



Inspirational
QUALITY

 **DHARA**
TEXROLLS

 www.dharaengineeringworks.com



About us

Dhara Engineering Works is one of the leading Stainless Steel Fabricator and mainly an OEM supplier to global textile machinery manufacturers. With more than 35 Years of industry presence, the company is now a reputed player in this field. Based in Ahmedabad, the company has been at the fore front of offering a wide range of value-for money products. The stringent quality control measures employed by the company ensure quality products that adhere to specifications. The modern process technology and professional expertise enable the company to cater to the precise demand of its customers. Further, the strategic location of Dhara Engineering Works in Ahmedabad makes it easily approachable through all modes of transportation. Moreover, this also facilitates timely delivery and prompt post-sales service to its customers. A team of experts along with sophisticated infrastructure equipped with all necessary amenities help in boosting the production capacity of the company.

Dhara Engineering Works considers customer satisfaction of paramount importance. The company strives hard to offer superior quality products of international standards by exploiting all its technological and instrumental expertise. Established in the year 1991, the company now features high on the priority list of its customers.

Founder and Promoter

Mr. Karsandasbhai Panchal, the Founder of Dhara Engineering Works has 30 years of experience in textile engineering industry. The success and position of Dhara Engineering Works is due to his continuous efforts and vast experience.

Mr. Shailesh Panchal the Co-promoter of Dhara Engineering Works, has 25 years of experience in Administration and Human Resources Management and is a solid bridge between Production and Marketing handled by Mr. Jay Panchal.

Vision

Stainless Steel Fabrication for various Textile Machinery for such valued clients who want better than best quality.

Mission

Dhara Engineering Works is committed to superior level of satisfaction for their valued clients in obtaining repeat orders by providing reliable quality products, user friendly communication and prompt delivery.

Products

- › Drying Cylinders/Cans
- › Jacketed Cooling/Heating Cylinders
- › Storage Vessels
- › Premixing Vessels
- › Cooking Vessels
- › Vertical/Horizontal Drying Range
- › Guide Rollers



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Cylinder Drying Range Machine

Cylinder Dryers are an efficient & cheapest system for fabric drying with energy saving due to its direct contact drying.

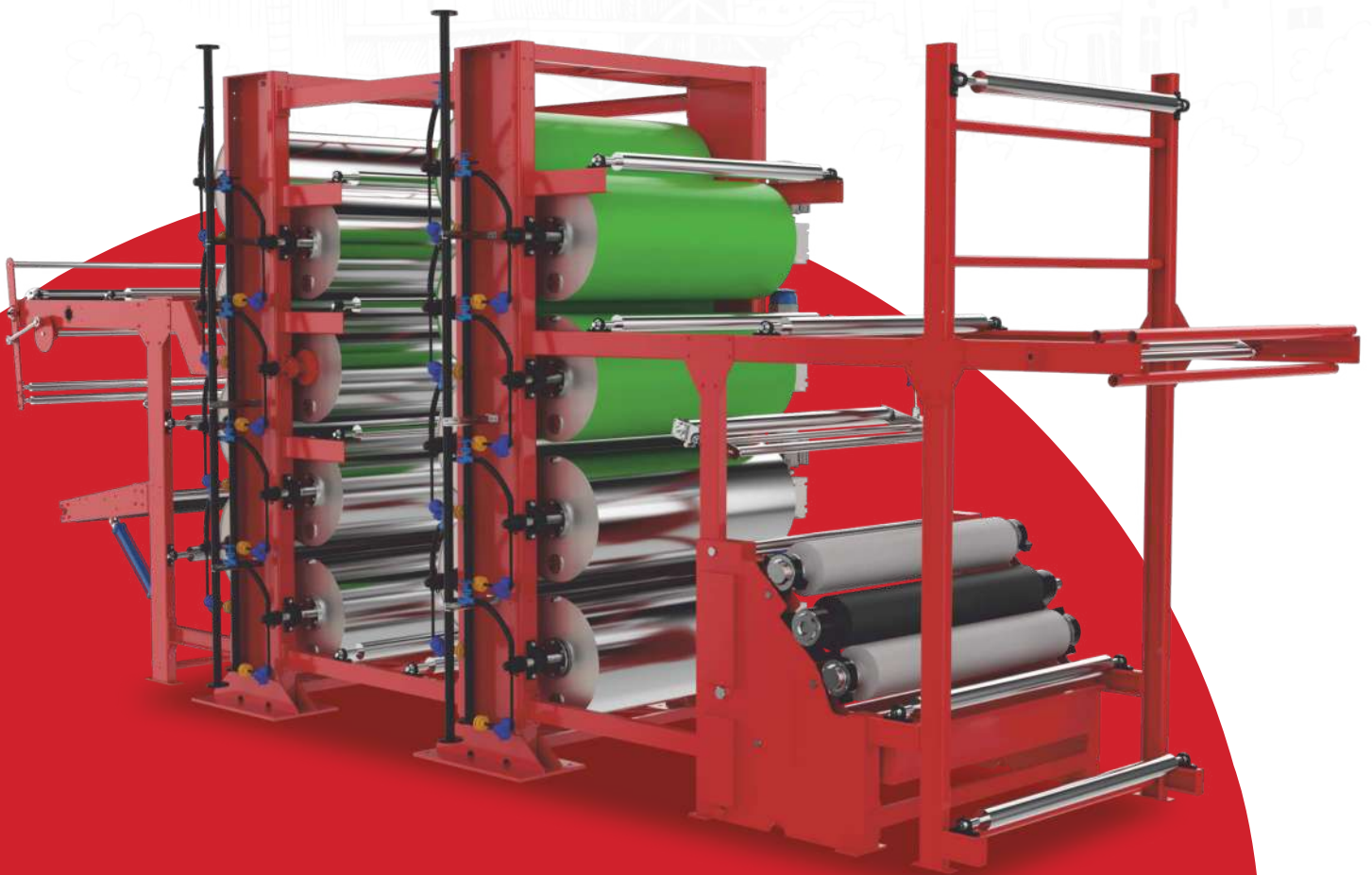
Cylinder dryers are used in continuous operation with wet processing finishing lines or as separate drying machine as well.

