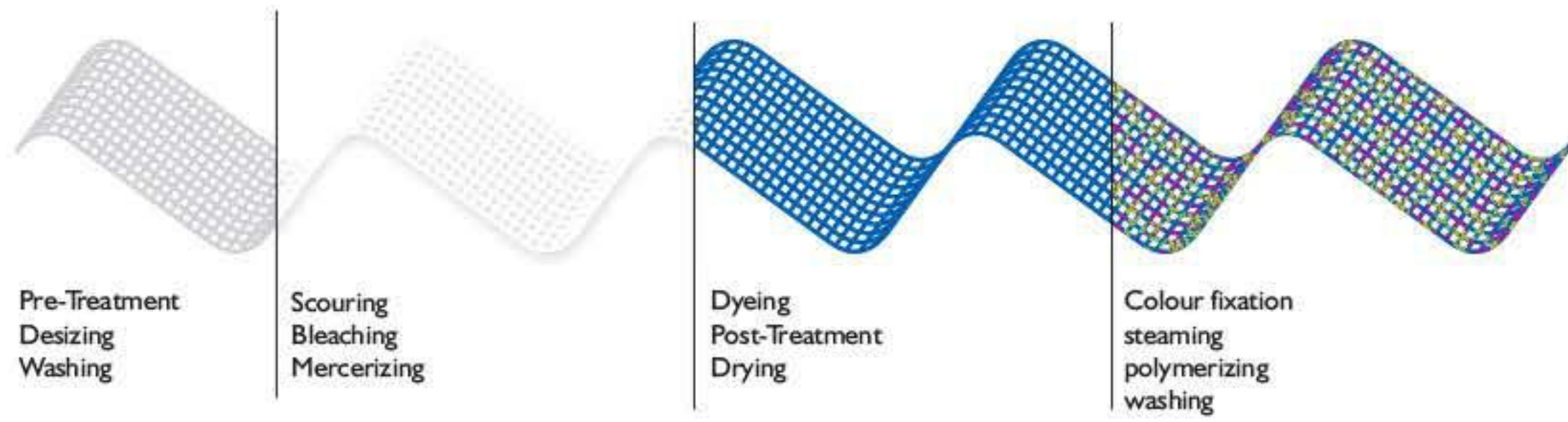


Soaring high in search of excellence



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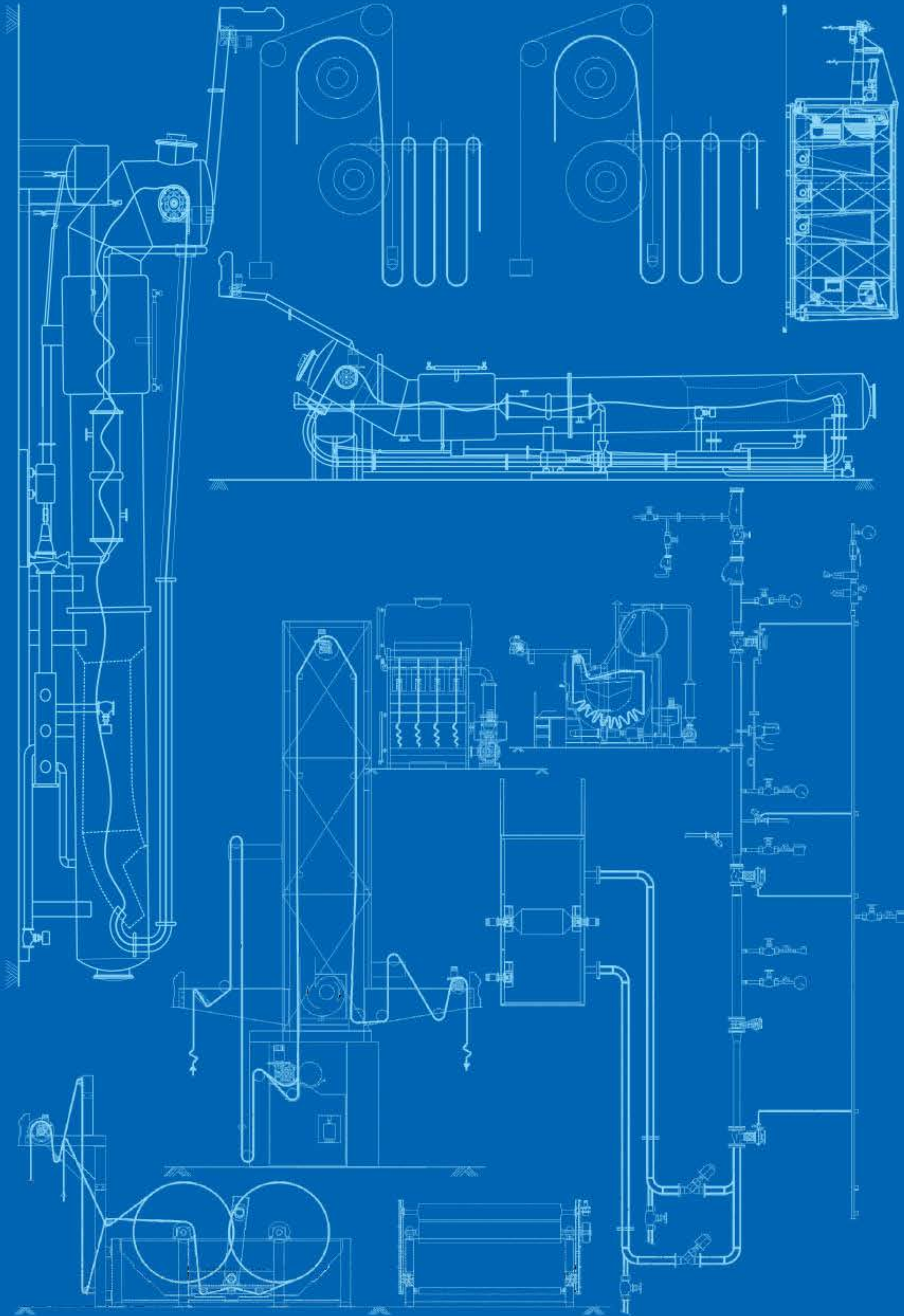
TEXFAB ENGINEERS (I) PVT. LTD.

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Company Profile

'**TEXFAB ENGINEERS INDIA PVT. LTD.**' is known for manufacturing fabric processing machinery and is fully committed to deliver complete solutions to our customers. Today, we are one of the prominent players in the textile sector with upward growth chart.

We offer a comprehensive range of fabric processing machinery like steaming, washing, mercerizer, bleaching and varieties of dyeing machines enough to offer customers choice, along with laboratory steaming & dyeing machine in different versions.

The company was incorporated in August 1990, with a modest beginning and completed the expansion program successfully in a short span and established a strong presence in the World of Textile Industries. '**TEXFAB**' based its foundation on a commitment to manufacture textile machinery using exclusively indigenous components.

'**TEXFAB**' manufacturing plant has sprawling premises measuring 50,000 sq. ft. in Sachin G.I.D.C. Dist. Surat, State Gujarat, India. With all types of manufacturing process, we have indigenous machinery with advanced technology, skilled labours and technical team. We have our own R & D and design department always working for betterment of technology.

Our diligent search for excellence as well as our quality consciousness has enabled us to transcend all deformities and successfully carve a comfortable niche in the market. We have



successfully maintained our image of product superiority supported by excellent after-sales services.

'**TEXFAB**' after establishing its position in the domestic market has dropped anchor all over the world, capturing the international market by grabbing excellent export opportunities and offering international quality at extremely competitive prices accompanied by prompt after-sales services.

We have been awarded with 'Bhartiya Udyog Ratan Award' by Indian Economic Development & Research Association and a 'Rashtriya Vikas Ratan' Gold Medal by the International Integration & Growth Society, in the year 2004, for the outstanding contribution to the national life. We are a regular participant in International Textile Machinery Exhibition in India & abroad and have been felicitated with mementos.

Unique Feature

- Driving to Excellence
- Customer Challenge is our Progress
- Our Goal is to have Customer Service that is not just the best but Legendary
- Experience Flawless Processing
- Quality & Innovation built into every design
- Customer's Feedback is our Inspiration

Office Passage



Reception



Design Area



Conference



Work Area



Workshop



Making Progress



Vision

To exceed our customer's expectations in quality, delivery, and cost through continuous improvement and customer interaction



Agility

Being sensitive to the rapidly changing environment and act immediately



Mission

With continuous innovation, we are committed to provide energy efficient products



Teamwork

Effective communication, delegation and collaboration



Innovation

Anticipated the trend and develop competitive products



Quality

An ISO 9001 : 2008 Certified Company







Customer Satisfaction

Fully understand and fulfill customer needs



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Curing / Polymerising Machine

Special Features

The fixation of dyes on fabric is made by a polymerization in hot air at 150°C. We have improved the polymerization process on fabric moves in tension less condition, there is no rubbing and no length wise stretched on printed fabric.

The machine is essentially built on a steel frame with insulation panels containing min wool. Inside the machine, centrifugal blowers are mounted this blowers sucks surrounding air and blow into the machine chamber. This blowing is done from the bottom, underneath the heaters. In this way the fresh air is first heated and then mixed with the circulation air.

The eventual oil condenses or hydrocarbons, which develop during fixation, are removed through an exhaust fan partially and partially re-circulated air to air heat recovery within the chamber.

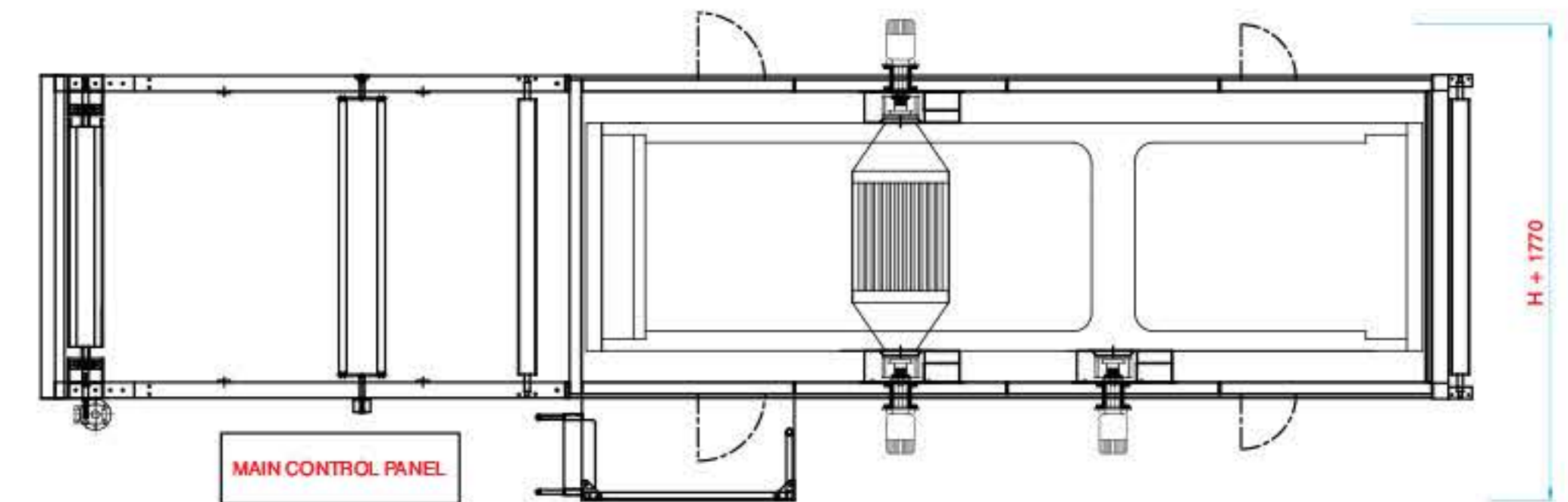
The fabric transports on free loops, quantity of fabric contain from 50 meters to 250 meters and working fabric width available from 1250 mm to 3650 mm.

Some special de-ionization bars are installed at the inlet and outlet to reduce the fabric electrification phenomena.

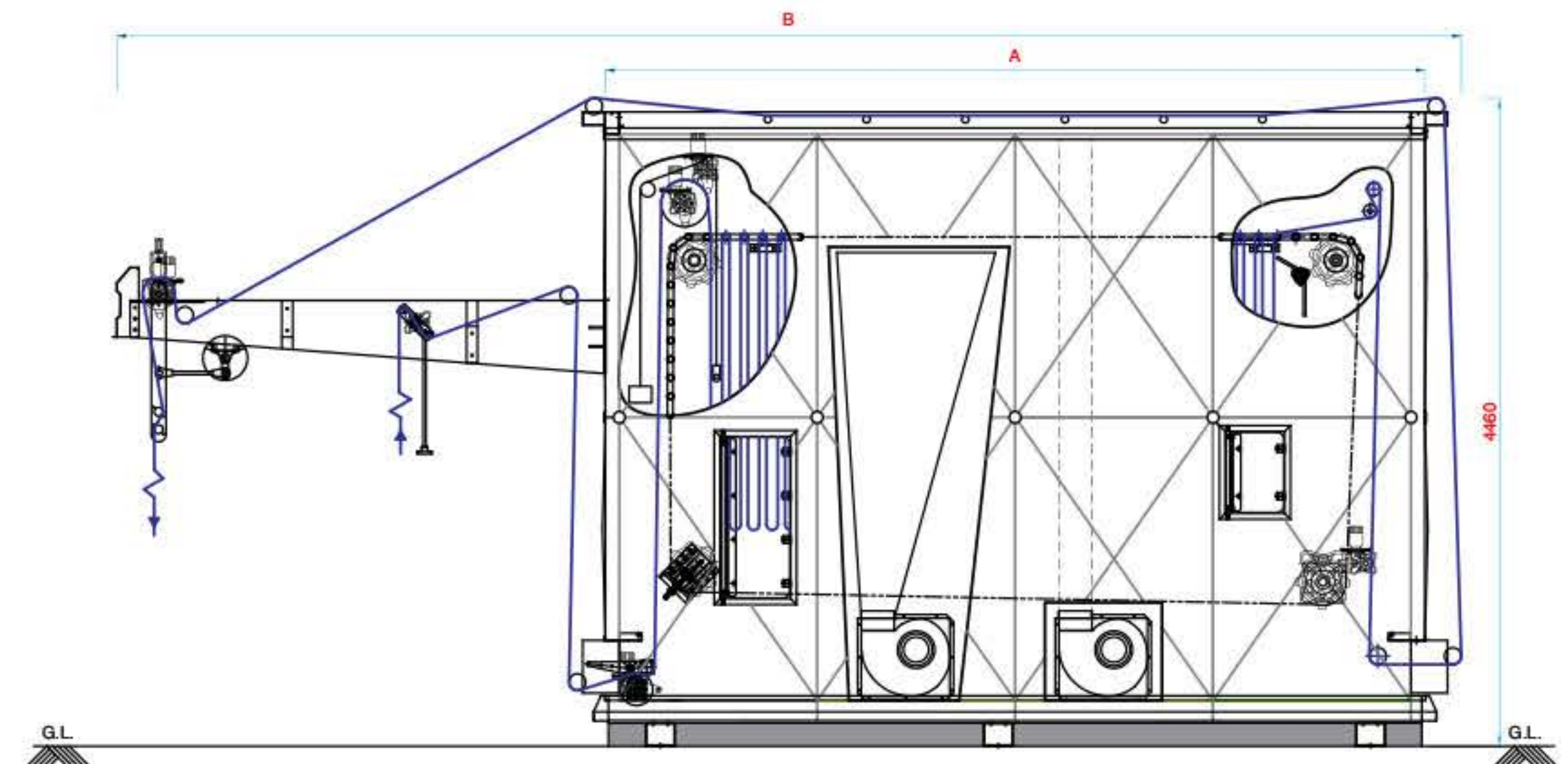
The air heating can be reached with battery fed by thermic oil or may also be achieve by direct gas burner.

The machine is equipped with electric control panel and on request it is possible to supply a logic programmer.

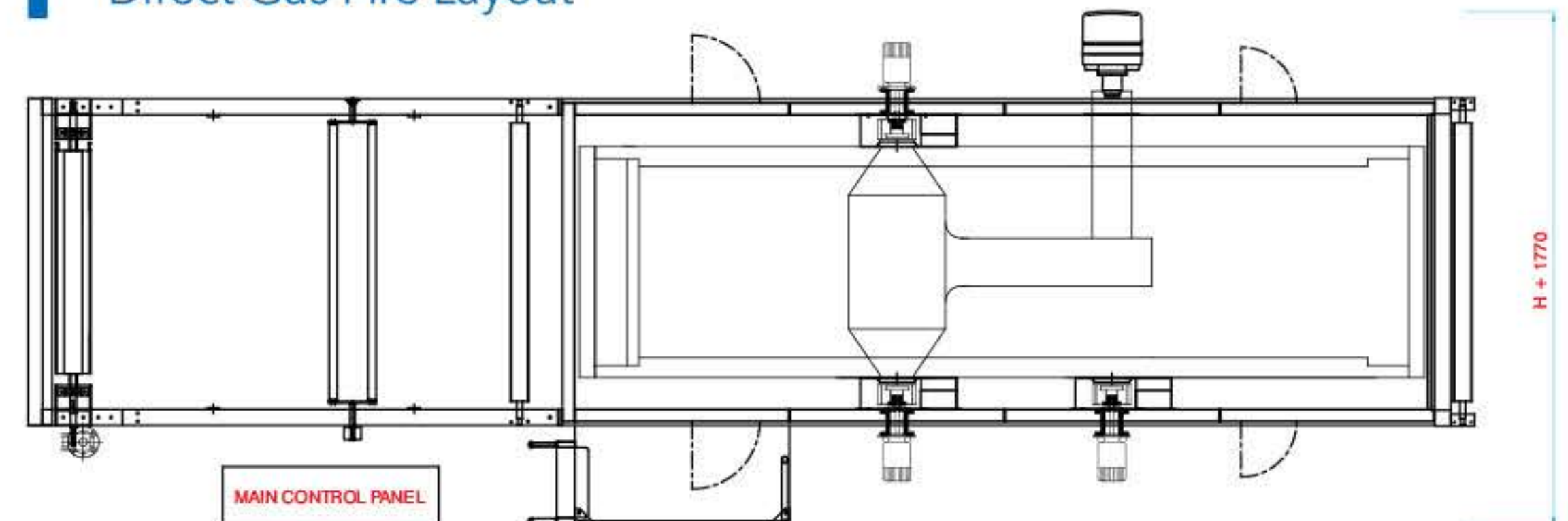
Oil Heating Layout



Sales Layout



Direct Gas Fire Layout



Curing / Polymerising Machine

TECHNICAL DATA

SUBJECT TO KIND OF FABRIC

FOR 101mm GAP BETWEEN TWO CONVEYOR ROLLS - 4"P

MODEL	UNIT	TPM - 65	TPM - 125	TPM - 190	TPM - 255	
Fabric capacity	mtrs	65	125	190	255	
Standard roller width	mm	1400-1700-2000-2300-2600				
Working speed	mtrs/min	11 - 13	21 - 25	31 - 38	42 - 51	
Dwell time	min	5 - 6	5 - 6	5 - 6	5 - 6	
Process temp. required in hot air condition	° C	100-160				
Installed thermal oil power	Min.	k.cal/hr	50,000	72,000	96,000	1,18,000
	Max.	k.cal/hr	79,000	1,18,000	1,56,000	1,95,000
Installed thermal gas power	Min.	k.cal/hr	11,500	17,000	23,000	28,000
	Max.	k.cal/hr	19,000	28,000	37,000	46,000
Installed electric power	kw/hp	8.25 / 11	8.25 / 11	8.25 / 11	11.25 / 15	
Thermic oil temp. required	° C	240°C				
Thermic oil pressure required	PSI / kg/cm ²	14.8 / 1.0				
Gas pressure required	WC	500				
FLOOR SPACE REQUIRED						
Chamber length (A)	mm	2893	4246	5600	6952	
Total length (B)	mm	6463	7816	9170	10522	
Width	mm	Roller Width + 1770				
Height	mm	4460	4460	4460	4460	
We reserve the right to change the dimensions / specifications without any notice						
All dimensions are in mm GL = Ground Level						

