



**D.M. Panchal & Sons**



**Manufacturer of Textile  
Processing Machinery & Parts**

Establish in the year 2017, We, D.M. Panchal & Sons are one of leading manufacturer and supplier of a Wide collection of SS Steam cylinder , Washing range Tanks ,Cooling cylinder , perforated Washer drum S.S. tanks & all types of Vessels ( Pre mixing , Storage & cooker ) and also other all textile machinery Rolls. D.m.panchal and sons is one of the fast growing who supplying stainless steel Fabricator and mainly OEM supplier of textile machinery manufacturers.

D.M.panchal & Sons based in Bakrol, Ahmadabad, The Company has been as the forefront of offering a wide range of value for money products.

We consider customers satisfaction of paramount importance. The company strives hard to offer superior quality products of international standards qualified by TUV Rhineland India.

### Mission

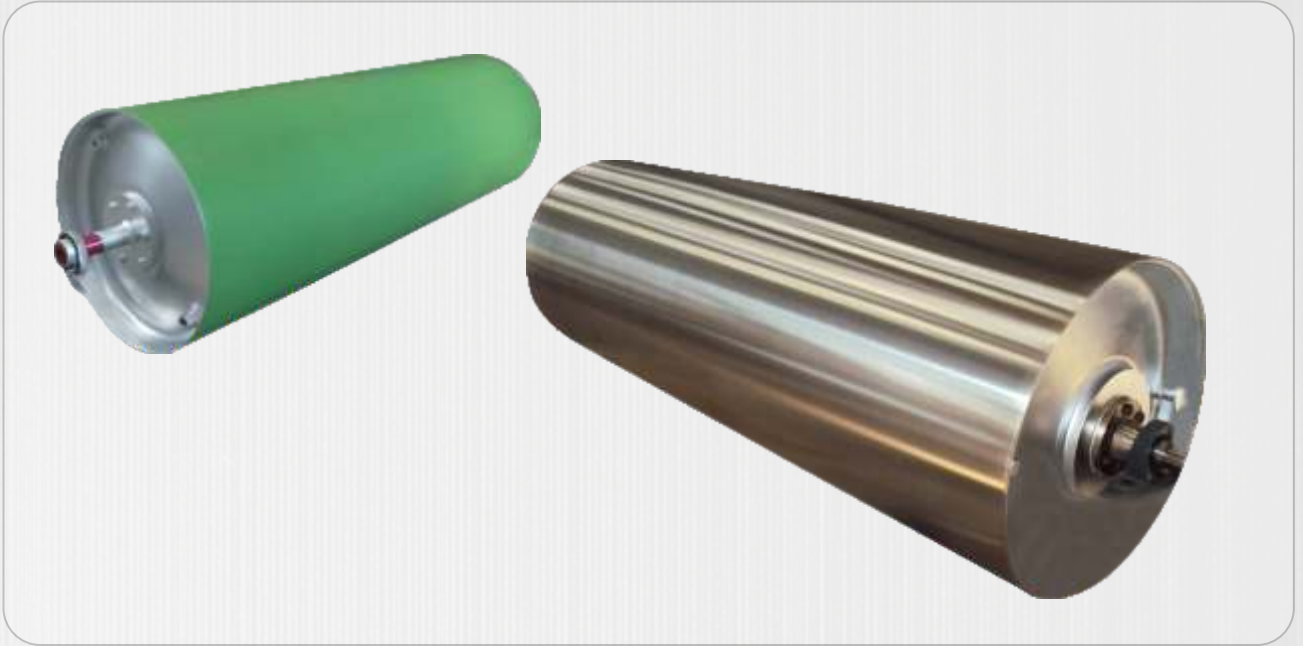
D.M. Panchals & Sons work is committed to superior level of satisfaction for their valued supplier in obtaining continue order by providing valuable quality products, give positively and friendly communication with clients and provide timely delivery.

We never compromise with quality and goods.

## PRODUCT RANGE

- All types of MS & SS Fabrication Work
- Open Fabric Washing Tanks
- Rope Foam Winch Type Washing Tanks
- Perforated and Drum Roller
- Steamer Unit
- S.S. Different Types of Vessel ( Cooker, Storage and Premixing Type)
- SS Drying Cylinder / Sizing Cylinder
- Jacketed Type Oil & Cooling Cylinder
- Two & Three Bowl Padding Mangle
- Open Fabric to Batching Device
- All types of Guide Roll/ Cladding Roll / SS Scroll roll

# 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



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



# Open Fabric Washing Tank



Tank made of AISI 316/304 quality stainless steel.