Technical Details

- › Cylinder Width : 1200 mm to 4000 mm
- › CylinderDia : 570 mm, 760 mm, 800 mm
- › Operating Pressure : Up to 6 Bar./higher on request
- › Design Temp. : 165°C
- › Cooling Cylinder : Single shell type or double Shell Jacketed & Spiral Flow Type Cooling Cylinder
- › Speed : 10 To 150 Mtrs/min
- › Stacks : Fabricated from MS/SS Plates
- › In Stack No. of Cylinder : 4 / 6 / 8 / 10 / 12

Optionals

- › Teflon coating on Drying Cylinder.
- › Temp. Controller Per Stack or Per Group of Cylinder.
- › In Synchronisation with Finishing Machine or Individual.
- › Cooling Cylinder Located In Last Stack or on Separate Frame.
- › Exhaust Hood with Axial Fan.
- › Chain/Flat Belt Drive, Individual or Alternate Gear Box Motor Drive.
- › Feeding In Scaffold or Batching/Plating Device.
- › 2 Bowl/3 Bowl Padding Mangle.



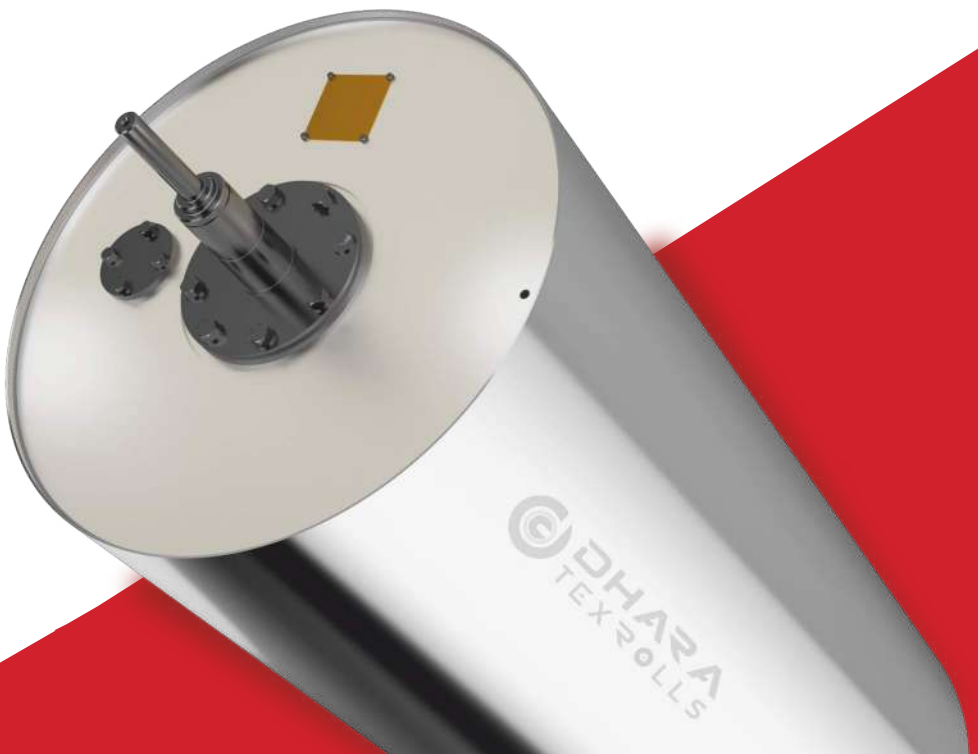
Drying Cylinder/ Can

Specially developed manufacturing process and more than 35 years of experience in the production of the walled cylinders ensure products of highest quality. The cylinders are characterized by particularly low radial run-out and perfect welding workmanship.

The thin-walled steam cylinders are designed and constructed as pressure vessels, in-line with customer's requirement and specifications. These cylinders are used in sizing, non-woven ranges as well as in textile and technical fabric finishing machines.



- ▶ Annual Production Capacity - 2000
- ▶ Diameter - 400 mm to 800 mm
- ▶ Working Width - 1000 mm to 4000 mm
- ▶ Hydraulic Test Pressure - 3 Bar to 12 Bar
- ▶ Working Pressure - 1 Bar to 6 Bar
- ▶ Shell Thickness - 2mm to 4mm
- ▶ Surface Finish - SS 304/SS316 Polished / Teflon coated



Jacketed Cooling/ Heating Cylinder

The defined re-cooling of the web after thermal processing is of special significance. If the web temperature is too high in relation to the next stage of processing e.g. cold pad batch dyeing or in chemical web impregnation, it would make the dye/chemical bath temperature increase within a short time, causing a considerable product quality loss. At Dhara, our scope of production basically includes two types of cooling cylinders with water spraying system without controlled water circulation or with guide spiral double shell cooling cylinders. The even cooling and the temperature tolerance of less than $\pm 2^{\circ}\text{C}$ across the whole width is guaranteed through the precise execution of the water guidance system.