Curing / Polymerising Machine

TECHNICAL DATA

SUBJECT TO KIND OF FABRIC

FOR 127mm GAP BETWEEN TWO CONVEYOR ROLLS - 5"P

MODEL	UNIT	TPM - 50	TPM - 100	TPM - 150	TPM - 200	TPM - 250	
Fabric capacity	mtrs	50	100	150	200	250	
Standard roller width	mm	1400-1700-2000-2300-2600-2900-3200-3500-3800					
Working speed	mtrs/min	8 - 10	17 - 20	25 - 30	33 - 40	42 - 50	
Dwell time	min	5 - 6	5 - 6	5 - 6	5 - 6	5 - 6	
Process temp. required in hot air condition	° C	100-160					
Installed thermal oil power	Min.	k.cal/hr	50,000	70,000	96,000	1,18,000	1,42,000
	Max.	k.cal/hr	1,10,000	1,63,000	2,18,000	2,71,000	3,26,000
Installed thermal gas power	Min.	k.cal/hr	11,500	17,000	23,000	28,000	35,000
	Max.	k.cal/hr	25,000	39,000	52,000	64,500	77,500
Installed electric power	kw/hp	8.25 / 11	8.25 / 11	8.25 / 11	11.25 / 15	11.25 / 15	
Thermic oil temp. required	° C	240°C					
Thermic oil pressure required	PSI / kg/cm ²	14.8 / 1.0					
Gas pressure required	WC	500					
FLOOR SPACE REQUIRED							
Chamber length (A)	mm	2893	4246	5600	6952	8306	
Total length (B)	mm	6463	7816	9170	10522	11876	
Width	mm	Roller Width + 1770					
Height	mm	4460	4460	4460	4460	4460	
We reserve the right to change the dimensions / specifications without any notice							
All dimensions are in mm GL = Ground Level							



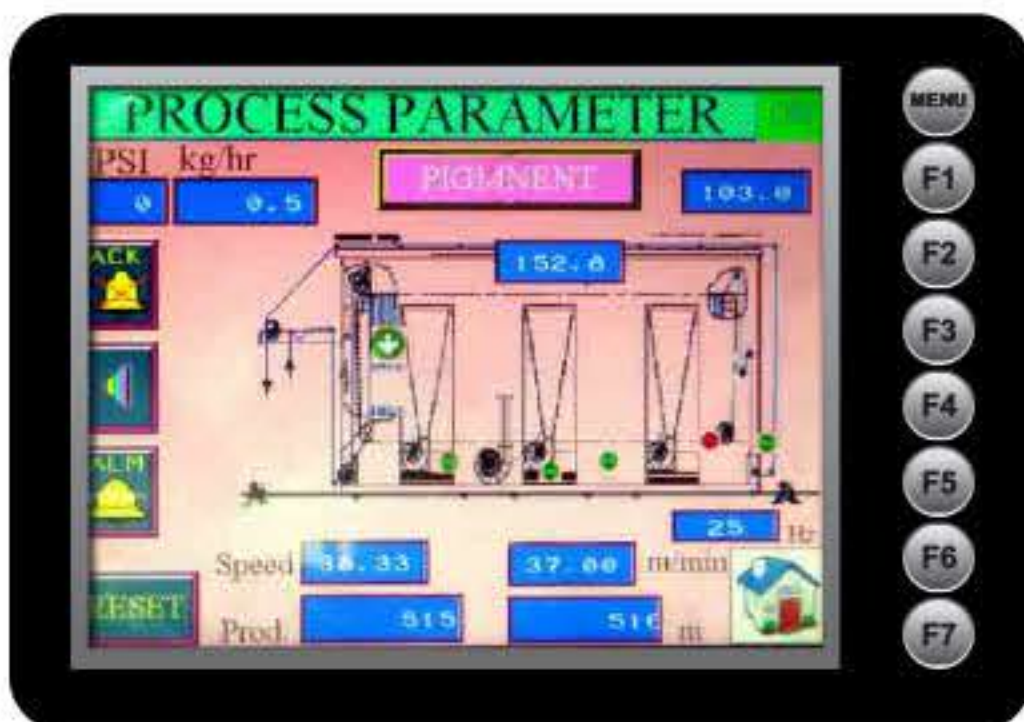
Some of the important features :

- Compact steaming chamber design to reduce steam consumption.
- Even distribution of steam in chamber, steam being injected from the top and being lighter than air will force to remove air and exhaust from bottom will occupied the process chamber fully and thus no chance of air inside the steaming chamber.
- Automatically air-free tanks to the steam dome principle.
- Optimum steam conditioning and humidification with parallel flow inside the steamer.
- Special treated loop rods are rotating on their axis to avoid marking off from the rod itself. Loop formation is done by a dancing roller system.
- The steaming chamber is closed type made completely in stainless steel AISI 316.
- For low temperature steaming the chamber roof is heated by steam/themo oil coils preventing condensation and dropping.
- Steamer are equipped with special device steam desuperheater that conditions the steam, it passes through

the water vapor before being injected into steaming chamber. These particular characteristics of steam pre-conditioning which prevent and control the exothermic reaction of the fabrics and of the printing paste, make the machine unique and are the basis of great success achieved all over on Textile Industries.

- For high temperature steaming the steamer are equipped with an efficient re-circulation system and heat exchangers using either thermic fluid or direct gas fire system which ensures uniform temperature in the chamber.
- A special system to allow air to re-circulate instead of steam permits polymerization treatment with hot air upto 160°C.
- Two big size access doors are provided on the front side and two small inspection windows on backside.
- Steam exhaust fan driven by variable speed AC motor.
- All fabric movement drive driven by variable speed AC motor.
- Automatic control PLC for programming and monitoring the steam quantity, steam pressure, process time and temperature are optional.

Universal Loop Ager with Arrangement for Moist & Super Heated Steaming Machine



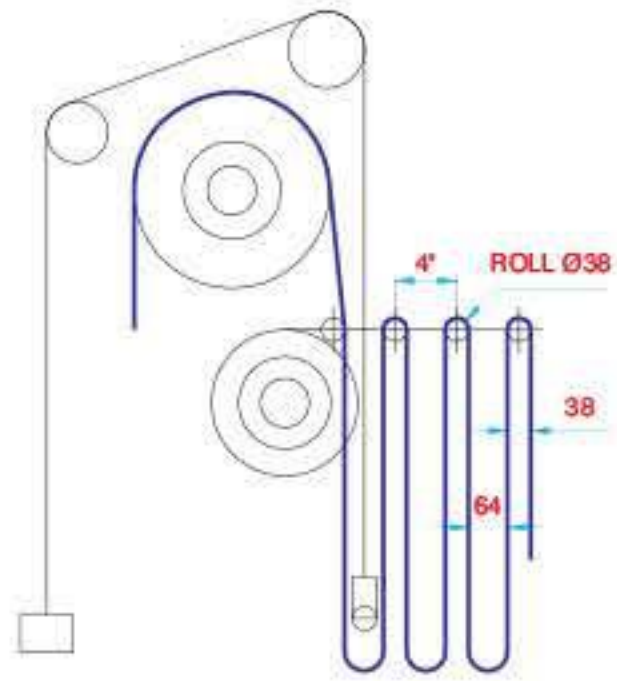
TEXFAB is the only Indian company to provide customers continuous steaming machine, which is updated and technologically advanced. This steaming machine is the result of the technical suggestions from our valued customers. Its special features increase productivity, consistency and reproducibility, with excellent results of printed fabric. The company has a wide experience in steaming process for different fabric.

For different class of dyestuff the most important requirement is of steaming condition.

