to 7Bar
Shell Thickness	2mm to 5mm
Surface Finish	SS 304/316 Polished / Teflon Coated

Jacketed type Cooling/Heating Cylinder



Outer



Inner

Cooling cylinder defined re cooling the web after thermal processing is of special significance. If the web temperature is too high in relation to the next stage of processing. our scope of production basically includes two types of cooling cylinder with Water spraying cylinders. Similarly oil heating spiral circulation cylinders are offered for textile industries.

Diameter	400mm to 1000mm
Length	800mm to 3600mm
Hydraulic Pressure	3bar to 5bar
Inner Shell Thickness	4mm to 12mm S.S. / M.S.
Outer Shell Thickness	2mm to 5mm S.S.
Surface Finish	SS 304/316 Polished/Teflon/Rubber Coating

Pre Heating Drying Cylinder for Stenter Unit



Thermic Oil Cylinder Unit

Diameter	600mm to 1000mm
Length	800mm to 3600mm
Temperature	upto 180^0 C
Inner Shell Thickness	4mm to 12mm S.S. / M.S.
Outer Shell Thickness	2mm to 5mm S.S.
Surface Finish	SS 304/316 Polished/Teflon/Rubber Coating



Steam Cylinder Unit

Diameter	560mm to 800mm
Working Width	800mm to 3600mm
Hydraulic Pressure	3Bar to 12Bar
Working Pressure	1Bar to 7Bar
Shell Thickness	2mm to 5mm
Surface Finish	SS 304/316 Polished / Teflon Coated

SS Different type of Vessels



Size Cooker

Size Cooker is compatible to any grade or size and ensure low viscosity even with starch sizes. It is designed to ensure easy operation and low maintenance.

The stainless steel 304/316 pressure vessel has glass wool insulation and is jacketed outside to prevent heat loss.

The Stainless Steel Multilayer Blade Stirrer is positively driven by high pipe. Size Material loading through manhole on the top that has hinged door and eyebolts. An indirect heating facilitate the cooker to be used as a storage vessel if required.

Capacity	1000 to 5000 Litres
Type	Open / Pressurized
Heating	Direct / Indirect

Storage Vessel

Stainless steel 304/316 storage Tank is provided with insulation from outside to prevent heat loss. SS stirrer work at a low speed and is driven by high torque AC Geared motor on top of the vessel.

Capacity	1000 to 5000 Litres
Heating	Direct / Indirect





Premixing Vessel

SS 304/316 mixing vessel is mainly used for homogenous mixture of size chemicals at ambient temperature. This stainless steel open vessel is provided with high speed propeller stirrer which can be either clamped on to the rim of the kettle with swiveling arrangement or mounted vertically on the top of vessel. The position of propeller stirrer can be fixed high or low position to achieve best stirring results.

Capacity	1000 to 5000 Litres
Heating	Direct / Indirect

Stainless Steel Mixing Tank (Sterilization Tank)





- Heavy Thickener paste preparation unit with Dual stirrer (Hydraulic up & Down with Automatic mixing & Washing (Rotary Printing Machine).

- Typically built from high graded Stainless steel SS 304/SS 316.
- Heating-Cooling system Jackated / Non jacketed Tank.
- Equipped with motorized top entry or magnetic stirerre , anchors , paddles or high shear homogenizers.
- RPM: upto 300

- Tank capacity: 50 ltr to 5000 ltr
- utomation Modules

Open Fabric Washing Tank



Rope Foam Winch type Washing Tank



Tank made of AISI 316/304 quality stainless steel.

Tank in close & open version

washing compartment equipped with its own recirculation pump, filter device, overflow, drain and heating arrangement with toughened glass for easy operate. Very high washing performance on the upper and back side of fabric for its whole width. Efficient removal of unfixed dyestuff, gum and other chemicals from fabrics Washing machines are used for the different fabrics, printed with dispersed yes, vat dyes and reactive dyes. For circulation and counter flow arrangement to save water. Washing machine with tanks can carry out impregnation, pre-washing, rinsing and chemical treatment.

Washing Tanks available from 1000mm to 3600mm working width.

- Open width washing range ss tank.
- Open width cum rope washing range SS Tank.
- Steamer Unit.



Fabric Dyeing Jigger Machine





Specifications

- The purpose of this machine fabric dyeing, bleaching.
- Open type jigger machine with manual & automatic.
- Machine made from SS type wall & casing body wall type.
- Semi or fully PLC
- Machine available from 1000 mm to 4000 mm length.
- Machine capacity - 150 kg to 1000 kg.
- Water recirculation system and temperature controllers (optional)
- Main batch roll ss cladded or ebonite coated (as per requirement)

