LOTUS
ENTERPRISE

PLC CONTROLLED MULTI CHAMBER STENTER
(MINIMUM 4 CHAMBERS)
WITH ARRANGEMENT OF THERMIC FLUID / GAS HEATING

LOTUS
ENTERPRISE

Office : 13, Ranchhod Nagar, Opp. Adarsh Chemical, Udhna - 394 210, Surat.
Factory : Plot No. 1060,61,62, Laxmi Textile Park, G.I.D.C., Sachin, Surat - 394 230.
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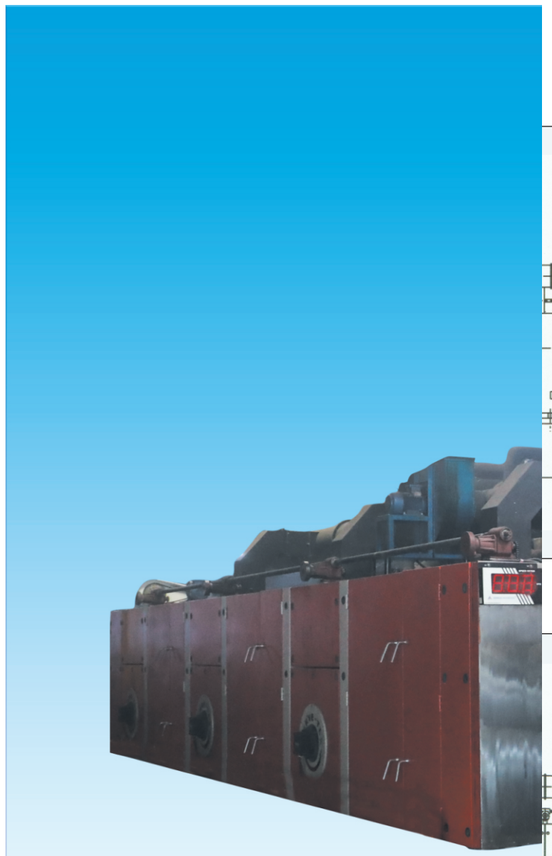
COMPANY PROFILE

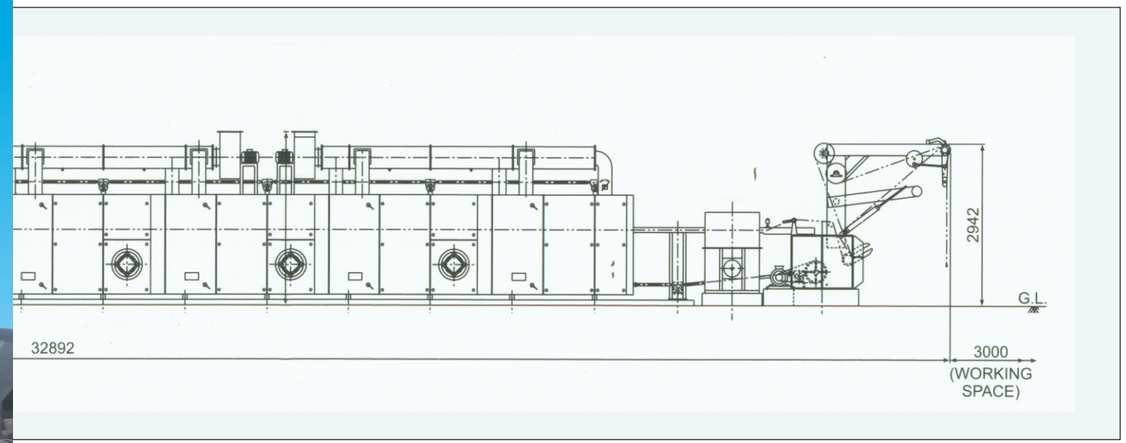
As Lotus Enterprise, we have been giving service in the Textile Processing Machinery Production Industry since 1992. The Company is located in Laxmi Textile Park, Sachin, Surat, an industrial park of Surat city with convenient transportation and developed industry and is also along Surat city which is developed as Textile Hub of India.