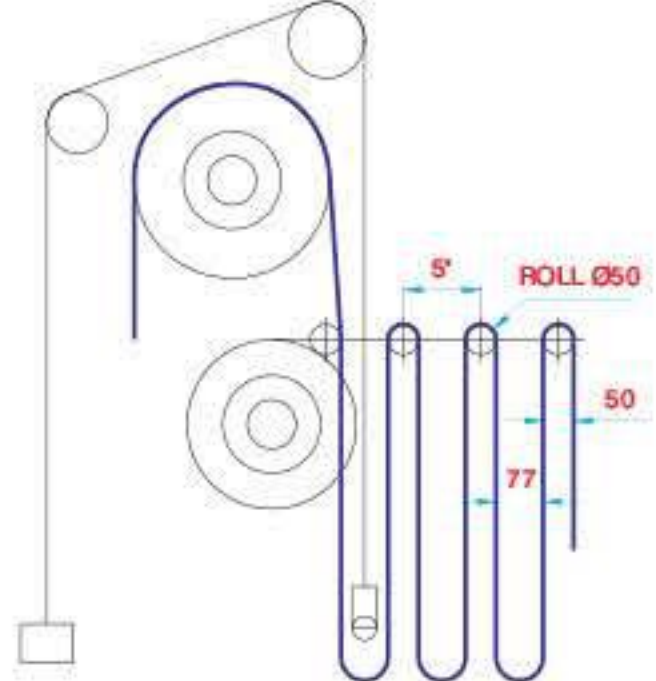


Universal Loop Ager with Arrangement for Moist & Super Heated

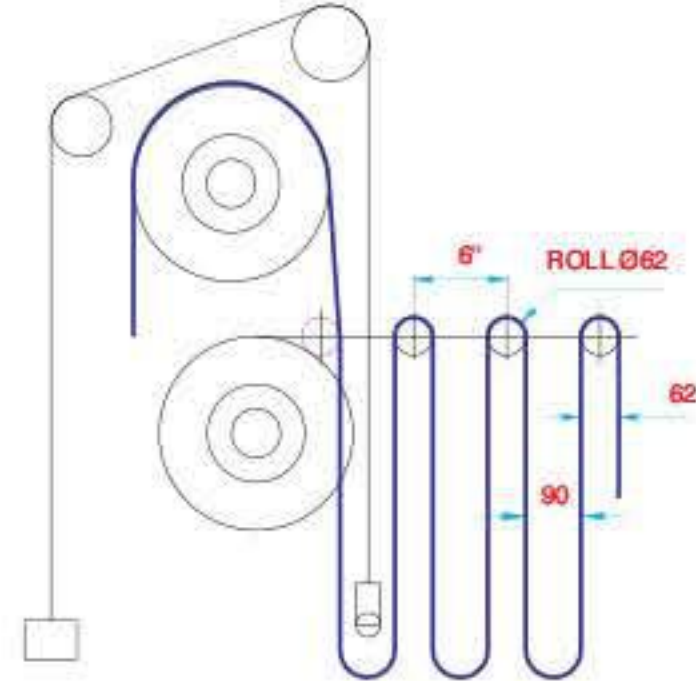
Conveyor Roll for 4"P



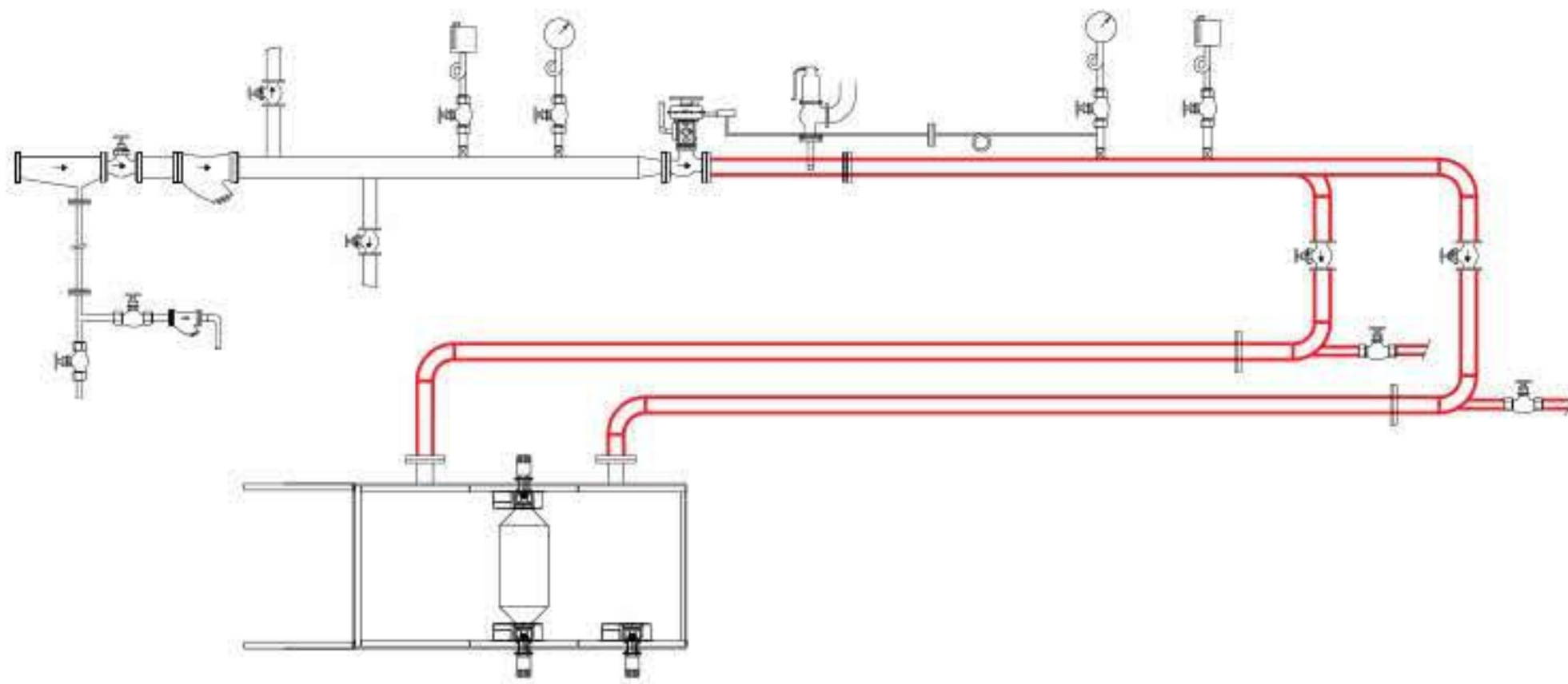
Conveyor Roll for 5"P



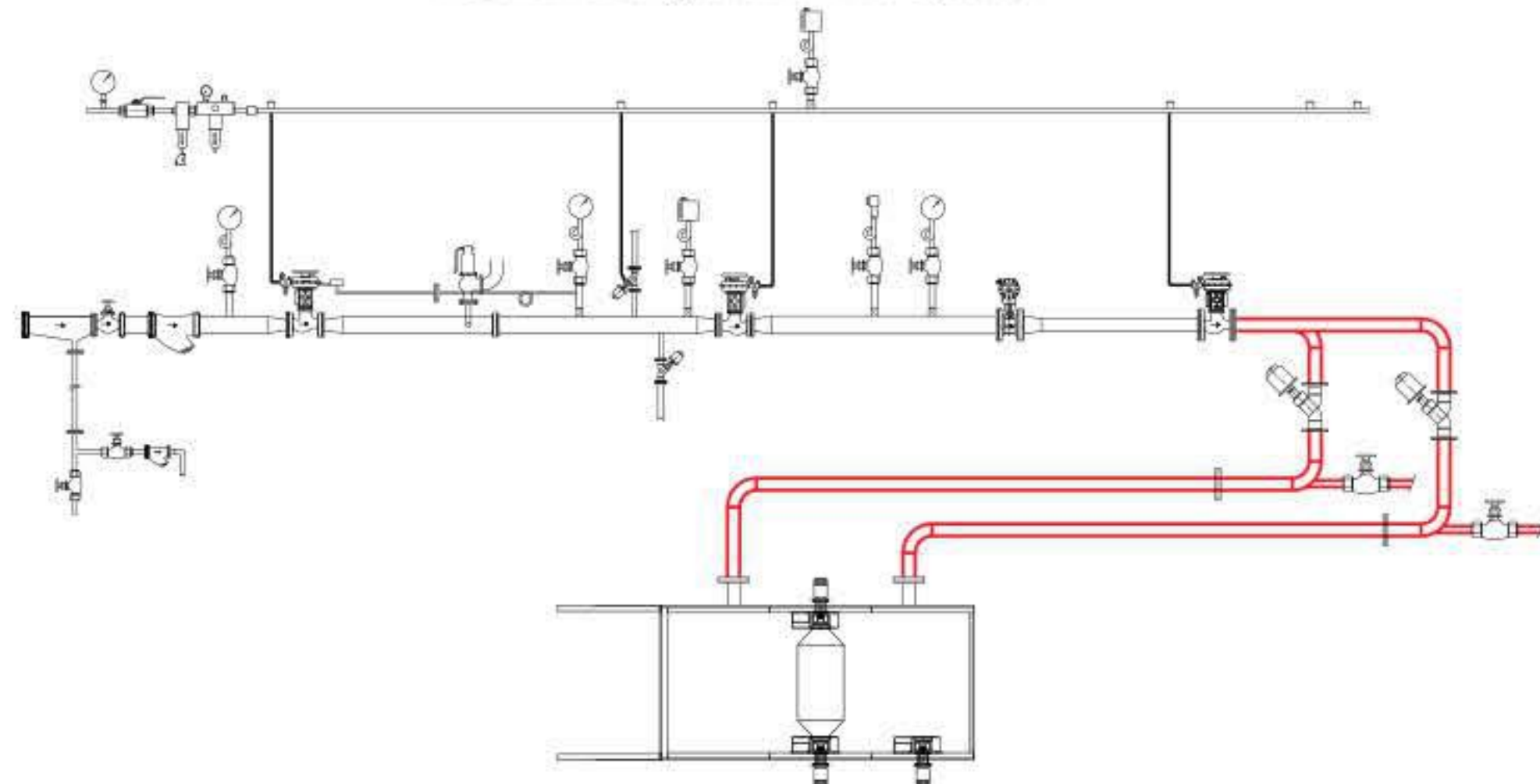
Conveyor Roll for 6"P



Pressure Reducing Station for Manual Operation

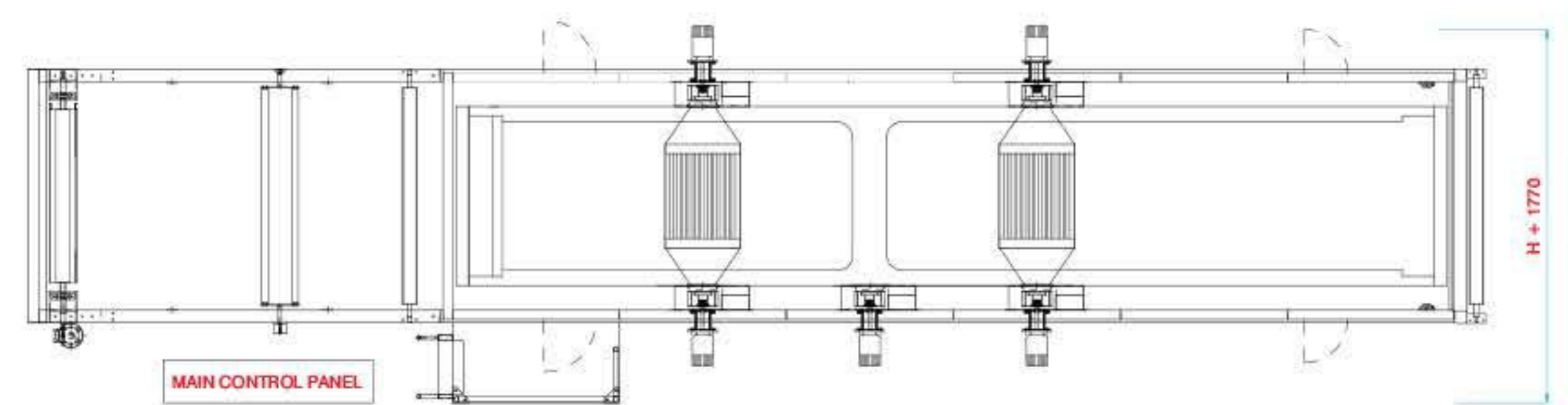


Pressure Reducing Station for PLC Operation

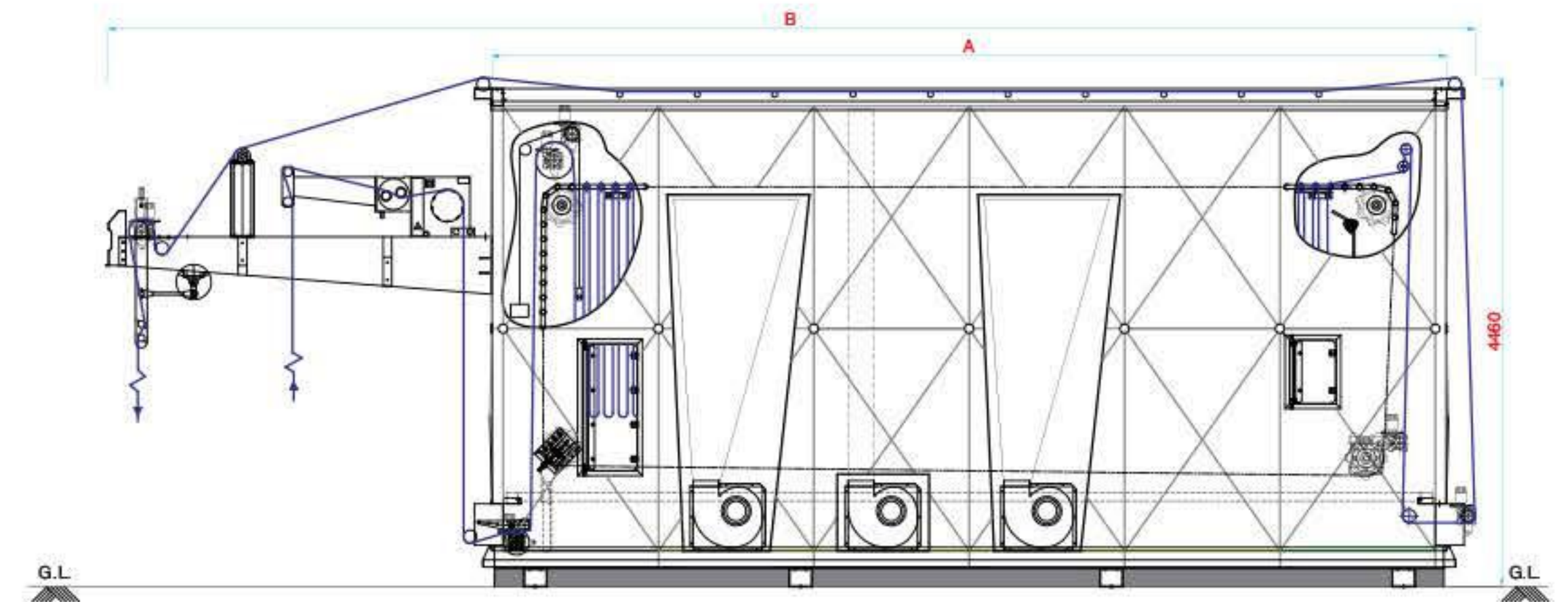


Universal Loop Ager with Arrangement for Moist & Super Heated

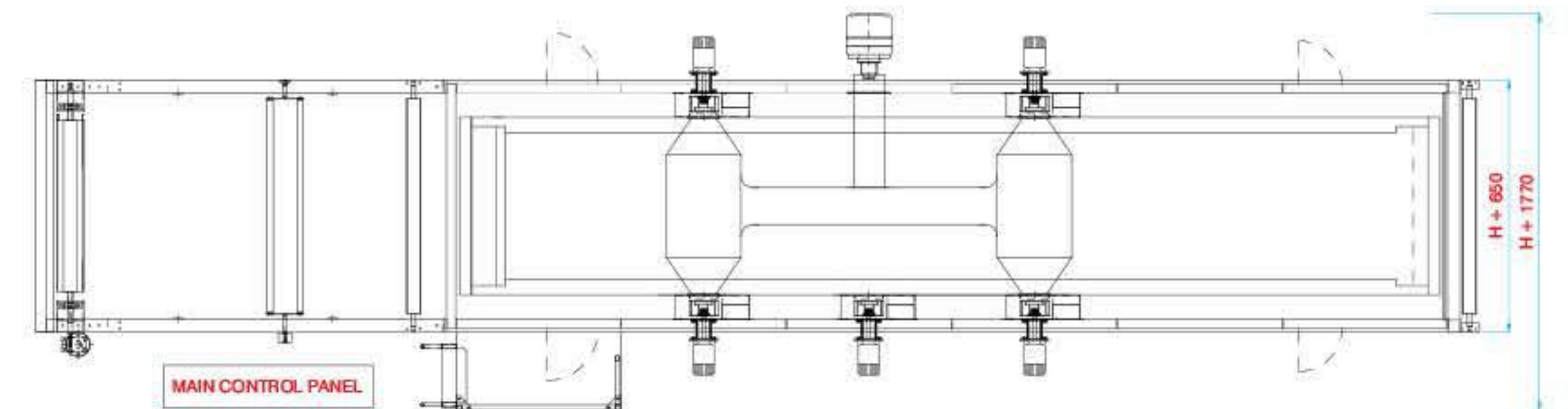
Oil Heating Layout



Sales Layout



Direct Gas Fire Layout



Universal Loop Ager with Arrangement for Moist & Super Heated Steaming Machine

TECHNICAL DATA

SUBJECT TO KIND OF FABRIC

FOR 101mm GAP BETWEEN TWO CONVEYOR ROLLS - 4"P

MODEL	UNIT	TLA - 65	TLA - 125	TLA - 190	TLA - 255	TLA - 320	
Fabric Capacity	mtrs	65	125	190	255	320	
Standard roller width	mm	1400 - 1700 - 2000 - 2300 - 2600					
Working speed	mtrs/min	2 - 11	4 - 21	6 - 32	8 - 43	11 - 53	
Dwell time	min	6 - 30	6 - 30	6 - 30	6 - 30	6 - 30	
Process temp. required in saturated condition	° C	102-108					
Process temp. required in high temp. condition	° C	130-180					
Process temp. required in hot air condition	° C	100-160					
Average steam consumption in saturated condition	kg/hr	100 - 165	150 - 245	200 - 325	245 - 405	295 - 490	
Average steam consumption in thermo oil high temp. condition	kg/hr	105 - 175	160 - 260	210 - 340	260 - 425	310 - 515	
Average steam consumption in gas fire high temp. condition	kg/hr	110 - 185	165 - 270	220 - 360	270 - 445	325 - 540	
Installed thermal Oil power	Min.	k.cal/hr	50,000	72,000	96,000	1,18,000	1,42,000
	Max.	k.cal/hr	79,000	1,18,000	1,56,000	1,95,000	2,35,000
Installed thermal Gas power	Min.	k.cal/hr	11,500	17,000	23,000	28,000	34,000
	Max.	k.cal/hr	19,000	28,000	37,000	46,000	56,000
Installed electric power	kw/hp	8.25 / 11	8.25 / 11	8.25 / 11	11.25 / 15	11.25 / 15	
Steam pressure required before PRV	PSI/kg/cm ²	60 / 4					
Steam pressure required after PRV	PSI/kg/cm ²	30 / 2					
Thermic oil temp. required	° C	240°C					
Thermic oil pressure required	PSI/kg/cm ²	14.8 / 1.0					
Gas pressure required	WC	500					
FLOOR SPACE REQUIRED							
Chamber length (A)	mm	2893	4246	5600	6952	8306	
Total length (B)	mm	6463	7816	9170	10522	11876	
Width	mm	Roller Width + 1770					
Height	mm	4460	4460	4460	4460	4460	

We reserve the right to change the dimensions / specifications without any notice

All dimensions are in mm

GL = Ground Level

Universal Loop Ager with Arrangement for Moist & Super Heated Steaming Machine

TECHNICAL DATA

SUBJECT TO KIND OF FABRIC

FOR 127mm GAP BETWEEN TWO CONVEYOR ROLLS - 5"P

MODEL	UNIT	TLA - 50	TLA - 100	TLA - 150	TLA - 200	TLA - 250	TLA - 300	TLA - 350	
Fabric capacity	mtrs	50	100	150	200	250	300	350	
Standard roller width	mm	1400-1700-2000-2300-2600-2900-3200-3500-3800							
Working speed	mtrs/min	2 - 8	3 - 17	5 - 25	7 - 33	8 - 42	10 - 50	12 - 58	
Dwell time	min	6 - 30	6 - 30	6 - 30	6 - 30	6 - 30	6 - 30	6 - 30	
Process temp. required in saturated condition	° C	102 - 108							
Process temp. required in high temp. condition	° C	130 - 180							
Process temp. required in hot air condition	° C	100 - 160							
Average steam consumption in saturated condition	kg/hr	100 - 225	150 - 340	200 - 455	245 - 565	295 - 680	345 - 795	395 - 905	
Average steam consumption in thermo oil high temp. condition	kg/hr	105 - 235	160 - 360	210 - 480	260 - 595	310 - 715	360 - 835	415 - 950	
Average steam consumption in gas fire high temp. condition	kg/hr	110 - 250	165 - 375	220 - 500	270 - 620	325 - 750	380 - 875	435 - 995	
Installed thermal oil power	Min.	k.cal/hr	50,000	72,000	96,000	1,18,000	1,42,000	1,66,000	1,90,000
	Max.	k.cal/hr	1,10,000	1,63,000	2,18,000	2,71,000	3,26,000	3,82,000	4,34,000
Installed thermal gas power	Min.	k.cal/hr	11,500	17,000	23,000	28,000	34,000	39,500	45,000
	Max.	k.cal/hr	25,000	39,000	52,000	64,500	77,500	91,000	1,03,000
Installed electric power	kw/hp	8.25 / 11	8.25 / 11	8.25 / 11	11.25 / 15	11.25 / 15	11.25 / 15	14.25 / 19	
Steam pressure required before PRV	PSI / kg/cm ²	60 / 4							
Steam pressure required after PRV	PSI / kg/cm ²	15-30 / 1-2							
Thermic oil temp. required	° C	240°C							
Thermic oil pressure required	PSI / kg/cm ²	14.8 / 1.0							
Gas pressure required	WC	500							
FLOOR SPACE REQUIRED									
Chamber length (A)	mm	2893	4246	5600	6952	8306	9658	11012	
Total length (B)	mm	6463	7816	9170	10522	11876	13228	14582	
Width	mm	Roller Width + 1770							
Height	mm	4460	4460	4460	4460	4460	4460	4460	

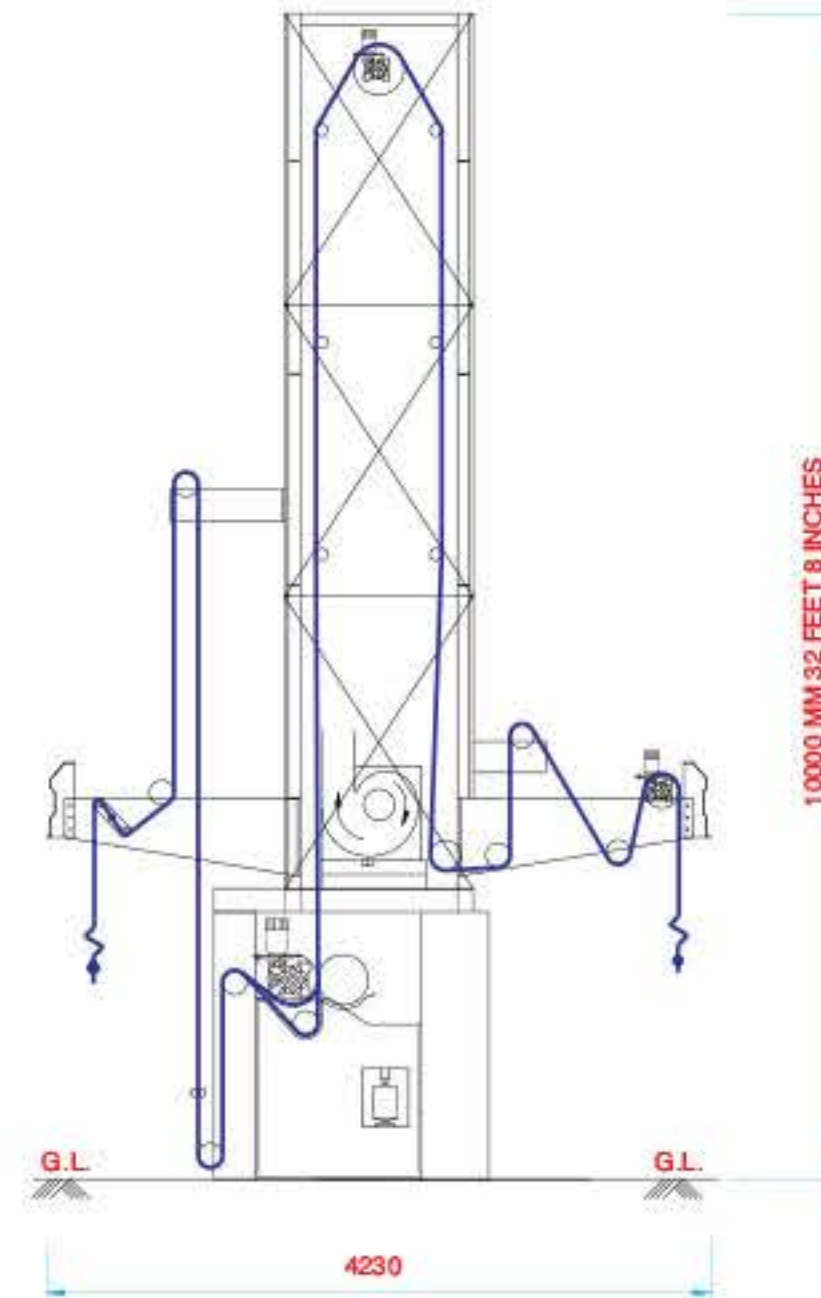
We reserve the right to change the dimensions / specifications without any notice

All dimensions are in mm

GL = Ground Level



Pad - Steam



TECHNICAL DATA

Capacity of fabric	mtrs	8	10	12
Roller width	mm	1400 - 3800		
Working speed	mt/min	2 - 18		
Dwell time	sec	15 - 90		
Steam consumption	kg/hr	120 - 300		
Length	mm	4230		
Width	mm	RW + 600		
Height	mm	7000	8500	10000

Flash Ager for Two Phase Prints

Special Features

This machine has been specially designed to wet out the fabric for two phase steaming. Two phase printing is usually used for woven cloths printed with reactive or vat dyes.

After printing and drying, the cloth passes through a chemical mangle and then into a steaming chamber for fixation.

The machine is complete with chemical pad mangle with two horizontal rollers particularly suitable for two phase liquor application.

One chrome plated roller contacts the printed side of the fabric whereas a viscoelastic rubber roller works on the reserve side of fabric. Special pneumatic pistons ensure a regular and uniform squeezing. A double liquor trough allows applying the chemical by

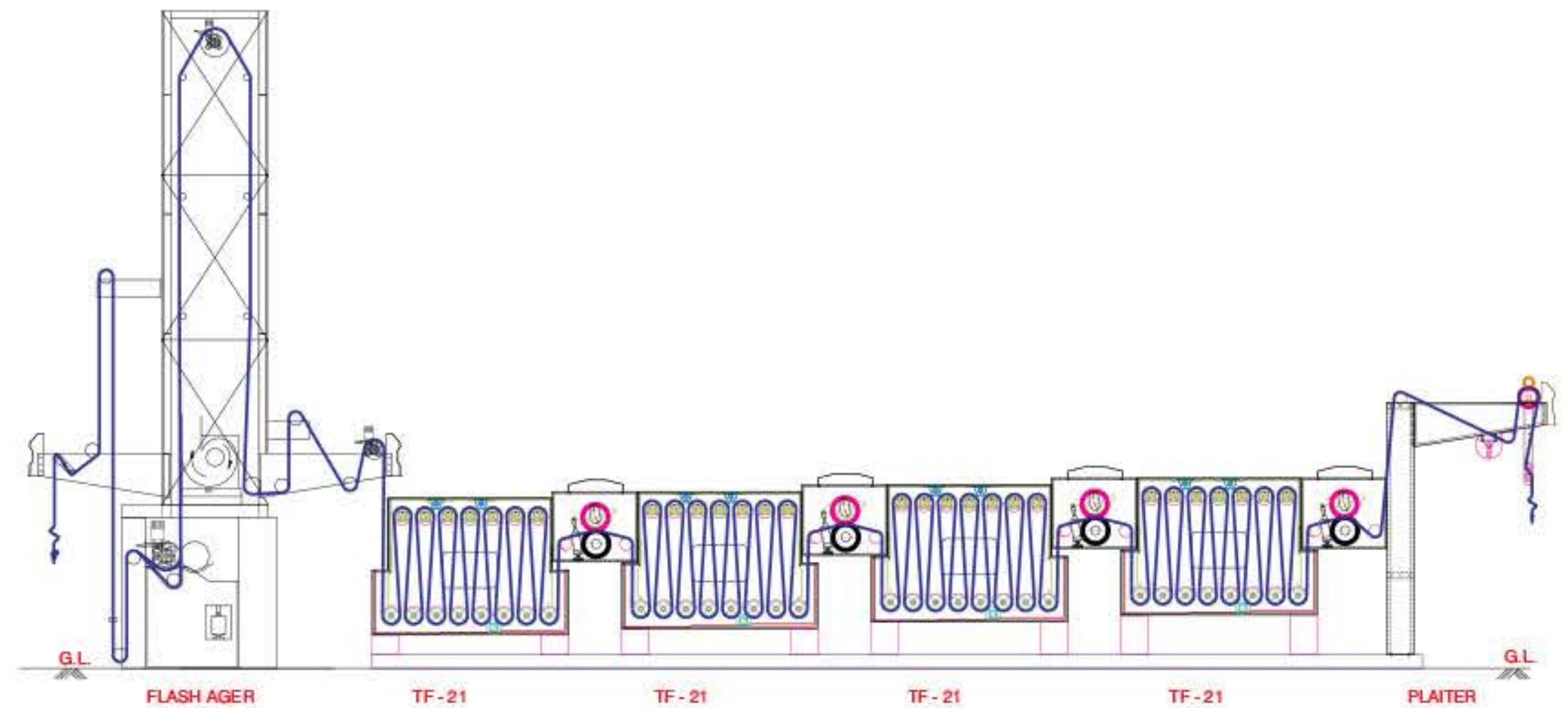
nipping or dipping under the rubber roller. Alternatively the liquor can be applied on the printed side using the chrome plated roller. A doctor blade is installed to keep the chrome plated roller always clean.

Perfect dyestuff fixation can be obtained with steam uniformly distributed at a constant temperature in the steaming chamber.