Tank in close & open version

washing compartment equipped with its own reticulation pump, filtering device, overflow, drain and heating arrangement with thiophen 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
- Merceriser SS tank
- Steamer Unit

## Rope Foam Winch type Washing Tank



# 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



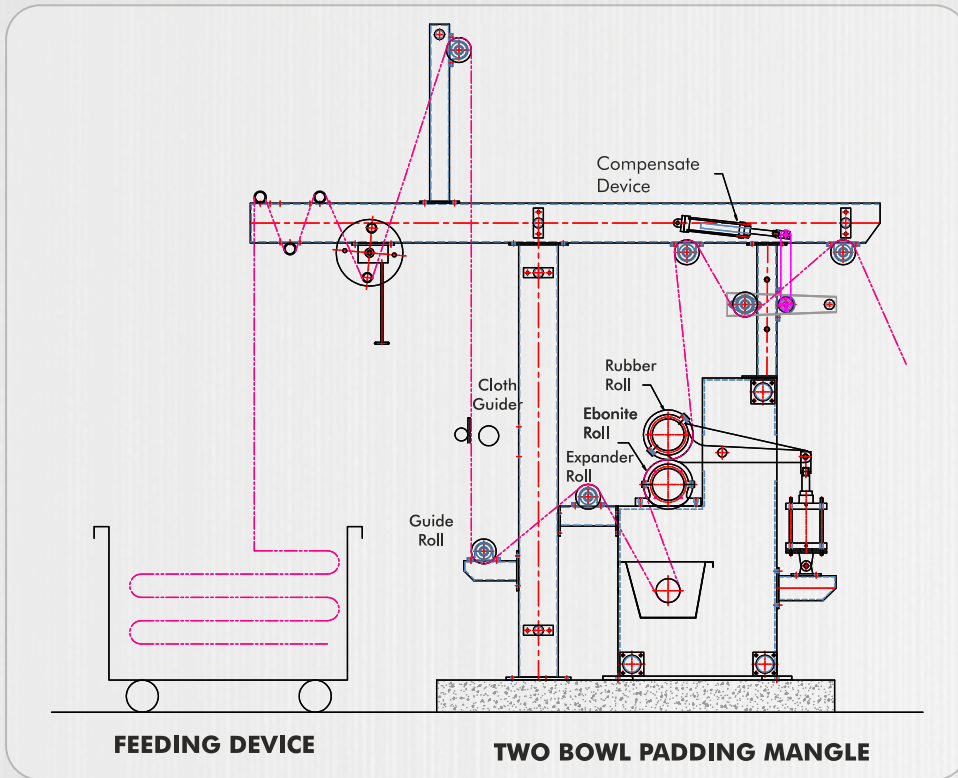
## Premixing Vessel

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.

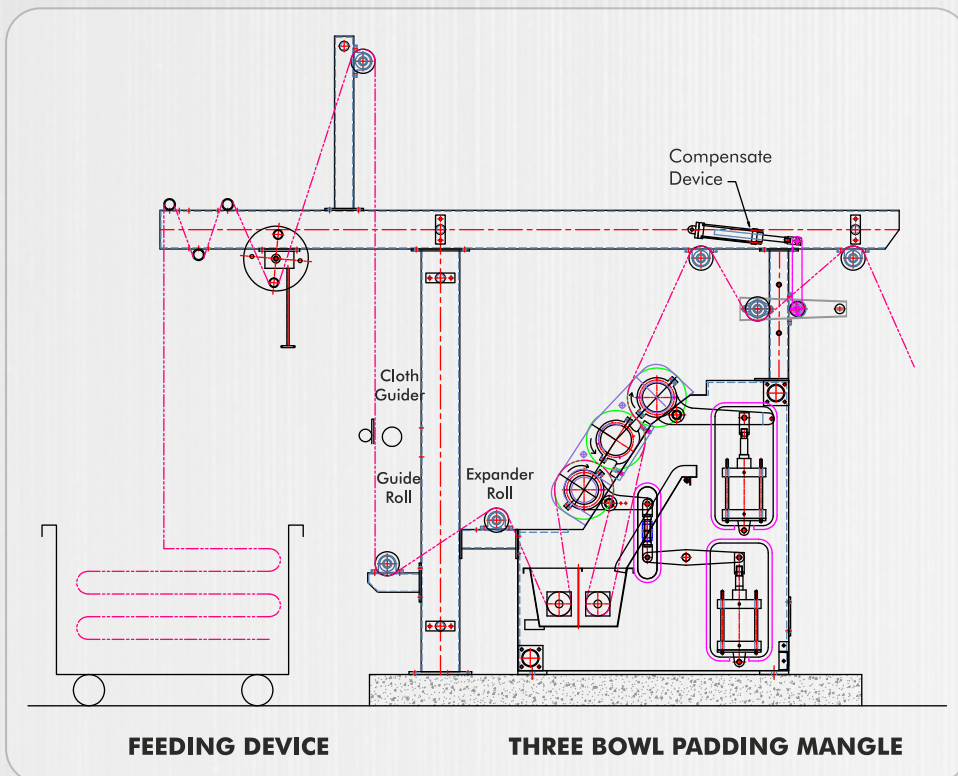
Capacity	1000 to 5000 Litres
Heating	Direct / Indirect