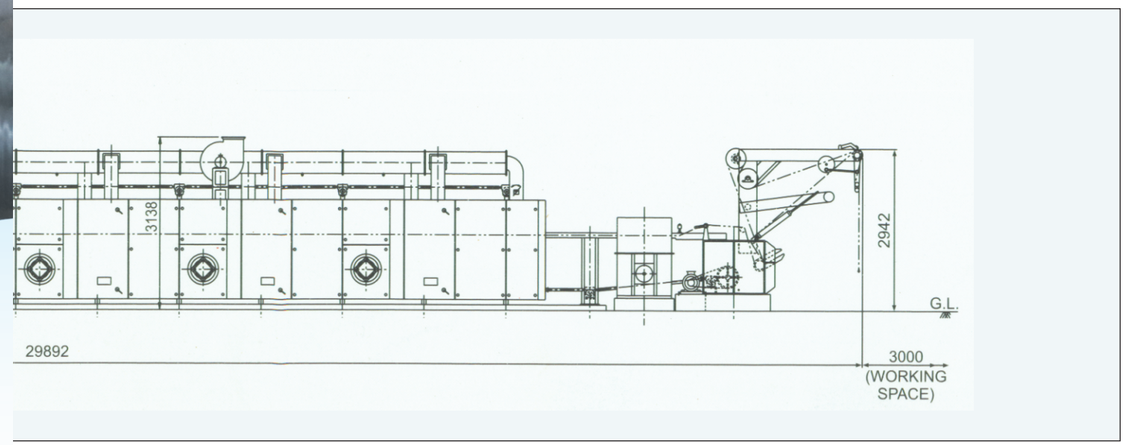
Started off on a small footing with dreams and well supported by a vision, it took a deep-rooted endeavor and a positive mind set along with years of innovation and hard work to reach a stage where we are.

The name Lotus is synonymous all over India with Quality, Reliability and Technological Innovation. It has received benchmark of ISO-9001-2015 certified company. Lotus has made its mark in Fabric Processing Industry by offering specialized and custom made solution to suffice the ever growing demands of the industry. We have specialized in Stenter with an indigenous product and component design incepted and given a shape.

Committed to excellence as always, we have a team of highly skilled technical professionals, skilled and semi-skilled workmen to bring perfection into reality customer satisfaction is our top priority and we seek the perfect satisfaction for the customer by establishing perfect and quick responding business structure covering from technological R & D to quality production to timely delivery and last but not the least, quick and efficient A/S Service.