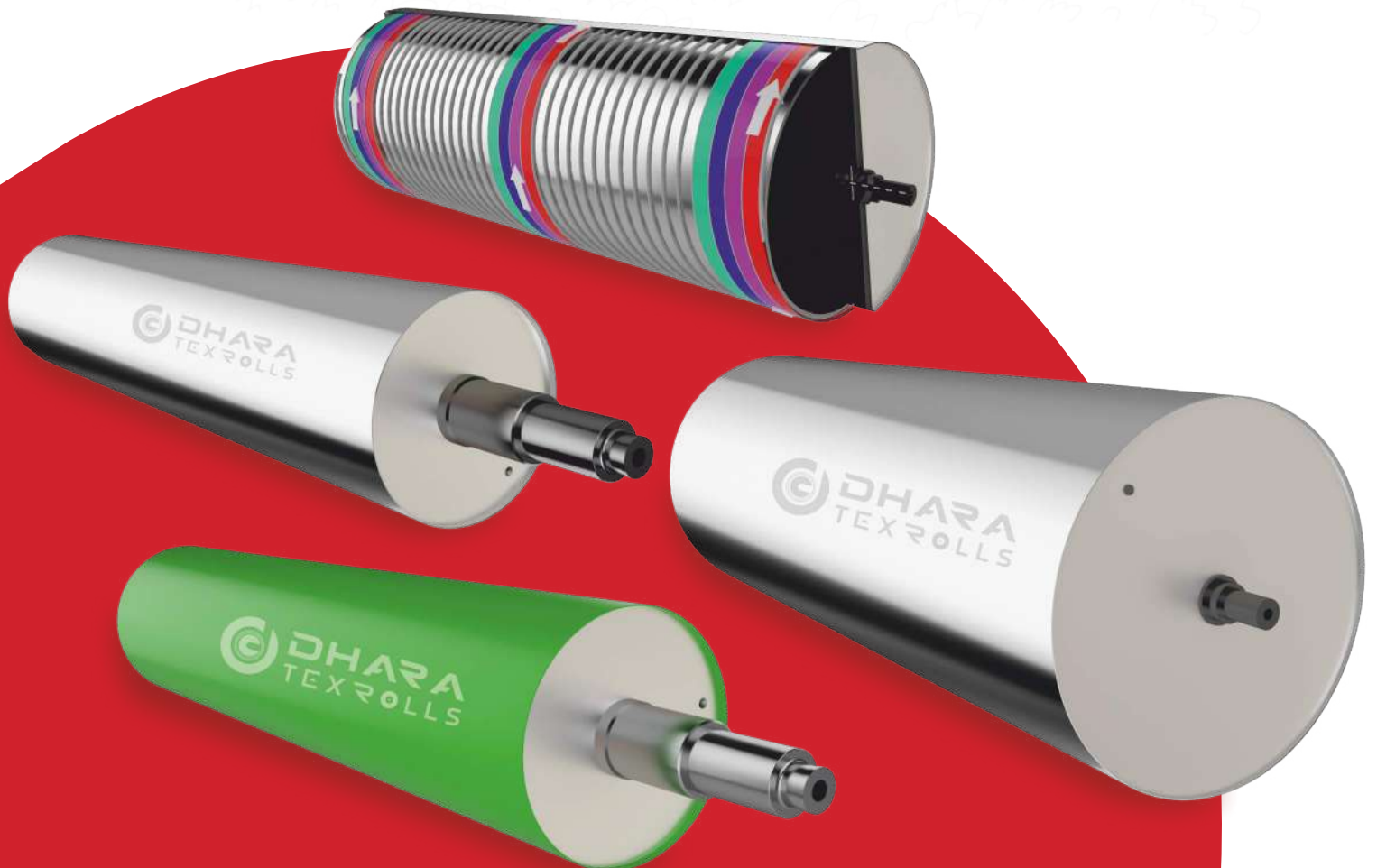


Single Jacketing Cylinder

Similarly Oil heating spiral circulation cylinders are offered for Textile & Non Textile industries.

- | | | | |
|---------------------------|----------------------|-------------------------|--------------------------|
| › Diameter | - 400 mm to 800 mm | › Inner Shell Thickness | - 5mm to 12mm (SS/MS) |
| › Working Width | - 1000 mm to 4000 mm | › Outer Shell Thickness | - 2mm to 4mm |
| › Hydraulic Test Pressure | - 3 Bar to 5 Bar | › Outer Shell | - SS304/SS316/Mild Steel |
| › Working Pressure | - 1 Bar to 3 Bar | › Surface Finish | - Polished/Teflon Coated |

Jacketed Cooling Cylinder



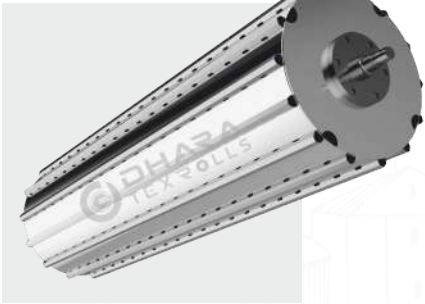
Guide Rollers

Made of Stainless Steel/Mild Steel/Aluminum
Light weight Roller for lowest possible fabric Tension
Less Torque required

- Diameter - 100 mm to 400 mm
- Working Width - 1000 mm to 3600 mm
- Type - Plain/Fluted



Fluted Roller



SS Guide Roller



Steam Roller



Fluted Roller



SS Claded Roller



SS Claded Roller

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Size Cooking Vessel

Size Cooker is compatible to any grade or size and ensures 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 torque AC geared motor. Direct Steam inlet thro perforated stainless steel pipe. Size Material loading thro 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 Liters to 5000 Liters ➤ Type - Open/Pressurized ➤ Heating - Direct/Indirect

Size 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 Liters to 5000 Liters ➤ Heating - Direct/Indirect



Size 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 a 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 Liters to 2500 Liters



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Get In **Touch**

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