For reactive dye fixation process requires about 15 second at 130°C using silicate or carbonate in the pad mangle. Chemical are put on the printed side of the fabric by the chrome plated roller of the mangle.

For vat discharge fixation process require 30 seconds at a temperature of 130°C.

Pad - Steam - Washing





Continuous Multi Chamber Open Width Washing Machine

Washing performance is a result of fabric type, water quality, water flow, production speed, liquor exchange rate and temperature.

Open width Washing machine is the only one equipped with exclusive VIBRO washing system with two drums in a compartment. The system consists of specially shaped impeller in each drum in which water jets uniformly hits the full fabric width.

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 disperse dyes, vat dyes and reactive dyes.

Washing machine with tanks can carry out impregnation, pre-washing, rinsing and chemical treatment.

Effective squeezer between the washing units to give maximum liquor separation from bath to bath.

21 meter compartment, Vibro, Rotary wash and Bitter Compartment for washing. Soaping for removing excess color and Relaxer compartment for swelling of thickener.

The washing line has been designed specially for tensionless washing of fabrics. All the driven rolls are powered by constant load motors with adjustable speeds.

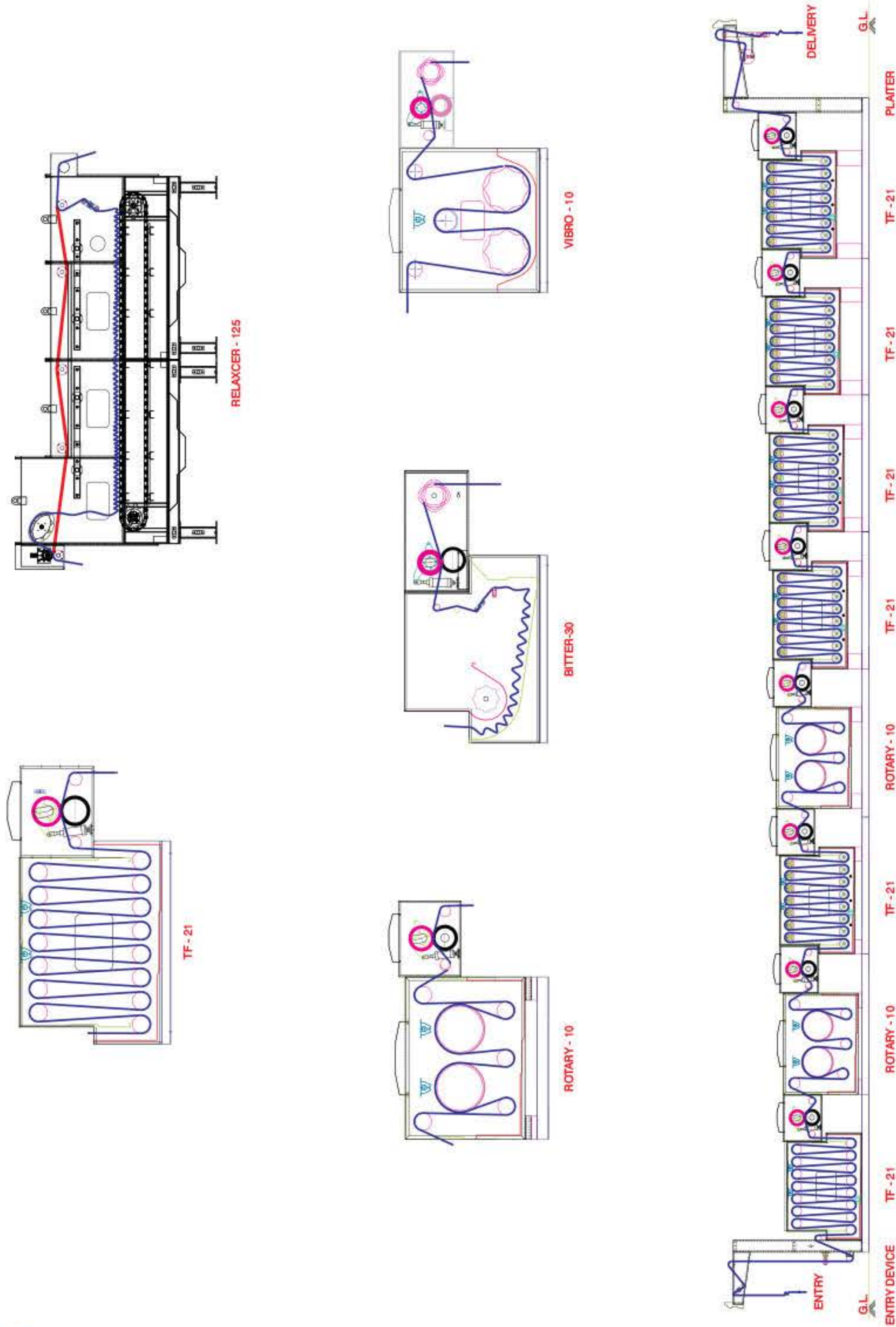
Each washing compartment equipped with its own recirculation pump, filtering device, overflow, drain and heating arrangement.

The washing machine line is traditionally composed with different types of compartments according to different production requirements, assuring a convenient solution to every washing need.

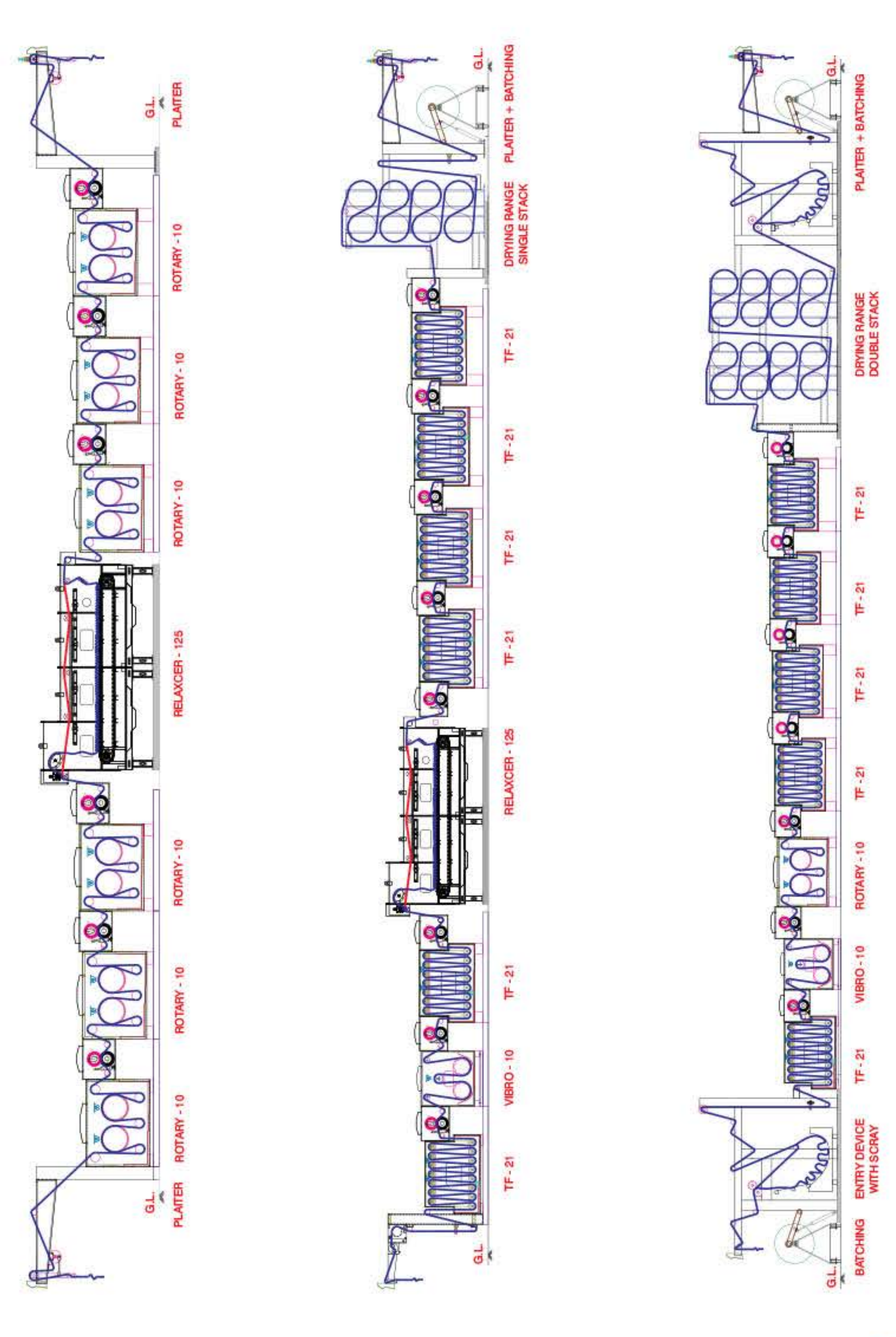


- High liquor turbulence
- Intensive liquor cross- flow through the fabric
- Fast liquor exchange in the fibre
- Effective removal of hardly soluble impurities
- Washing result independent of fabric speed

Continuous Multi Chamber Open Width Washing Machine



Continuous Multi Chamber Open Width Washing Machine





Open Cum Rope Washing for Terry Towel

This is again a new concept to wash reactive printed terry towel to get the perfect washing fastness.

Reactive printed terry towel wash in two stages, first in open form and then in rope form. With this concept towel is thoroughly washed to get maximum washing fastness.

Reactive printed terry towel: first, soak in water in relax form to loosen the thickner and superficial color and then high level water turbulence in Vibro wash and on relaxer with water flooded from top through water blade. Then terry towel enter in rope compartment which have individual light squeezing and gently

lifting and pass through soft nozzle where pressure is less and water flow is more.

According to production capacity one can increase the number of rope compartment. Each compartment having its own water filling, over flow, re-circulation, heating arrangement & heavy squeezer in last rope compartment.

Fully PLC Control System is an optional feature for the customers. It controls water filling, temperature, water consumption and steam consumption.

Another optional feature is PH Controller.

Continuous Rope Bleaching Range (For Delicate and Low GSM Fabric)

This is another low cost cold bleaching process after caustic boil, which save time, labour, water and power. This is suitable for delicate and low GSM fabrics.

Grey fabric after mercerizing and caustic boiling will take it to continuous rope bleaching range for cold process.

After boiling the fabric, it get washes in rope form in two or three washing compartment and then to saturator for bleaching solution which is made out of special material and then store for one hour in J-Box for complete reaction. This process is done in two stages, after this neutralize and wash properly to get neutral PH.

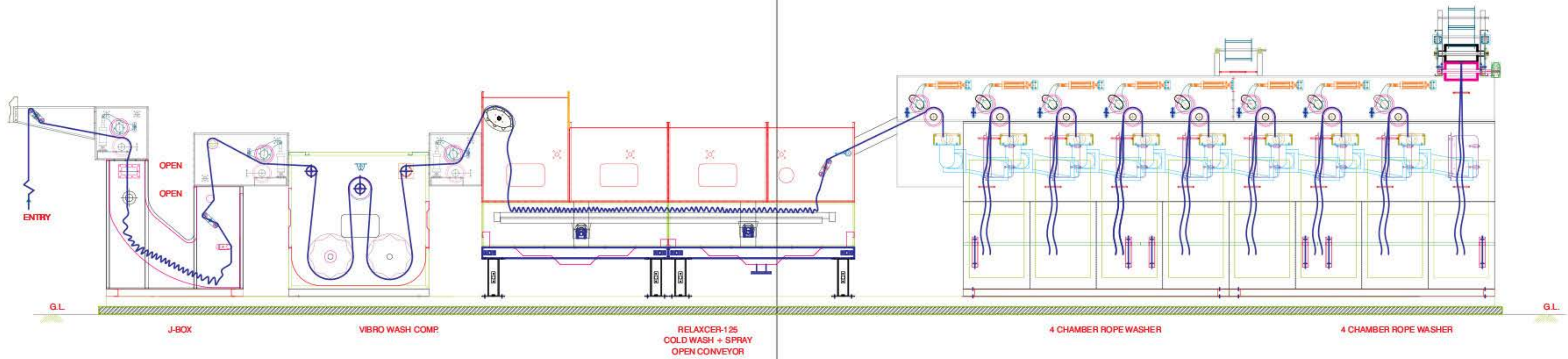
This is a tailor made machine, can be added compartment according to production capacity required.

After this process fabric is ready for Dyeing and Printing

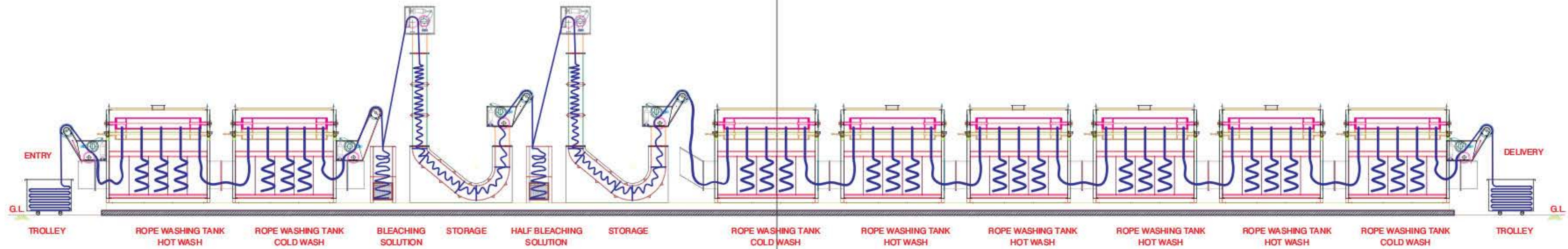
Optional Features

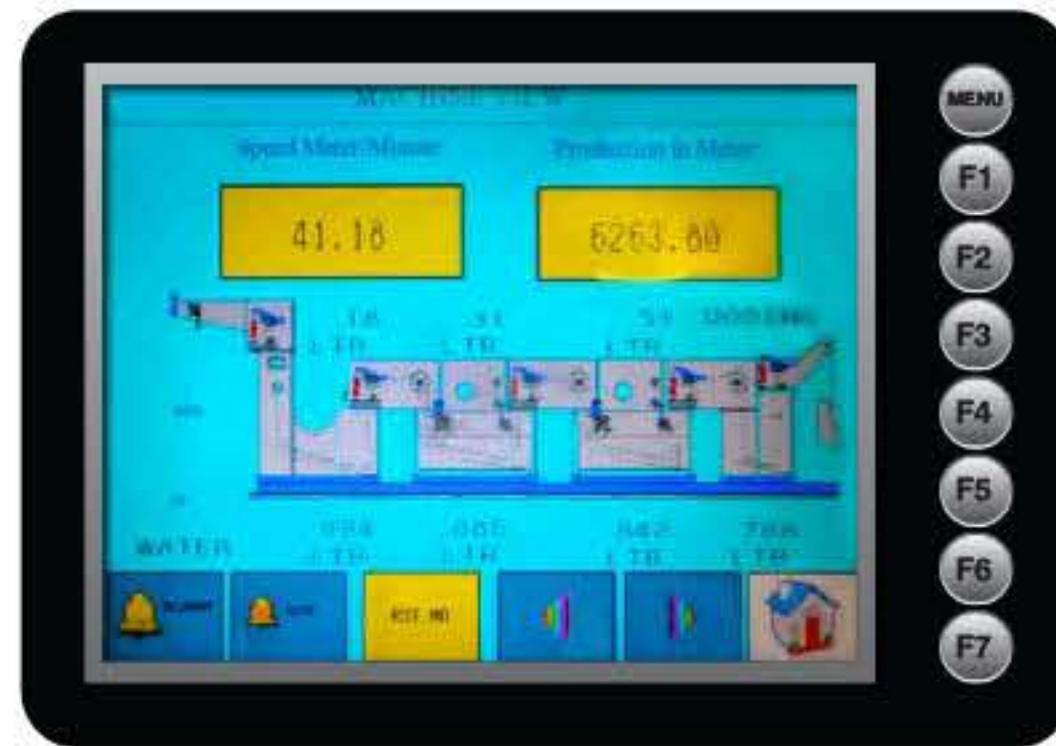
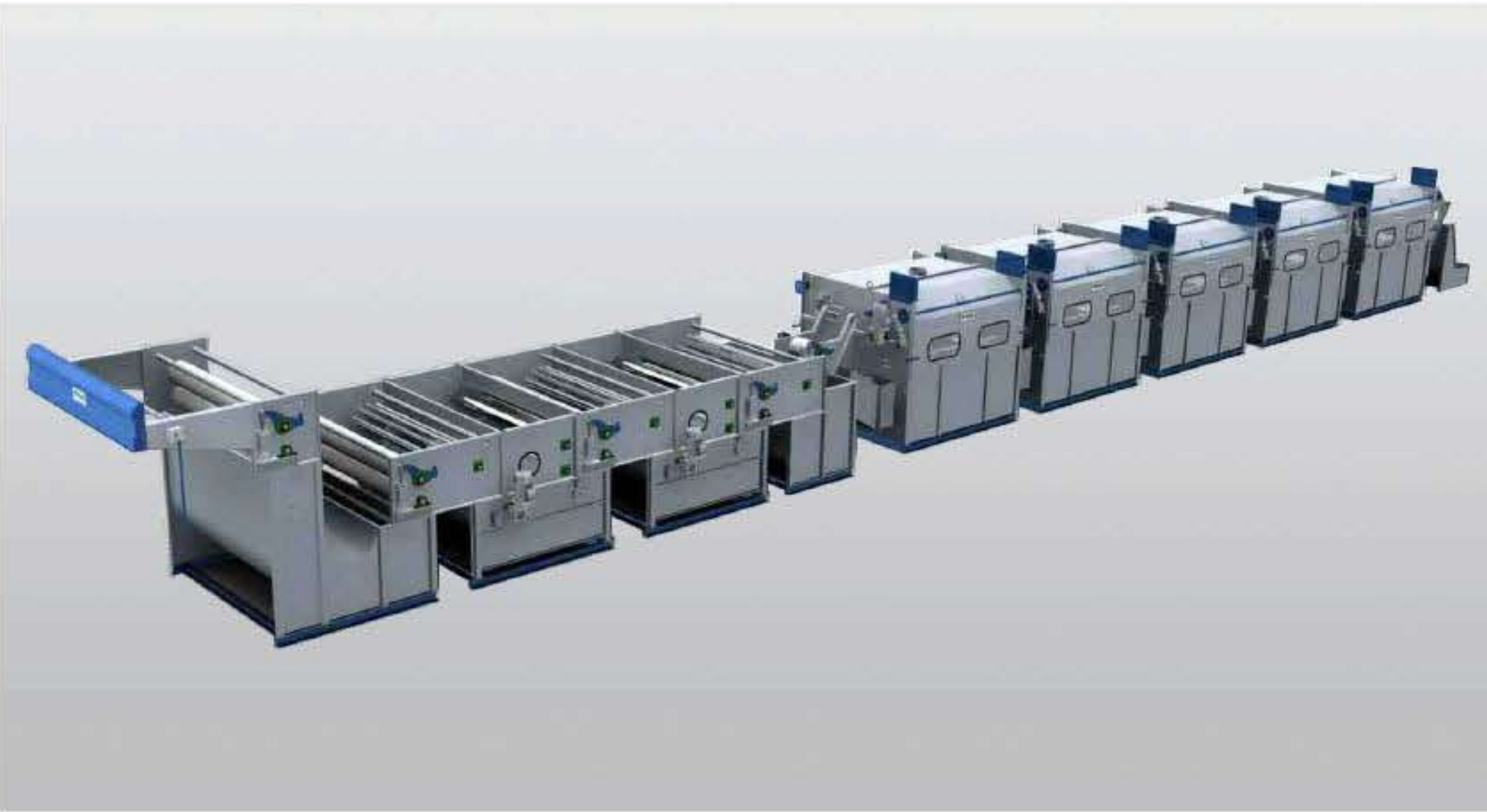
- Machine can be attached with Rope Opener
- Machine can be attached with Drying Range after Rope Opener
- Machine can be supply in PLC Control System
- PH Controller

Open Cum Rope Washing for Terry Towel



Continuous Multi Chamber Rope Bleaching Range





Continuous Multi Chamber Open Cum Rope Washing Machine

The open cum rope processing equipment that the market to offer so far has rather limited the application of this technology. This applies to both the process sequences and the fabric that could be treated.