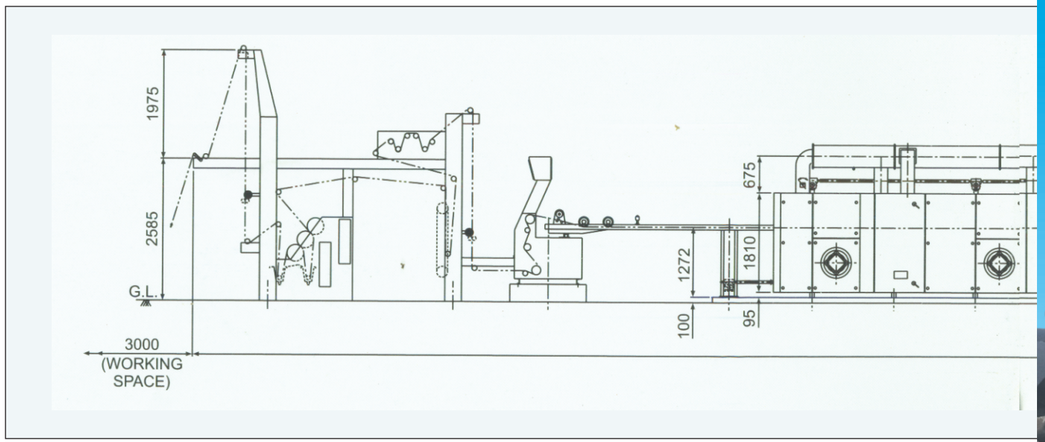




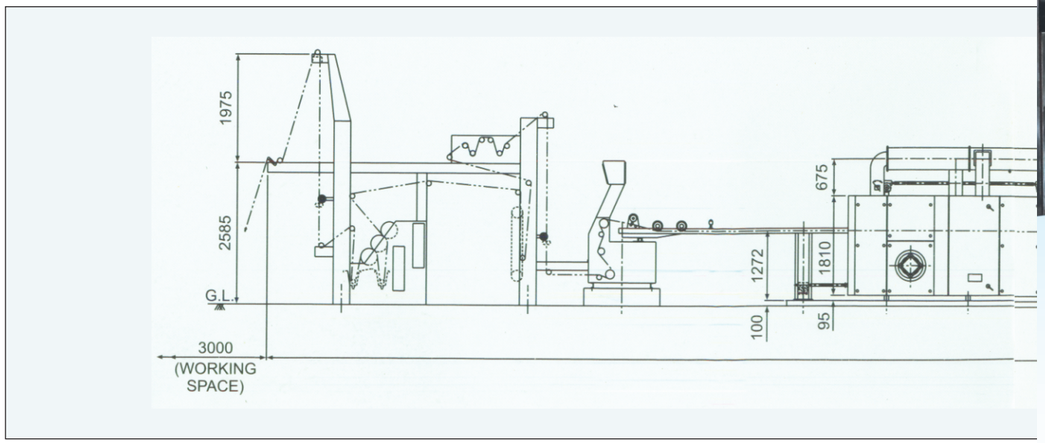


AN ISO 9001:2015 COMPANY

5 CHAMBER



4 CHAMBER



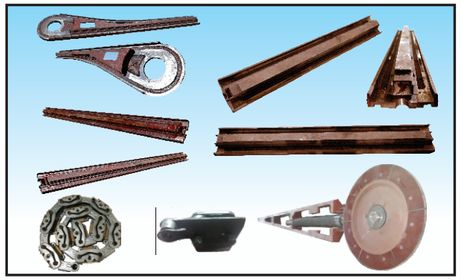
Hot Air Stenter
Batching Stenter
Relax Dryer (Shrink Dryer)
3-Bowl Padding Mangle
Float Dryer
Shaded Dyeing
Cold Pad Batch Dyeing

PRODUCT RANGE

Stenter Machine

Special Features

- Close circuit air circulation chamber.
- Wide internal space of chamber for easy cleaning.
- Zig-Zag arrangement of motors.
- Heavy Duty heat exchanger are used for more drying capacity.
- Overfeed digitally controlled (Optional)
- +/-2% deviation from left to right temperature for uniform heating in nozzle
- Highly polished cast iron rails of self lubricating material for minimum wear at high speed
- Individual exhaust duct for quick removal of gases from each chamber
- Minimum heat loss to the atmosphere
- Efficient exhaust system for humidity control
- Easy conversion from oil to gas or gas to oil heating
- Rapid heat setting and drying fabric
- Blower impeller for high velocity air circulation resulting in increase of production
- Easy online filter cleaning
- Lubricated or non-lubricated (graphite fibre) chain for easy convey of fabric with minimum wear (optinal)



Main Chain & Track Set

- Chain link made of high carbon steel with great tensile strength
- Sintered bronze liners
- Pressure dye casted Aluminium alloy pin block
- Hardened and hard chromed plated pin bar
- Highly Graded Casting Track Material

PLC Control

- Set & Actual Speed of the Machine
- Over Feed set Value
- Over Feed Actual Value
- Set Fabric Temperature
- Actual Fabric Temperature
- Dwell Time
- Set & Actual Fabric Tension at feeding & delivery
- Set Temperature of each chamber
- Exhaust Temperature & Humidity
- Display of process Heat setting or Finishing
- Velocity of the Air in each chamber
- Speed for each fan
- Current of each fan motor
- Total power consumption of the machine
- Power consumption of each unit that is controlled by the system
- Total running hours
- Faults in the system
- Production cost batch / Shift / day / month

Electric Control Panel

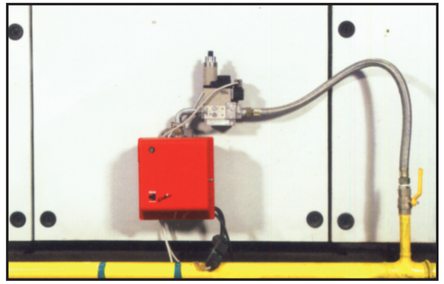
Special Features

- Steel Fabricated electrical control panel consist of necessary switch gears like switch fuse unit, contractors, relays, MCB
- We also provide separate electrical panel for faulty A.C. drive as per requirement (optional)