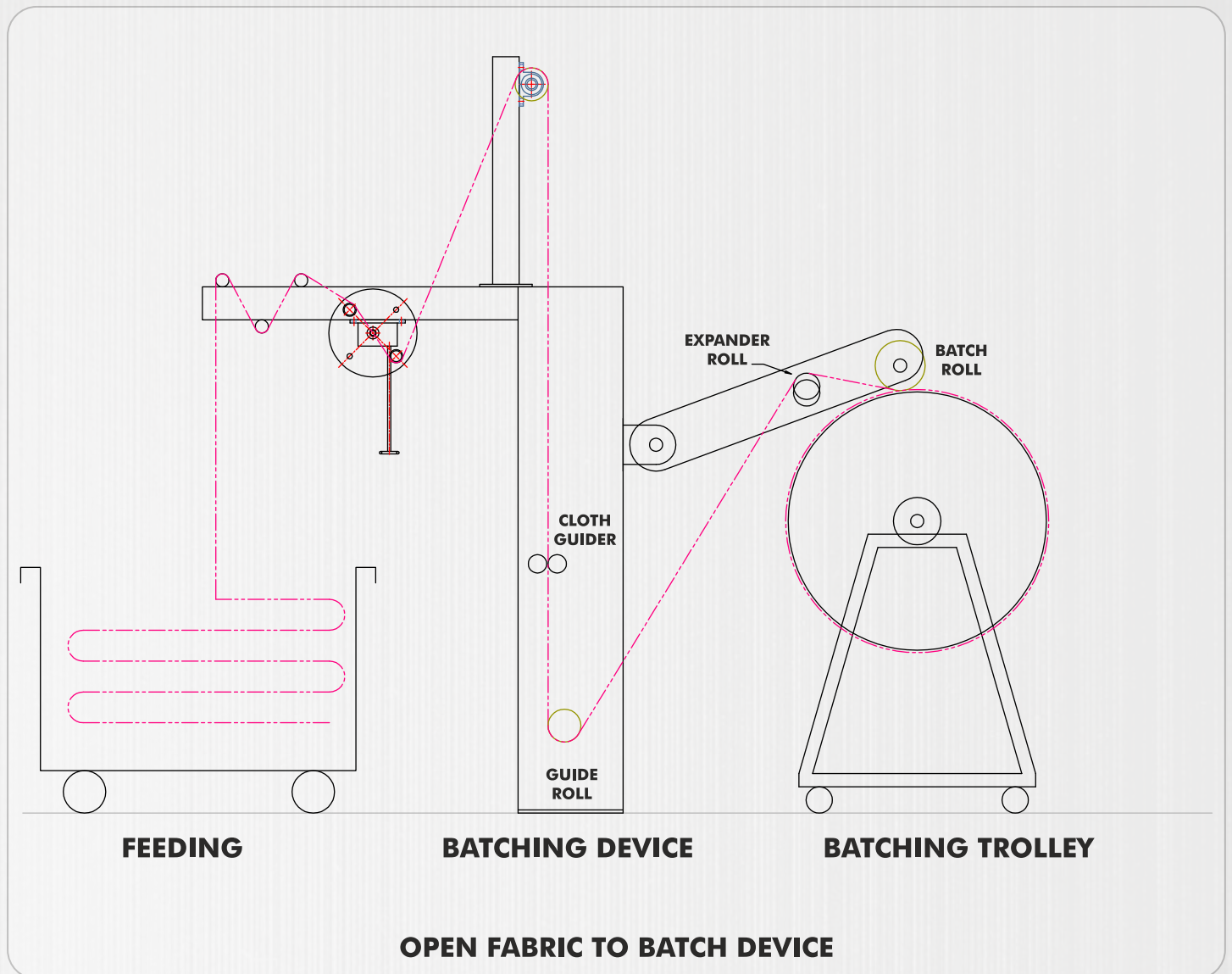
## 2 & 3 Bowl Padding Mangle



The frame of mangle is fabricated from heavy duty mild steel. All fabricated parts of mangle are shot blasted, primed and sprayed with two component paint in the desired colors. Squeezing rolls are made of heavy duty mild steel pipe and covered with the best available rubber quality with hardness ranging from 75° shores for intermediate up to 85° shores for high extraction. This rubber is highly resistant to all chemicals commonly used in the process, suitable pneumatic cylinder to give proper pressure throughout the width of the roller. Stainless steel trough with S.S. guide roll, rubber expander a compensator, fabric passes through the high entry for one dip one nip.



# Open Fabric to Batch Device



## Technical detail for Batching device

- Fabric Width adjustment manually operated by handle
- Gearbox with Motor attachment system
- No shrinkage (or) Expansion on fabric
- Gear box and motor as per specification
- Variable Speed Imported Drive
- Pneumatic Cylinder Setup



## D.M. Panchal & Sons

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