The open cum rope processing is a technique that was used even before the arrival on the scene of modern continuous washing ranges. Whereas a few years ago the main concern was to conserve water and energy, with this new machine the main emphasis is on a wider range of application. In particular, the aim was to cater for those fabrics that could not be treated on conventional washing machines, owing to their tendency to crease e.g. closely woven fabrics.

Another major consideration was the further reduction of lengthways tension in the fabric. Nowadays, in knitted fabric finishing this is a very important point, with a view to reducing residual shrinkage.

In principle of open cum rope washing, all those fabrics that can be processed in rope form on conventional machines, e.g. circular knit fabrics made of cotton, cotton/polyamide, cotton / polyester, cotton/viscose, and cotton / viscose / polyester.

The new thing in this machine is that, it is also suitable for woven fabrics made of cotton, cotton / viscose, cotton / polyester or linen and can wash crease free.

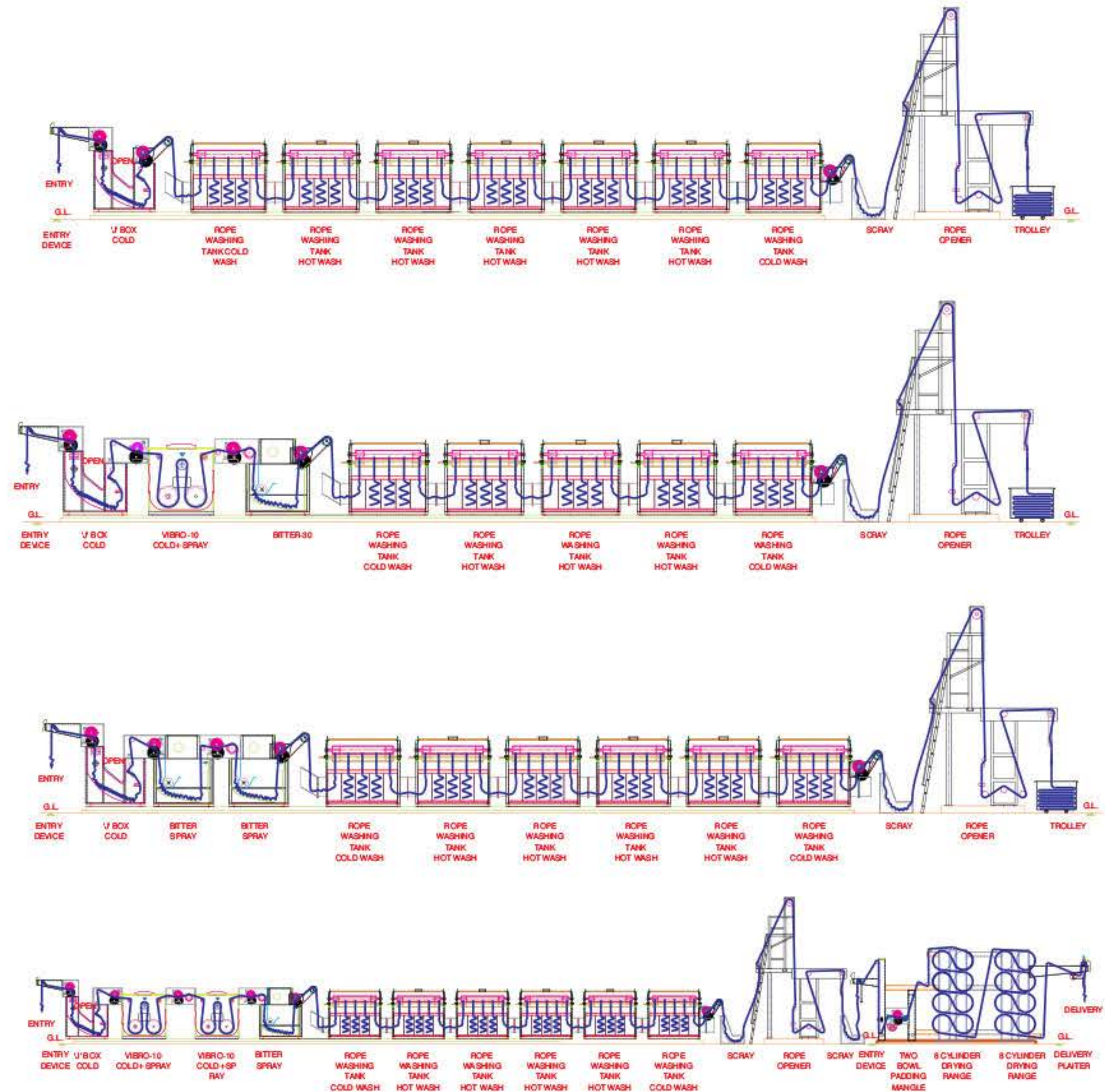
Here too the variable liquor flow system and individual temperature control provide the flexibility that is required for after print washing. In conjunction with open-width pretreatment and a downstream rope detwister, e.g. with open-width squeeze extraction, optimum results can be achieved in the after treatment of prints in just one passage.

Long dwell times, controlled temperature and liquor flow to suit individual requirement add up to high washing efficiency.

The new, stepless fabric loading controller, in conjunction with the individual drives for each section, ensures an optimum cloth run;

requisite dwell times are maintained constant and there is no danger of the fabric storage compartments running empty or being overloaded.

The machine can be operated with or without squeezing rollers, which are turned on as required, the pressure application being determined by the roller's own weight or by compressed air-assisted loading. This enables individual adjustment of the machine to suit the needs of various goods. When processing fabrics which crease easily, operation without squeezing rollers is possible up to certain speed limits.





Simple Advantages :

- Tailored to customer requirement
- High quality material solidly engineered
- Fabric guiding system controlled and synchronized
- Consequent counterflow and liquor circulation
- Effective washing results in the washing compartment

Optional :

- PH Valve Regulation
- With PLC Control
- Caustic lye concentrated with sensor
- AC Inverter drive for the complete range
- Automatic level controller in the tank

TECHNICAL DATA

Working width	1200 to 3200 mm 120 to 320 cm	Feeding Mode	Heavy Fabric - Single Layer Light Fabric - Double Layer
Roller width	1400 to 3500 mm 140 to 350 cm		
Fabrics	Cotton Woven Fabric		
Mercerizing Technology	Chainless - Hot Mercerizing	Fabric Speed	10 to 40 mtrs/min

Open Width Fabric Mercerizing Machine with Caustic Recovery Unit



Mercerizing is the treatment of cotton fabric with concentrated caustic soda under fabric tension. The objective is to achieve a high degree of mercerization thereby improving:

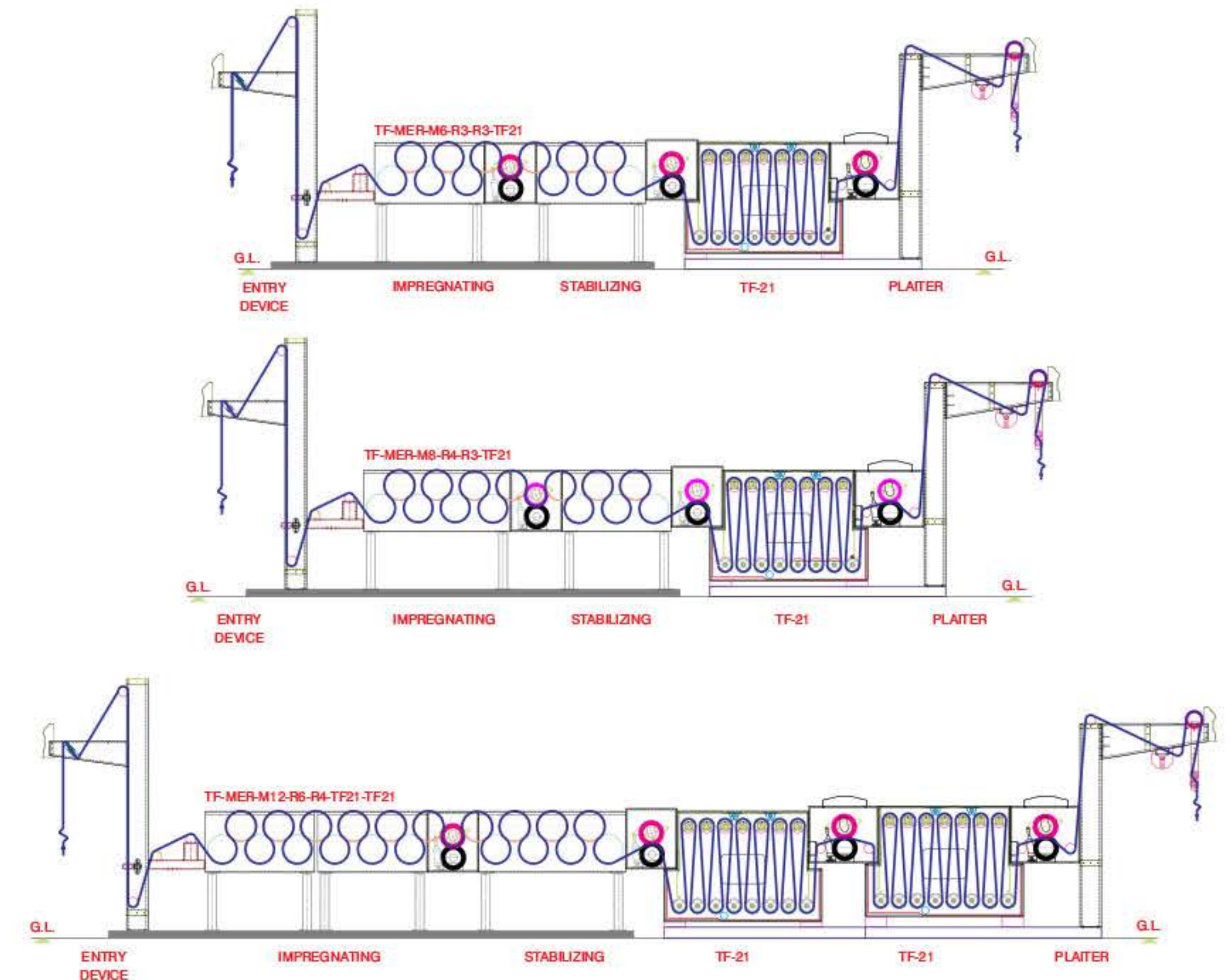
- Luster
- Dye uptake
- Tensile Strength
- Dimensional stability

Mercerizing is influenced by:

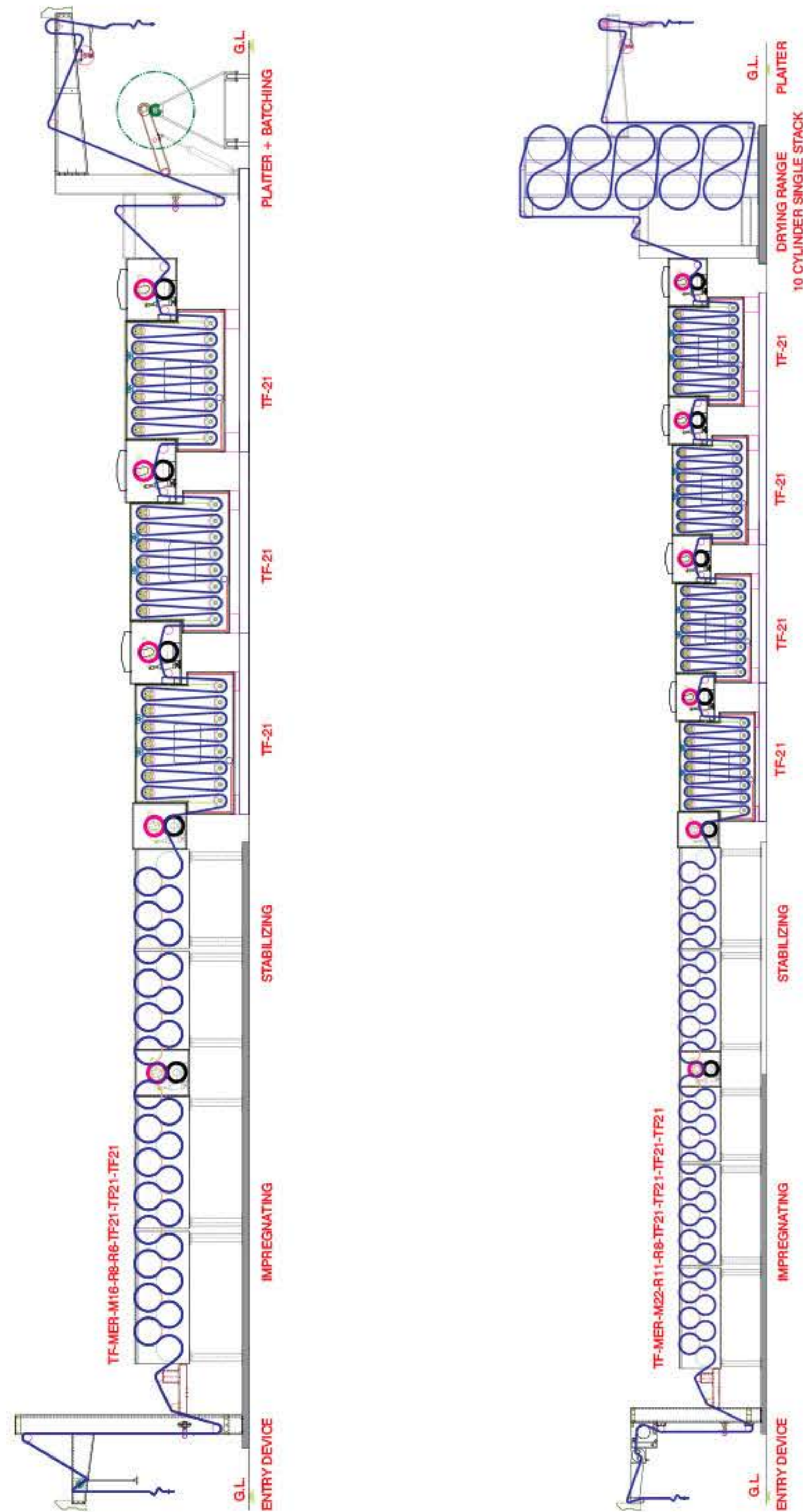
- Temperature - 60°C
- Time - 40 - 50 Sec
- Fabric Tension - to avoid width wise shrinkage
- Concentrated of Caustic Soda - 260 - 300g/L
L 48 - 52° Twaddle
28 - 30° Be

High entry device with proper tension and crease free passage of fabric feed to intensive impregnating zone is followed by the reaction zone.

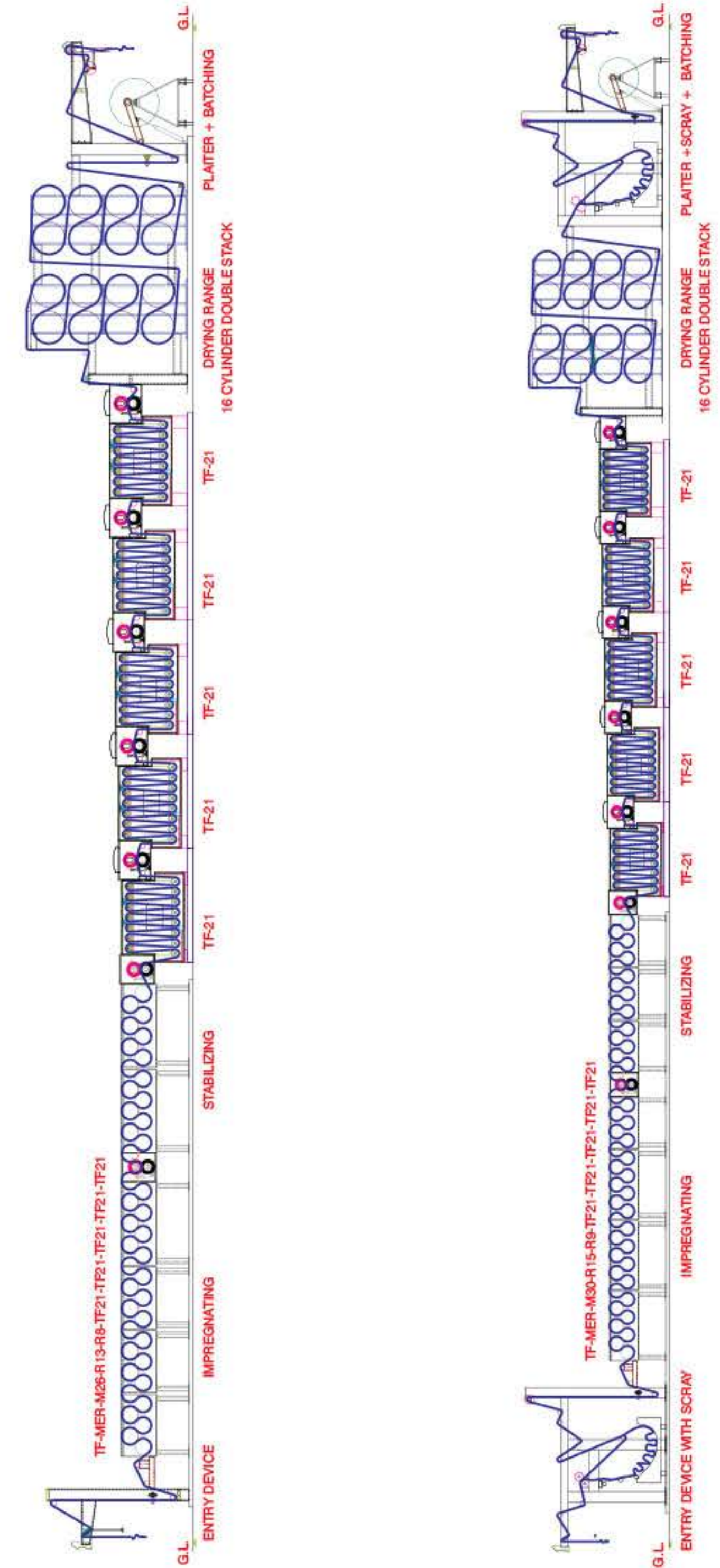
Highly effective stabilizing compartment. The final section comprises a highly efficiency washing and neutralizing zone.