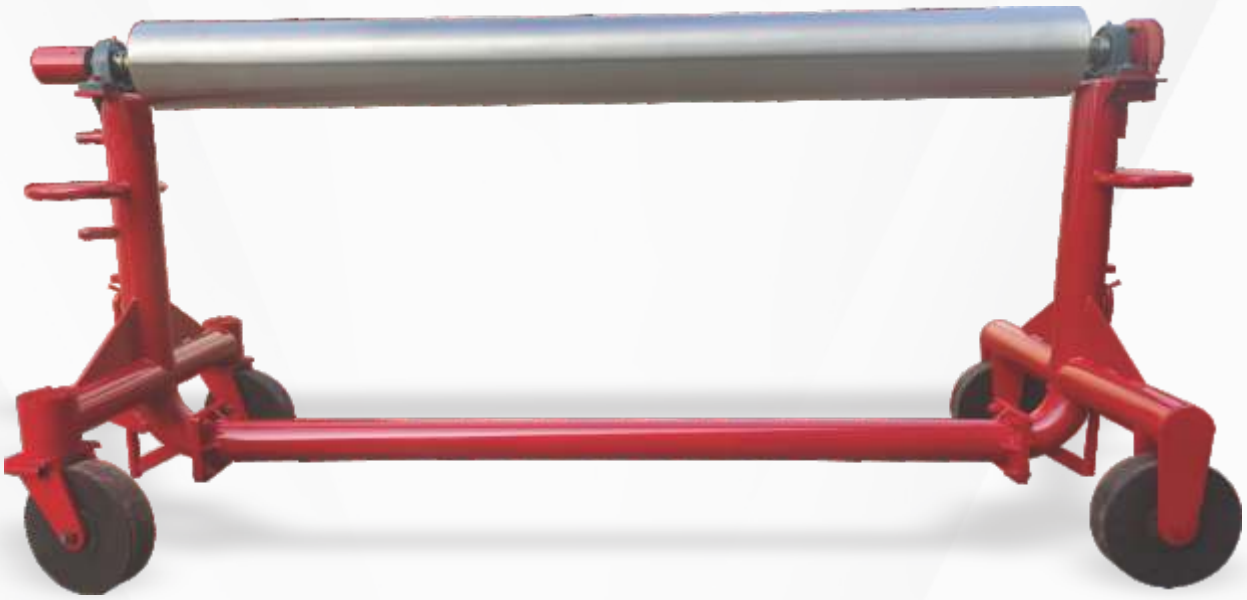
A Frame Batch Trolley





Hydraulic Puller

Pipe Batch Trolley



Specifications

- Fabric width 1000 mm to 6000 mm
- Structure made from ms channel or ms seamless pipe
- 169 or 219 dia s 304 cladded roll
- Cast iron pulley with break liner (optional)
- Centre drive device lock



J Scray Unit



SS Guide Roller



SS Cladding Roller



SS Scroll Roller



M S Nip Roller



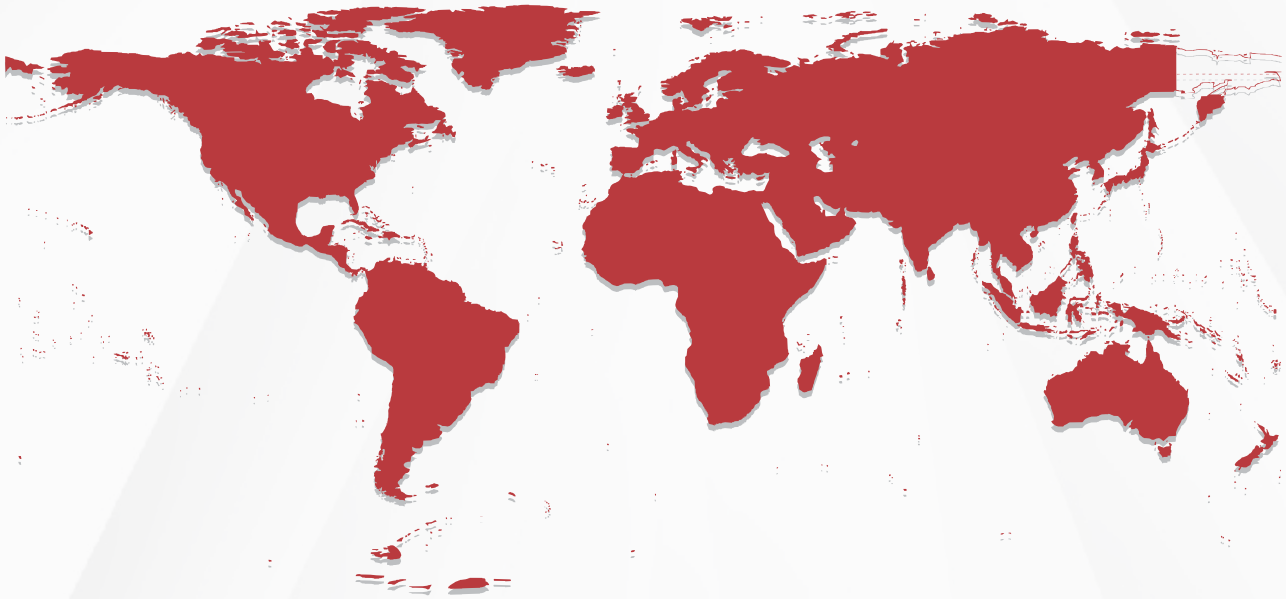
SS Perforation Roller



SS Flute Roller



Rubber Expander Roller





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