Chamber

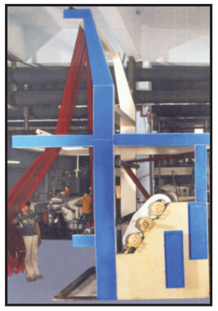
Special Features

- Insulation panels of mineral wool for less heat loss
- Chambers are designed such that minimum heat loss occurs



Plaiter Unit

- Plaiting arrangement is provided at the delivery end of the stenter for jerk free and tension free delivery of fabric
- An oscillator is provided for free fall of fabric into collecting trolley



2/3 Bowl Mangle

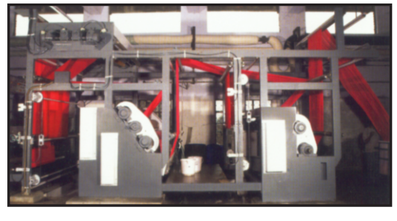
- A common structure for double mangle assembly (optional)
- Less space accommodation for weft straightener unit
- Improved stability

Burner Panel

- Burner panel with easy online filter cleaner device
- stainless steel combustion chamber with cerawool and protection cover

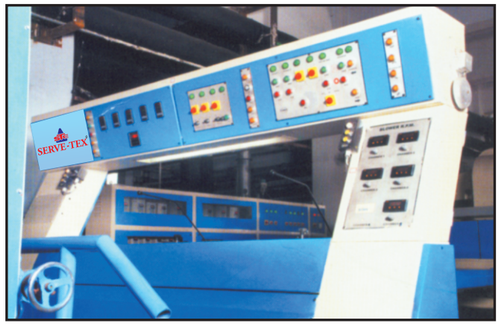
3 Bowl Mangle

- Three bowl mangle for additional squeezing preventing the carriage of extra moisture to the chamber (optional)
- AC/DC Motor as per requirement
- 8-10 ton nip pressure capacity



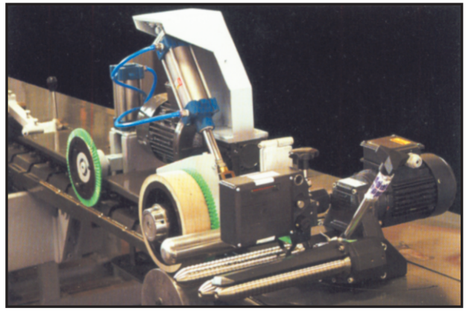
Cockpit

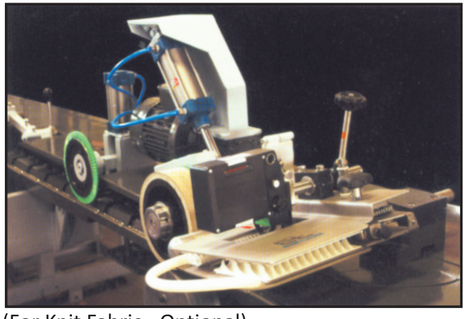
- The control board "Cockpit" gives all the information regarding machine controls
- User friendly machine controls



Pinning Unit

- It is suitable for almost all fabric conditions by setting feeler head for photoelectric touch type
- Three finger selvedge uncurler for opening the curled selvedge.
- Shorter distances between the treadle and the pinning roller result in easier working
- perfect fabric holding and pinning by electronic infrared edge sensor with Rack and Pinion arrangement system





(For Knit Fabric - Optional)
This device function to spread the curled selvedge before pinning

Infeed Device

Stenter View

Extra Accessories

- Big Batch unit is provided with pneumatic cylinder for easy movement of it.
- Chilling cylinder for additional cooling of fabric to reduce the sudden shrinkage of fabric
- Stop mark preventive damper
- Automatic moisture control with correspondence to speed variation
- T.V. with camera at feeding and delivery end
- Vaccum slit for extra suction of water
- Gumming and cutting device at selvedge
- Fabric supporter at feeding end
- Moisture indicator with controller
- Electronic Bow and Weft straightening device
- Exhaust humidity controller
- Time totalizer
- Steaming device
- Heat setting monitor
- Fabric moisture indicator with controller
- PLC controlled device system
- Fabric centering device
- Scary unit at entry and delivery end