Open Width Fabric Mercerizing Machine with Caustic Recovery Unit



Open Width Fabric Mercerizing Machine with Caustic Recovery Unit





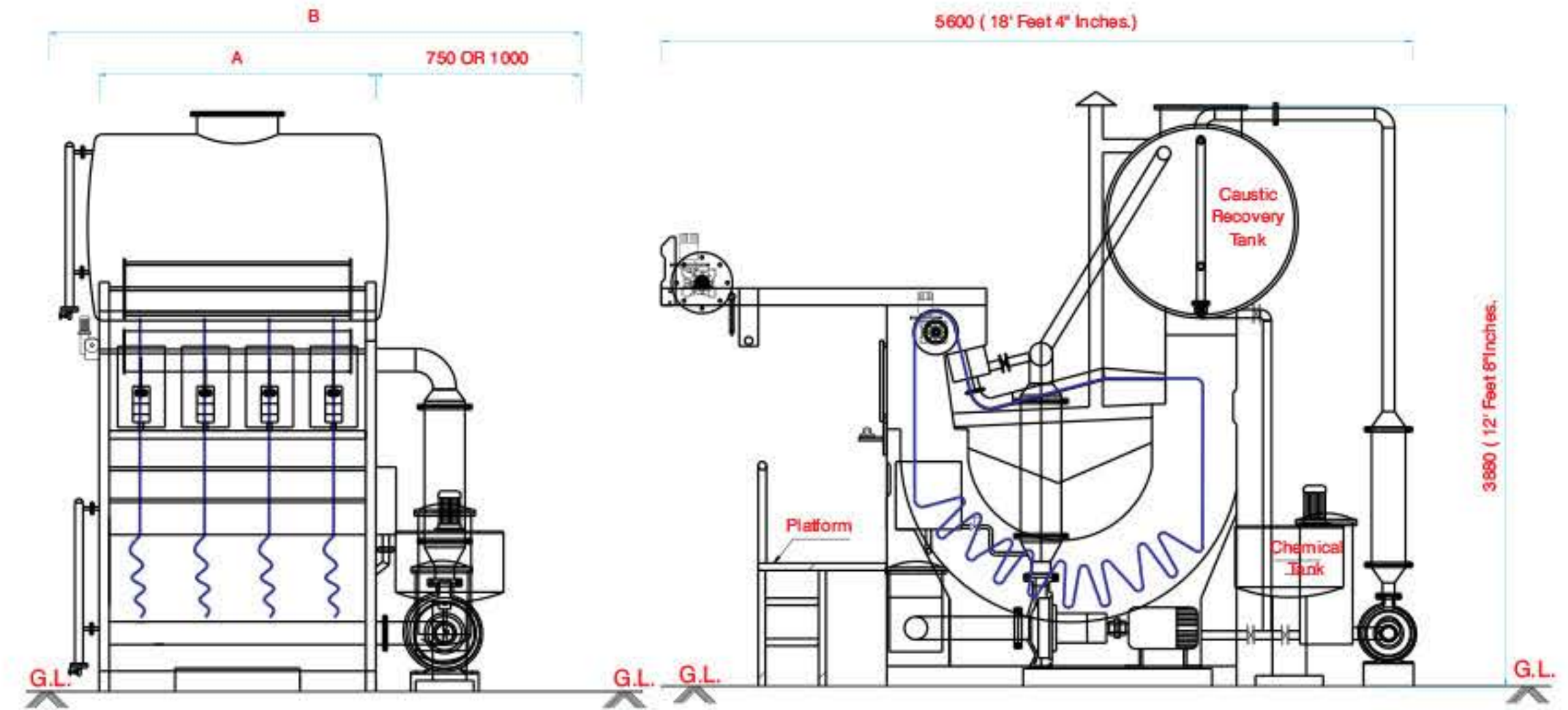
Terelena Caustic Soda Fabric Mercerizing Machine with Caustic Recovery Unit (Weight Reduction)

The TERELENA treatment and process are applicable to both textures and staple polyester. They permanently modify the physical character of the fiber by creating many micro-cavities which greatly increase the surface area and consequently the surface tension.

TERELENA is more than a simple process for improving drape, soft hand and achieving a silk like depth of luster. TERELENA treatment by extracting polyester from the surface of the fiber to form micro-cavities causes a reduction of fabric weight. The purpose of our TERELENA UNIT is to add quality and value to polyester fabrics. To achieve comfort, soft hand, drape,

transpiration, soil-release effect, electrostatic conductivity, moisture absorbency, elimination of synthetic fiber-gloss complete uniformity and repeatability with auto system, simplicity of operation full control of the parameters which influence the process (with PLC machines only). Saving of dyestuff in subsequent processing, increased penetration of printing paste, improves response to sueding or raising.

The technician operating the system can set the parameters values which provide the complete uniformity, reproducibility of the TERELENA process namely a bath concentration, absorption of alkaline solution, reaction temperature, reaction time and fabric characteristics.



TECHNICAL DATA

SUBJECT TO KIND OF FABRIC

MODEL	UNIT	TWR-II 400	TWR-III 600	TRW-IV 800	TWR-VI 1200
Fabric loading capacity upto - For Dress	kg.	300 - 400	500 - 600	700 - 800	1000 - 1200
Fabric loading capacity upto - For Suiting	kg.	250 - 300	375 - 450	500 - 600	750 - 900
Liquor capacity min - max.	litre	875 - 1400	1300 - 2100	1750 - 2800	2600 - 4200
Steam consumption min. - max.	kg/batch	50 - 80	75 - 120	100 - 165	150 - 245
Cooling water consumption min. - max.	litre/batch	360 - 580	540 - 875	730 - 1150	1050 - 1750
Electric connected load - For Dress	kw / hp	9.37 / 12.5	12.75 / 17	16.5 / 22	21 / 28
Electric connected load - For Suiting	kw / hp	14.25 / 19	16.5 / 22	24.75 / 33	39 / 52
Recovery tank capacity	litre	1600	2400	3200	4800
Max. operating temp.	°C	98	98	98	98
Fabric speed upto	mtrs / min	250	250	250	250
Heating rate 70°C - 98°C at 5 bar saturated steam	min	15	20	25	30
Cooling rate 98°C - 50°C water pressure at 1 bar	min	15	20	25	30
Cooling / heating method		Indirect	Indirect	Indirect	Indirect

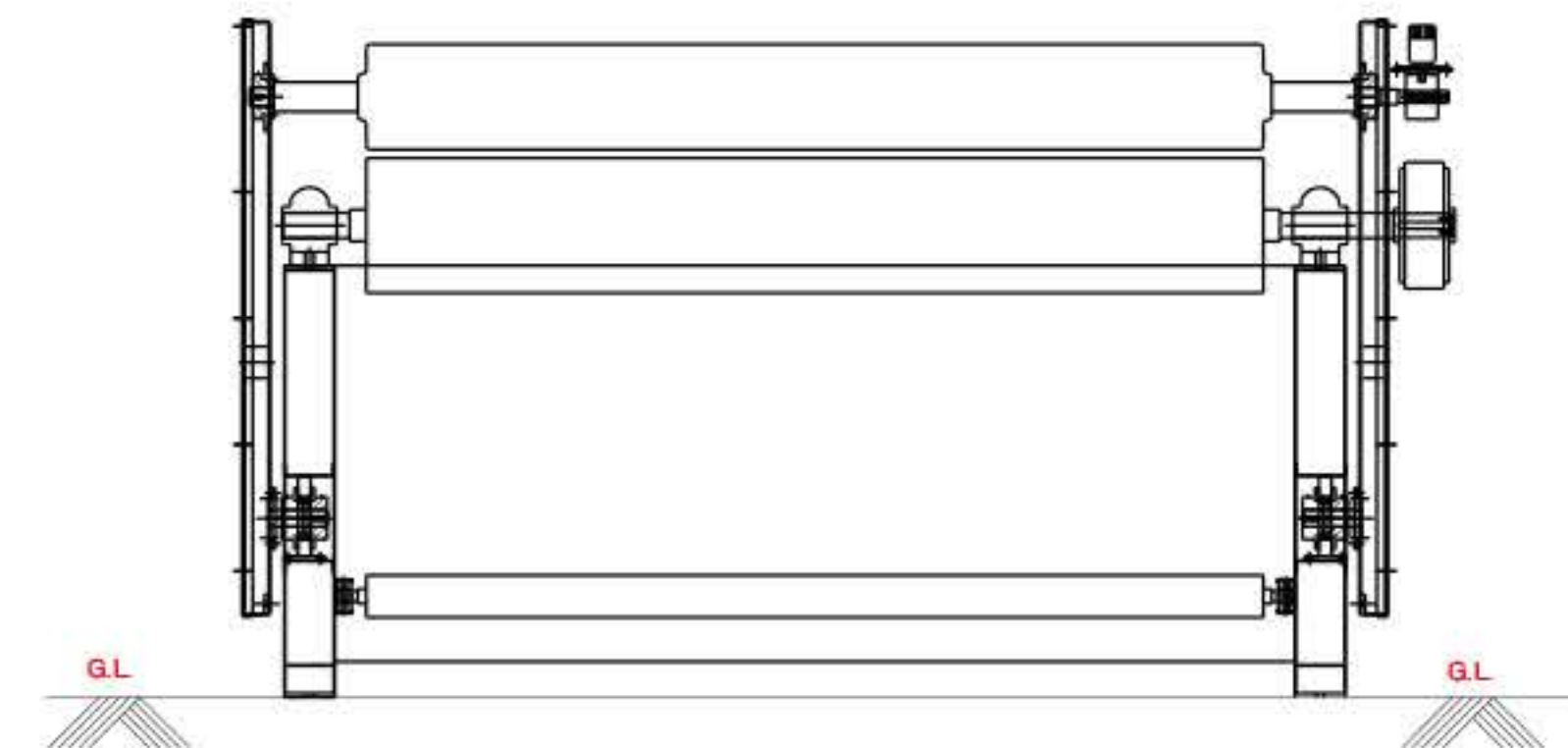
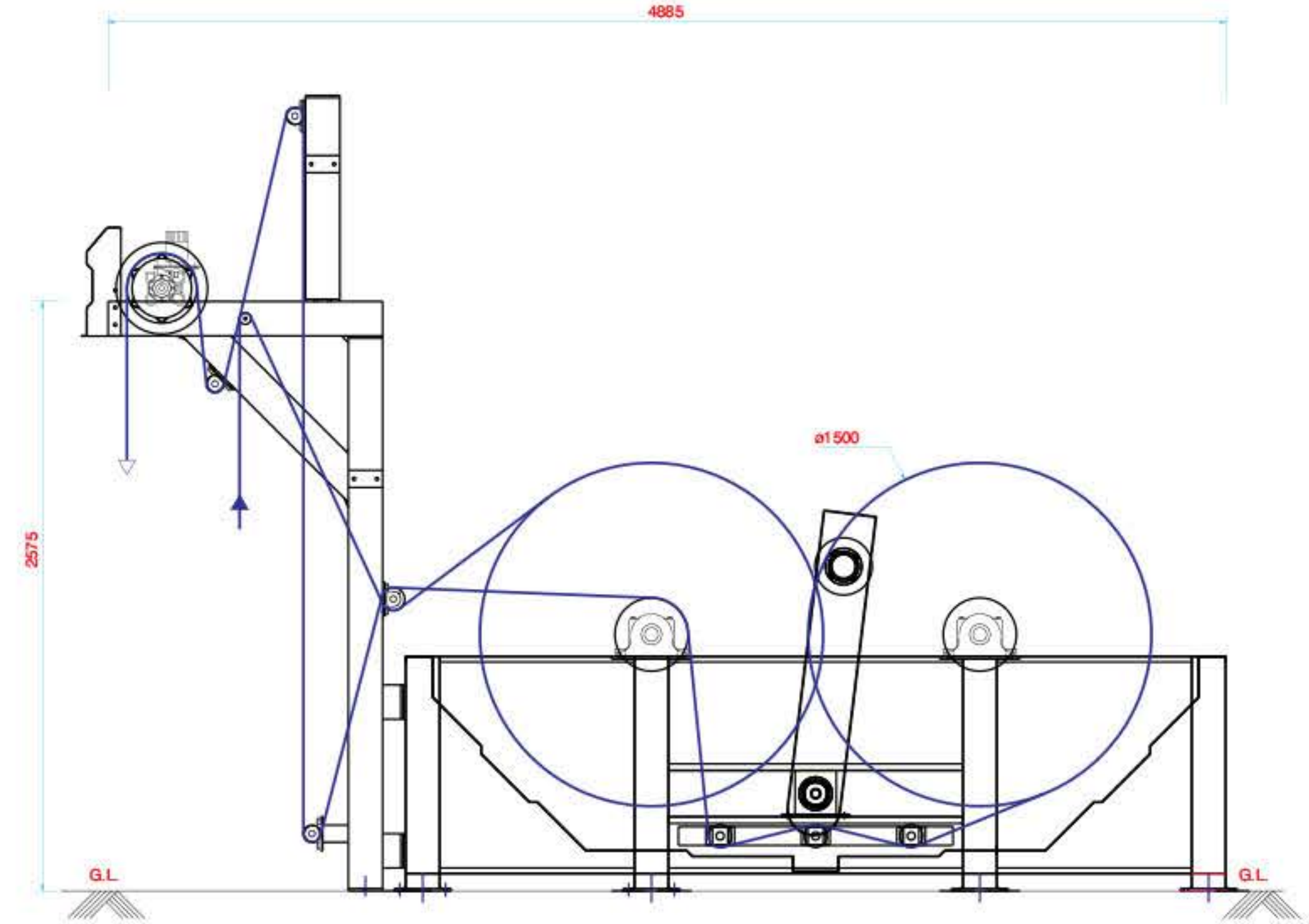
FLOOR SPACE REQUIRED

Length	mm	5600	5600	5600	5600
Vessel width (A)	mm	1070	1540	2020	2960
Total width (B)	mm	2420	2890	3620	4560
Height	mm	3880	3880	3880	3880

We reserve the right to change the dimensions / specifications without any notice

All dimensions are in mm

GL = Ground Level



Open Width Scouring and Bleaching Jigger - JT-10

'TEXFAB' Open Width Scouring and Bleaching Jigger JT-10 is made out of stainless steel of heavy gauge, using supporting structure is also of stainless steel. The design of tank is built in such a way that it reduces the liquor ratio. Both main roll is of dia 320 mm made of heavy mild steel pipe duly clad with stainless steel running on heavy duty ball bearing. Squeezing roll is made of heavy duty mild steel pipe of 250 mm dia coated with special rubber driven through direct mounting gear box and AC motor control through AC inverter. Entry and delivery wall fabricated with

mild steel duly powder coated using direct shaft mounting gear motor for unloading winch. All guide roll on entry box is of ebonite coated and stainless steel guide roll for main tank, direct heating S.S. coil is used with pneumatic control valve, a dosing tank with spray pipe and valve.

Available fabric width of 48" to 132" (1220 mm to 3350 mm).

Optional: S.S. circulation pump with motor
S.S. external heat exchanger



HTHP 'O' Tube Soft to High Flow Universal Fabric Dyeing Machine

'TEXFAB' Soft to High Flow Fabric Dyeing Machine / Scouring Machine is laid out for the dyeing of light and heavy knitted fabric of cotton polyester and its blends and also suitable for scouring of light cotton woven fabric and also for terry towel.

Soft Flow Dyeing Machine offers new kind of technical advantage with regards to process times, total energy consumption and fabric appearance.

Liquor ratio starts with 1:5 for polyester and 1:6 for cotton. Soft nozzle and penetration pipe have been especially conceived for mild surface treatment of the material to be dyed.

The special full-flooded nozzle can be use from 40 mm to 200mm diameter.

Rapid heating and cooling, overflow rinse and pump to drain.

Power clean, highly efficient spray system for boil out for machine cleaning.

Excellent results are achieved in very short process to complete one turn, as one basket holding capacity is 150kg of fabric.

Lifter reel driven by frequency inverter controlled motor, for fabric speed upto 300 mtrs /min. subject to quality of fabric.

Heavy duty stainless steel centrifugal pump for optional dye liquor circulation. Thanks to turbo pump which consumes less power and high discharge of liquor.

Pressure vessel and all wet parts of machine are fabricated from stainless steel AISI 316 / 316L highly corrosion resistance.

All flanges, plaiter, take off roller is made out of stainless steel 304.

Bigger capacity colour kitchen tank is available with stirrer and valves.

All safety devices required for a pressure vessel are incorporated with the machine.

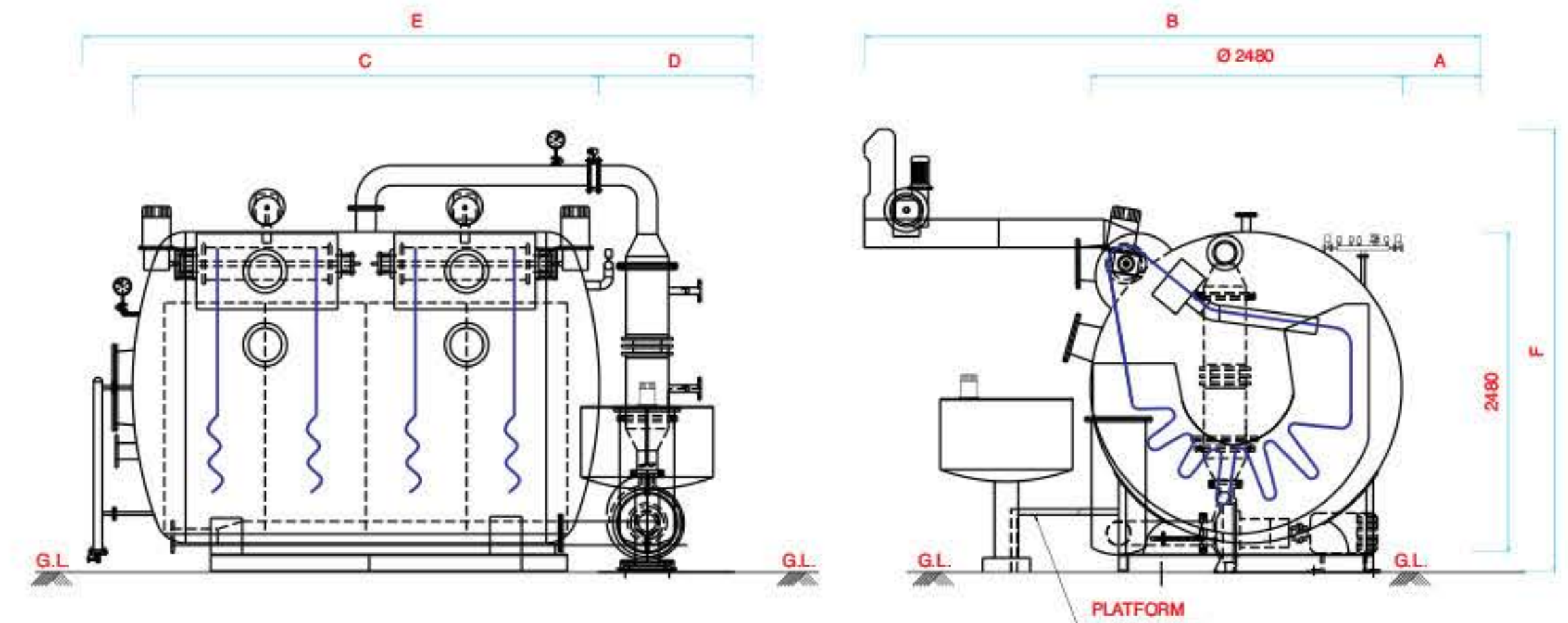
Magnetic level indicator with duly calibrated in terms of liter.

Outer finish Shot Blasted.

Optional: Feed pump to colour kitchen tank

Seam Detector

Fully automatic device with PLC and Pneumatic Operated Control Values



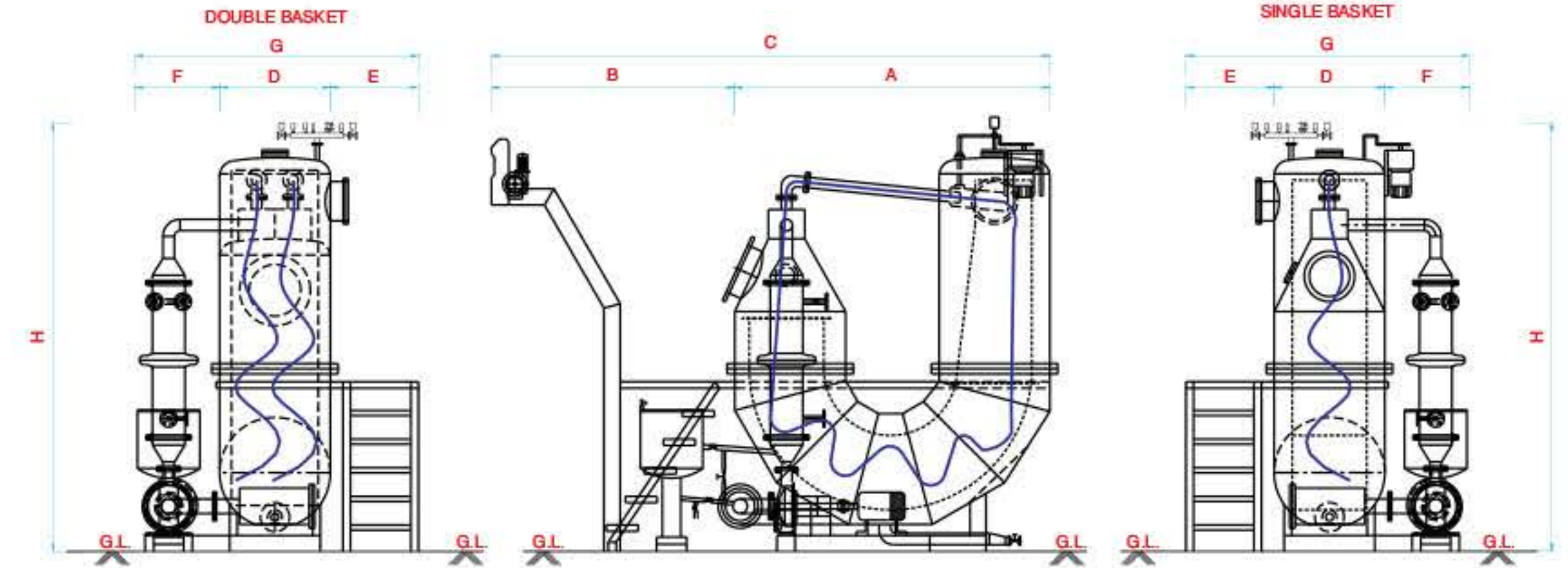
TECHNICAL DATA

SUBJECT TO KIND OF FABRIC

MODEL	UNIT	TOT 25-I	TOT 25-II	TOT 25-III	TOT 25-IV	TOT 25-VI	TOT 25-VIII
Fabric loading capacity upto	kgs	150	300	450	600	900	1200
No. of tubes	tubes	1	2	3	4	6	8
Pressure vessel diameter	mm	2480	2480	2480	2480	2480	2480
Liquor ratio (1:5 - 1:6)	litres	750 - 900	1500 - 1800	2250 - 2700	3000 - 3600	4500 - 5400	6000 - 7200
CONNECTED POWER							
Main pump motor	hp	5	7.5	10	20	25	30
Lifter reel motor	hp	1 x 1	1.5 x 1	1 x 1 & 1.5 x 1	1.5 x 2	1.5 x 3	1.5 x 4
Take of reel motor	hp	1	1	2	2	2 x 1 / 1 x 1	2 x 2
Pilling motor	hp	1 x 1	1 x 1	1 x 1	1 x 2	1 x 2	1 x 3
Max. working temp.	°C	130	130	130	130	130	130
Max. working pressure	kg/cm ²	3	3	3	3	3	3
Heating time (average) 30°C - 130°C	min	30	30	45	60	75	90
Cooling time (average) 130°C - 85°C	min	15	15	20	40	45	60
Steam pressure required	kg/cm ²	5	5	5	5	5	5
Water pressure required	kg/cm ²	1	1	1	1	1	1
Fabric speed upto	mtrs/min	300	300	300	300	300	300
FLOOR SPACE REQUIRED							
Extra space on back (A)	mm	300	300	300	300	1100	1100
Total length (B)	mm	4380	4380	4380	4380	5180	5180
Vessel width (C)	mm	1200	1900	2650	3300	4850	6250
Drive side (D)	mm	1100	1130	1500	1500	1500	1500
Total width (E)	mm	3000	3900	4850	5500	7050	8450
Total height (F)	mm	3110	3110	3110	3110	3290	3110

We reserve the right to change the dimensions/ specifications without any notice

All dimensions are in mm GL = Ground Level



HTHP 'U' Tube Fabric Dyeing Machine

Machine pressure vessel and major wet parts are fabricated out of stainless steel AISI 316/316L highly corrosion resistant material.

Heavy duty stainless steel centrifugal pump for optional dye liquor circulation.

Highly efficient heat exchanger for fast heating and cooling.

One stainless steel filtering device placed in such a way for easy cleaning. One unique design of jet nozzle can provide high discharge of liquor with subsequent pressure to ensure fast movement of fabric transport upto 300 mtrs/min and the speed of fabric can be adjusted, required to desired quality.

A mirror polished fabric transport perforated basket for easy trouble free movement of fabric from back to the front of machine. The perforated basket fabricated in such a way that the welded part does not come in contact with the fabric.

For preparing chemical, color kitchen tank is made out of stainless steel 316, and is provided with required values for dozing.

All valves are made of investment casting and stainless steel 316.

Electrical control panel with microprocessors to operate the machine is provided with pneumatic control circuits.

Magnetic level indicator duly calibrated for correct liquor measurement.

Take off reel with direct couple geared motor and stainless steel structure.

All safety device required for a pressure vessel is incorporated with the machine.

- Optional :**
- Feed pump to colour kitchen tank
 - Seam Detector
 - Fully automatic device with PLC and Pneumatic Operated Control Values

TECHNICAL DATA

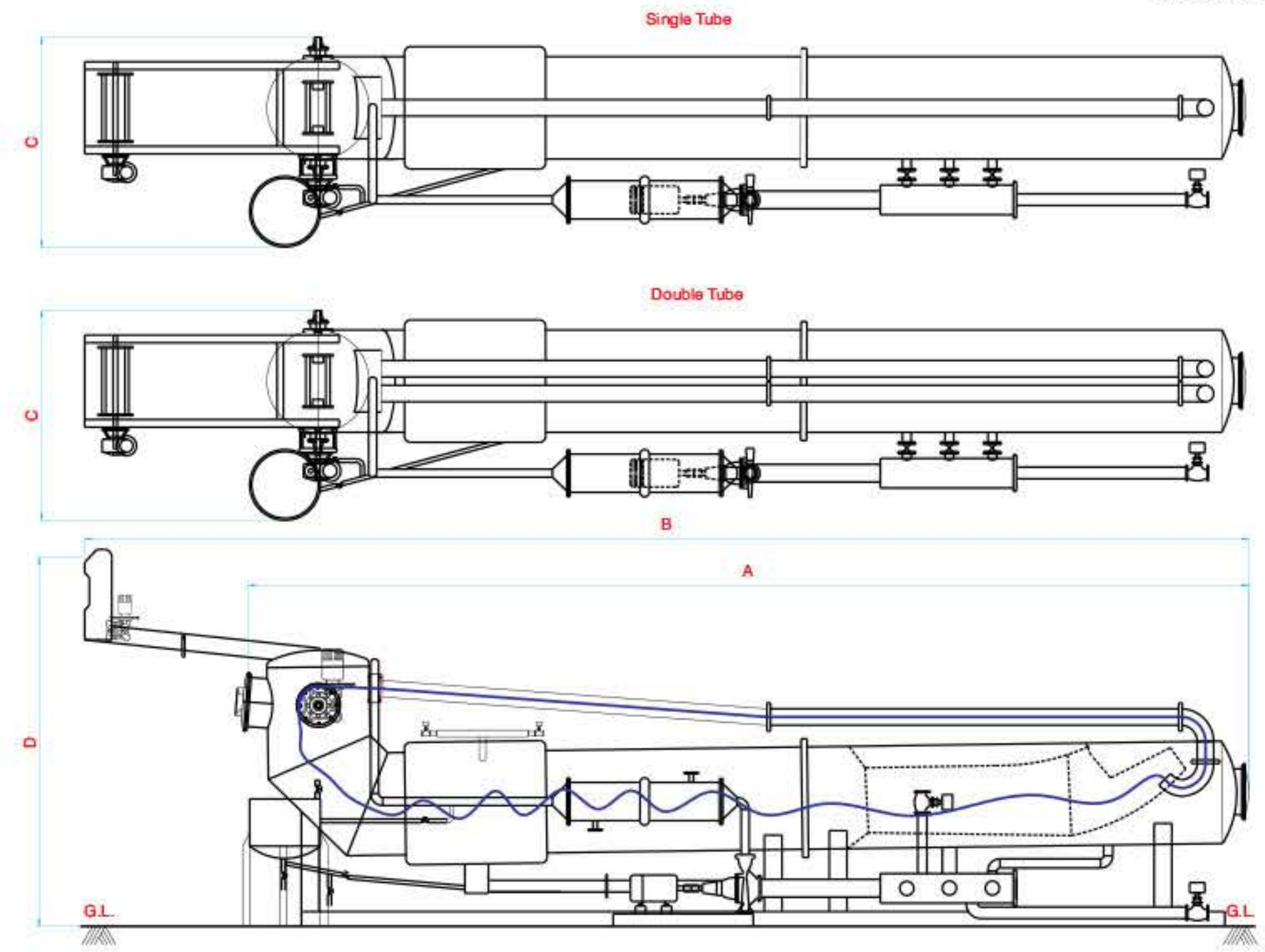
SUBJECT TO KIND OF FABRIC

MODEL	UNIT	TUT - 50	TUT - 100	TUT - 150	TUT - 250	TUT - 300	TUT - 350	TUT - 250 x 2
Fabric loading capacity upto	kgs	50	100	150	250	300	350	500
Pressure vessel diameter	mm	600	700	870	935	955	1040	1100
Liquore ratio (1:3.5)	litres	300	400	525	875	1050	1225	1750
CONNECTED POWER								
Main pump motor	hp	7.5	7.5	10	10	10	12.5	15
Take of reel motor	hp	0.5	0.5	0.5	0.5	0.5	0.5	1
Pilling motor	hp	0	0	0.5	0.5	0.5	0.5	0
Max. working temp.	°C	130	130	130	130	130	130	130
Max. working pressure	kg/cm ²	3	3	3	3	3	3	3
Heating time (average) 30°C - 130°C	min	25	30	30	40	45	50	60
Cooling time (average) 130°C - 85°C	min	15	15	15	25	25	30	40
Steam pressure required	kg/cm ²	5	5	5	5	5	5	5
Water pressure required	kg/cm ²	1	1	1	1	1	1	1
Fabric speed upto	mtrs/min	300	300	300	300	300	300	300
FLOOR SPACE REQUIRED								
Vessel length (A)	mm	1800	2300	2470	2535	2655	2720	3000
Plate length (B)	mm	1500	1500	1960	1960	1960	1960	1960
Total length (C)	mm	3300	3800	4430	4495	4615	4680	4960
Vessel dia (D)	mm	600	700	870	935	955	1040	1100
Platform side (E)	mm	600	840	840	840	840	840	840
Drive side (F)	mm	500	625	625	625	625	625	625
Total width (G)	mm	1700	2165	2335	2400	2420	2505	2565
Total height (H)	mm	2975	3100	3425	3425	3825	3925	3905

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All dimensions are in mm

GL = Ground Level



HTHP Long Tube Soft to High Flow Universal Fabric Dyeing Machine - Tope Tube

'TEXFAB' H.T.H.P Long Tube Soft to High Flow Universal Fabric Dyeing / Scouring Machine is widely accepted because of its excellent and technical up-gradation.

Newly developed soft to high flow dyeing machine is suitable for light to heavy synthetic and cotton, knitted and woven fabric.

Innovative chamber design and dynamic liquor circulation system allows fabric speed upto 450 mtrs/min.

Innovative Soft to High Flow Nozzle ensures voluminous liquor interchange while avoiding twisting and pilling effect.

The special full-flooded nozzle adds advantage to this machine and can set in four different adjustable gapes. The nozzle pressure can be set right from 0.5 kg/cm² to 2.5 kg/cm², further water flow can also be adjust through pump which drive through motor driven with AC inverter. By using this special designed nozzle machine becomes universal. Same machine can be fitted with seven different size of nozzle Ø40, Ø65, Ø85, Ø95, Ø115, Ø130 upto 300 GSM - Ø 110 mm and 350 to 500 GSM - Ø 146 mm. Machine can dye different type of fabric: light to heavy, knitted to woven.

Overflow rinsing system which shortens rinsing time and saves water usage.

Heavy duty stainless steel centrifugal pump for optional dye liquor circulation. Thanks to turbo pump which consumes less power and high discharge of liquor.

Highly efficient heat exchanger to ensure the shortest possible dyeing cycle with fast heating and cooling.

Pressure vessel and all wet parts of machine made of stainless steel AISI316/316L highly corrosive resistance.

All flanges, plaiter, take off roller is made out of stainless steel 304.

Bigger capacity colour kitchen tank is available with stirrer and valves.

All safety devices required for a pressure vessel are incorporated with the machine.

Magnetic level indicator with duly calibrated in terms of litter.

Outer finish Shot Blasted.

- Optional:**
- Feed pump to colour kitchen tank
 - Seam Detector
 - Fully automatic device with PLC and Pneumatic Operated Control Values

TECHNICAL DATA

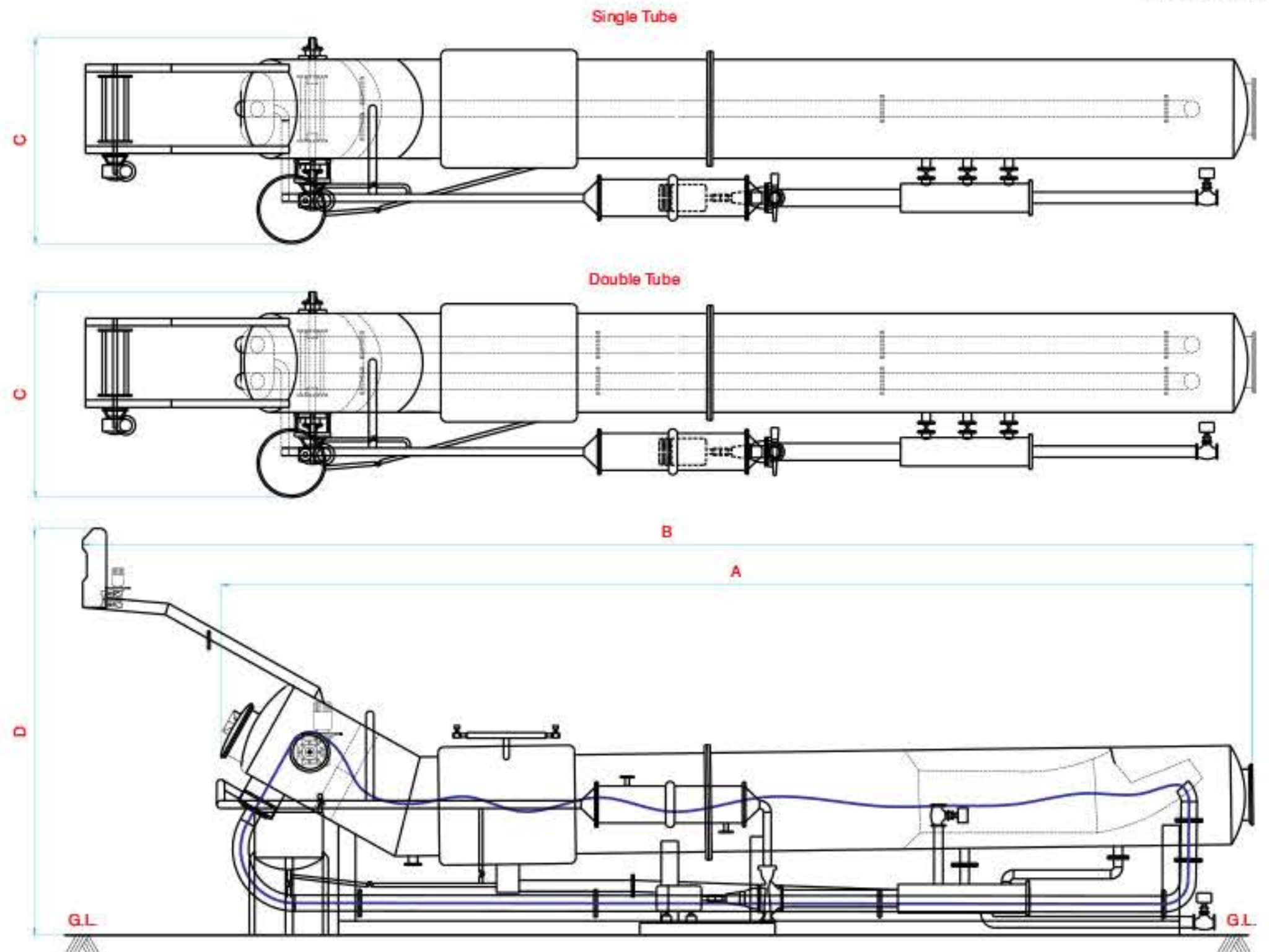
SUBJECT TO KIND OF FABRIC

MODEL	UNIT	TLTSHF-100	TLTSHF-150	TLTSHF-200	TLTSHF-250	TLTSHF-300	TLTSHF-400	TLTSHF-500	
Fabric loading capacity upto	kgs	100	150	200	125 x 2	150 X 2	200 X 2	250 X 2	
No. of tubes	tubes	1	1	1	2	2	2	2	
Pressure vessel diameter	mm	600	600	600	935	935	935	935	
Liquor ratio (1:5)	litres	600	750	1000	1250	1500	2000	2500	
CONNECTED POWER									
Main pump motor	hp	15	20	20	25	25	25	30	
Lifter reel motor	hp	1	1	1	2	2	2	2	
Take of reel motor	hp	1	1	1	1	1	1	1	
Max. working temp.	° C	130	130	130	130	130	130	130	
Max. working pressure	kg/cm ²	3	3	3	3	3	3	3	
Heating time (average) 30°C - 130°C	min	20	30	35	40	50	60	60	
Cooling time (average) 130°C - 85°C	min	10	20	20	25	30	35	35	
Steam pressure required	kg/cm ²	5	5	5	5	5	5	5	
Water pressure required	kg/cm ²	1	1	1	1	1	1	1	
Fabric speed upto	mtrs/min	425	425	425	425	425	425	425	
FLOOR SPACE REQUIRED									
Vessel length	(A)	mm	7500	8200	9200	7700	8200	9200	10500
Total length	(B)	mm	8800	9500	10500	9000	9500	10500	11800
Width	(C)	mm	1500	1500	1500	1700	1700	1800	1800
Height	(D)	mm	2925	2925	2925	3200	3200	3200	3200

We reserve the right to change the dimensions / specifications without any notice

All dimensions are in mm

GL = Ground Level



HTHP Long Tube High Flow Turbo Fabric Dyeing Machine - Bottom Tube

'TEXFAB' High Speed High Flow Turbo Fabric Dyeing Machine/Scouring Machine is widely accepted because of its excellent performance and technical up-gradation, for fabric dyeing of woven material especially those materials sensitive to create marks such as polyester micro fiber etc. It minimizes some resistance and friction coefficient under high-speed circulation of fabric by new concept of design on the body structure.

Lifter reel driven by frequency inverter controlled motor, for fabrics speed upto 550 mtrs / min.

Highly efficient heat exchanger is a companion to the high fabric speed to ensure the shortest possible dyeing cycle, with fast heating and cooling.

Heavy duty Stainless Steel centrifugal pump for optional dye liquor circulation. Thanks to turbo pump which consumes low power and high discharge of liquor.

Pressure vessel and all wet parts of machine made of stainless steel AISI316/316 highly corrosion resistant.

All flanges, plaiter, take off roller is made out of stainless steel 304.

Machine gives crimp effect as well as to realize soft touch and solid sense of materials to be dye.

Bigger capacity colour kitchen tank is available with stirrer and valves.

All safety devices required for a pressure vessel are incorporated with the machine.

Out finish shot blasted.

Magnetic level indicator with duly calibrated in terms of liter.

Reversing nozzle for tangling release system.

Optional : Feed pump to colour kitchen tank

Seam Detector

Fully automatic device with PLC and Pneumatic Operated Control Values

TECHNICAL DATA

SUBJECT TO KIND OF FABRIC

MODEL	UNIT	TTJ- I -150	TTJ- I - 200	TTJ- II - 300	TTJ- II - 400	TTJ- II - 500
Fabric loading capacity upto	kgs	150	200	150 x 2	200 x 2	250 x 2
No. of tubes	tubes	1	1	2	2	2
Pressure vessel diameter	mm	600	600	935	935	935
Liquor ratio (1:5)	litres	750	1000	1500	2000	2500
CONNECTED POWER						
Main pump motor	hp	20	20	25	25	30
Lifter reel motor	hp	1	1	2	2	2
Take of reel motor	hp	1	1	1	1	1
Max. working temp.	° C	135	135	135	135	135
Max. working pressure	kg/cm ²	3	3	3	3	3
Heating time (average) 30°C - 130°C	min	40	45	50	60	60
Cooling time (average) 130°C - 85°C	min	20	25	30	35	35
Steam pressure required	kg/cm ²	5	5	5	5	5
Water pressure required	kg/cm ²	1	1	1	1	1
Fabric speed upto	mtrs/min	450	450	450	450	450
FLOOR SPACE REQUIRED						
Vessel length (A)	mm	8700	9700	8800	9800	11000
Total length (B)	mm	10200	11200	10300	11300	12500
Width (C)	mm	1750	1750	2300	2300	2300
Height (D)	mm	3100	3100	3450	3450	3450

We reserve the right to change the dimensions / specifications without any notice

All dimensions are in mm

GL = Ground Level



2 Bowl or 3 Bowl Padding Mangle with Cylindrical Drying Range

2 Bowl Padding Mangle :

The frame of mangle is fabricated from heavy duty stainless steel. All fabricated part of mangle are shot blasted.

Squeezing roll are made of heavy duty mild steel pipe and covered with the best available rubber quality ranging from 75° shore hardness for intermediate upto 85° shore hardness for high extraction. This rubber is highly resistance to all chemicals commonly used in process, suitable pneumatic cylinder to give proper pressure through out the width of roller. Stainless steel trough with S.S. guide roll, rubber expander, a compensator, fabric passes through high entry for one dip one nip.

3 Bowl Padding Mangle :

All components are same as 2 Bowl except it content. 3 Bowl arrangements are all rubber roll, with an arrangement of two dip two nip process.

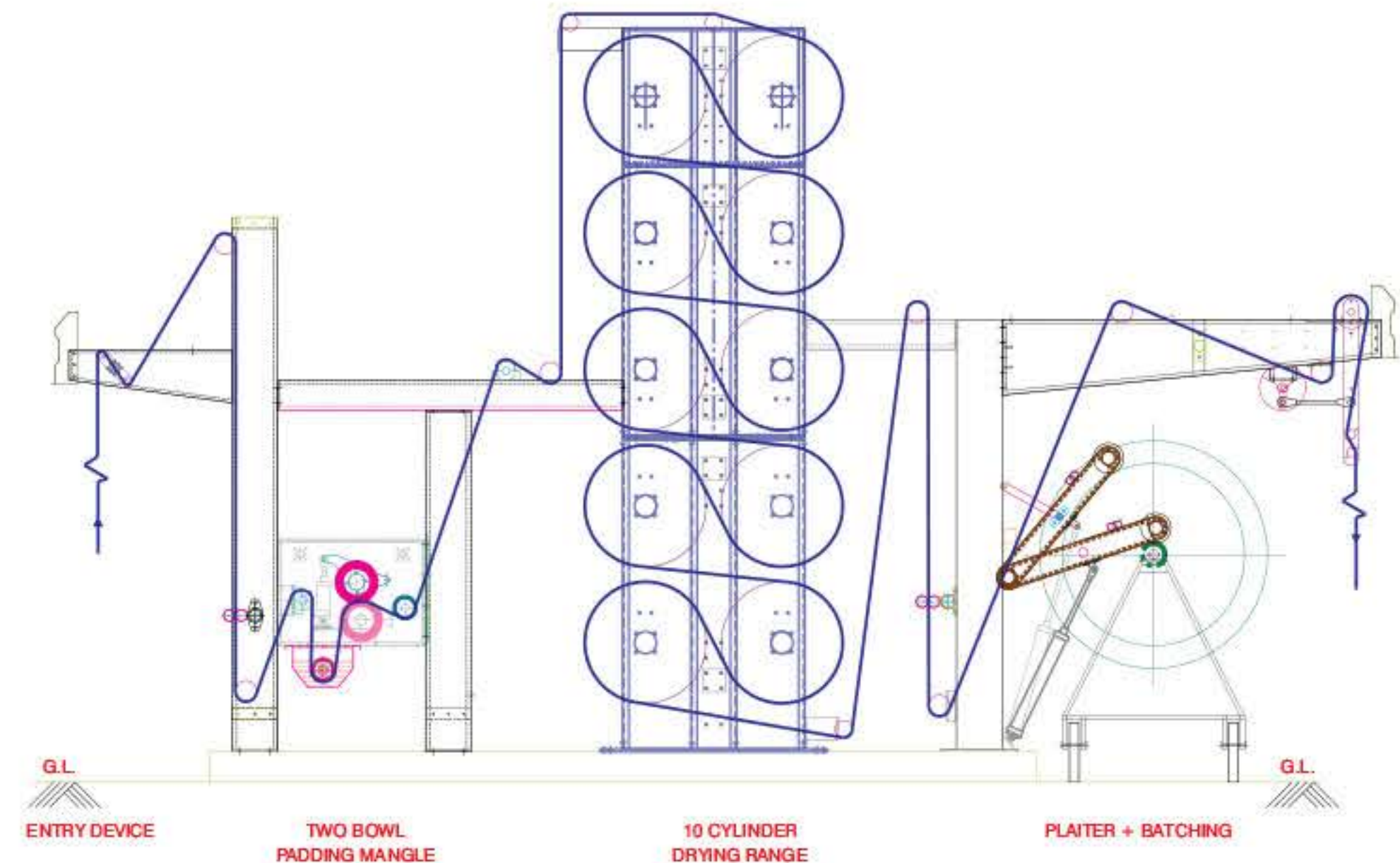
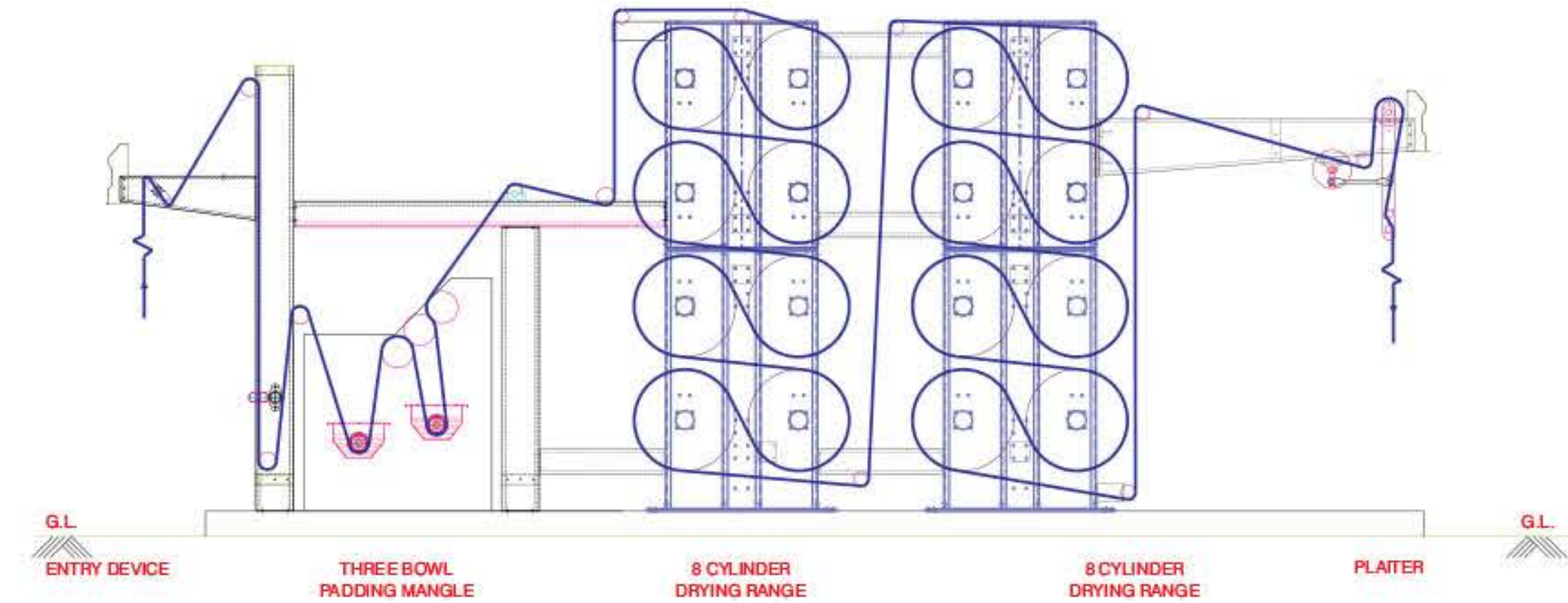
Cylindrical Drying Range

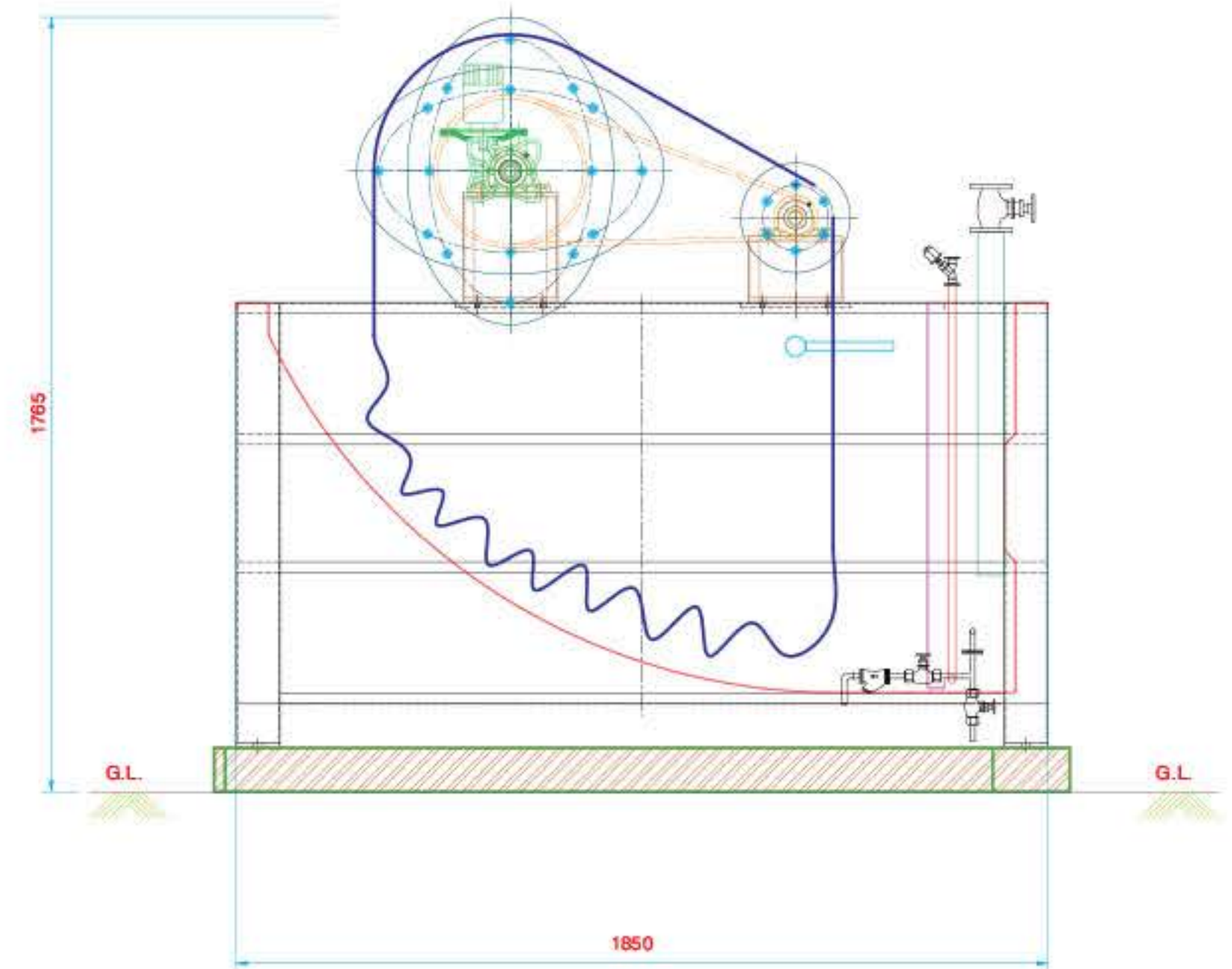
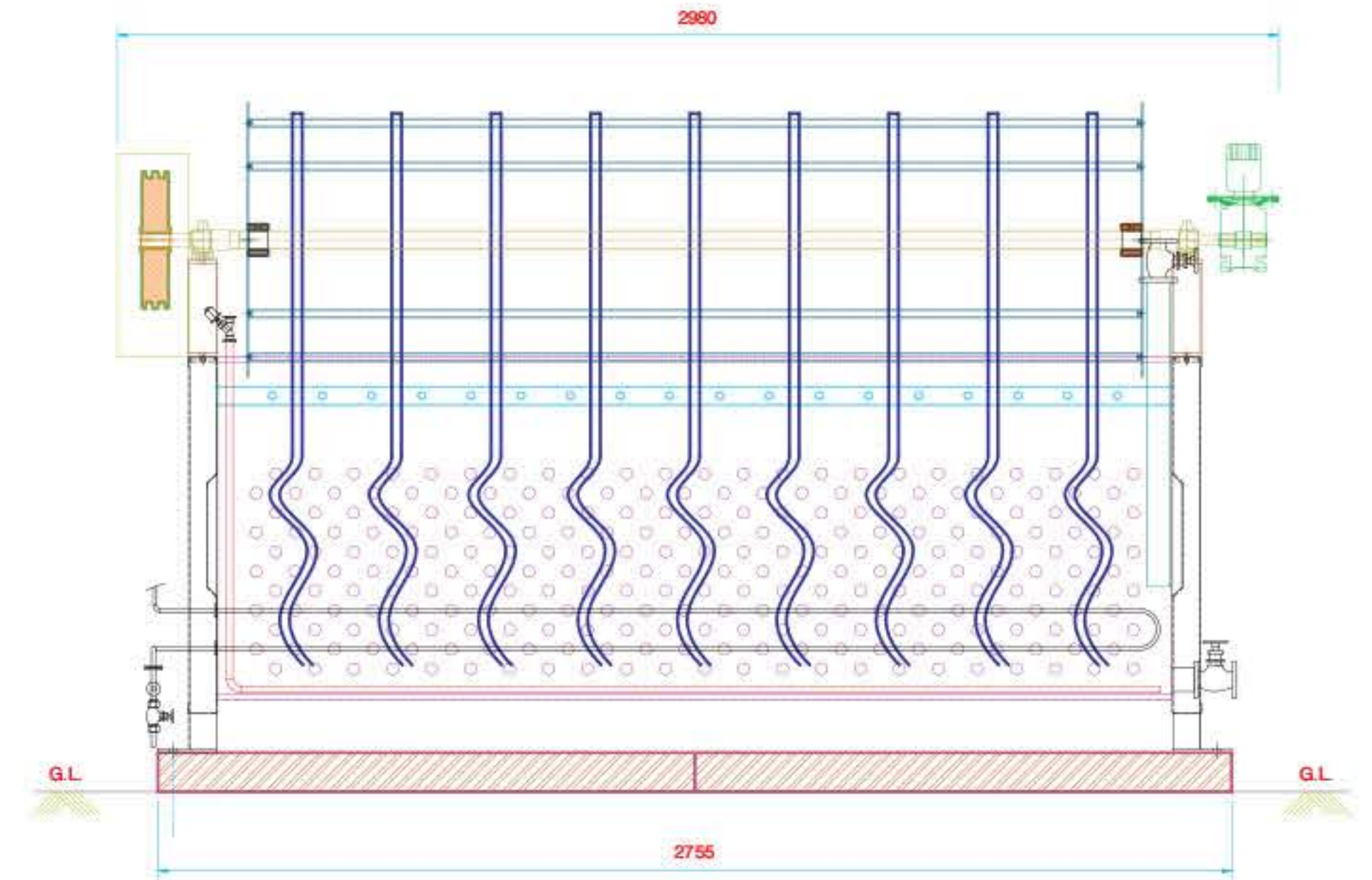
The frame of each stack consists of fabricated mild steel plates with interconnections. If machine consists of more than one stack, these are interconnected by means of fabricated frame.

For maximum drying capacity with minimum fabric tension, cylindrical drums with a dia meter of 800 mm, the cylinders have a finely polished surface and their sides are provided with inspection holes and vacuum valves. The journals run in special heat resistant bearings pedestals. Admissible working steam pressure is 3.5 bar, test pressure upto 5.25 bars. Each cylinder is fed through a rotary joint which feed the steam and condensate returns without any leakage. When a machine consists of more than one stack the steam distribution and condensate return pipes are interconnected.

The operation side of stack has a vertical steam distribution pipe with a T-piece at the upper end. This piece is connected to the steam supply and a safety device and steam trap at the bottom end.

Alternate cylinders driven through direct shaft mounted gear motor through AC inverter drive.





Open Cum Rope Washing Winch - Batch Type

Main Tank made of stainless steel 316 with supporting frame. Having a oval shape Winch driven through direct shaft mounting gear motor which is also of stainless steel 316, 2 bowl light weight pressure roll and a driven roll both are of rubber roll. Four set of tia bar to run the machine in rope form.

Maximum twelve ropes can run at a time, winch has its unloading Plaiter with positively driven winch to take out fabric. Washing winch have its own drain of 3" dia and water inlet and heating elements to take temperature upto 75°C, with temperature controller, water level indicator and chemical dozing tank with its valve.

Various Sample Dyeing / Steaming Machine



'O' Shape Sample Fabric Dyeing Machine
Capacity available is 25 & 50 Kg



Terelena Caustic Soda Fabric Mercerizing Machine with Caustic Recovery Unit
Capacity available is 50 Kg

Various Sample Dyeing / Steaming Machine



Mini Steam Age Machine
Capacity available is 2, 3 & Mtr.



Sample Bottom Tube Fabric Dyeing Machine
Capacity available is 10, 15, 20 & 25 Kgs



Garment Steamer



Sample Top Tube Fabric Dyeing Machine
Capacity available is 10, 15, 20 & 25 Kgs