

Estd 1990

KRSNA Group
CONCEPT TO REALITY

A perfect
**dyeing &
processing**
experience

KRSNA GROUP Textile Machinery Manufacturing Is First Generation Family Enterprises Made A Humble Beginning In Mumbai Apartment, By Technocrat Turned Entrepreneur VJTT Mumbai Graduate **Mr.M.D. Shah** (Fellow Institute Manchester UK) Krsna Engineering Works Move In 1990 To Present Location Of 2000 Square Yard Plot 45, GIDC Naroda, and Ahmadabad India. Well Response From Market For Krsna" Younger Brother P.D. Shah Joined At Initial Stage Followed With Young Techno Savy Family Members Helped Krsna Expanded Its Activities & Form New Venture Under Leadership Of **Mr. Chandresh Shah (Managing Director President Of The Indian Textile Accessories & Machinery Manufacture Association)** Business & Law Graduate With Help Of Uncle Mr. H.D. Shah Electrical Engineer Krsna Engimech Pvt. Ltd. B4, GIDC Phase 2, Naroda, Ahmedabad-328330.

Krsna As Group Completed 35 Years of Services to Textile Industries

At present krsna operates on 2000 square yard plot has 20000 square feet fully mechanized work shop & 5000 square feet office blocks & 1500 fully mechanized workshop at new site.

The company is being managed by Mr. Chandresh shah with help of younger brother Priyank Shah Management graduate Australia return under guidance of uncle H.D. Shah & P.D. Shah.

Krsna group being make in India Company equip with excellent design AutoCAD software with 2 full time design engineers.

- The workforce of 8 qualified engineers
- 10 skills & 15 semi skill & 5 unskilled workers

Under the new venture at Krsna Engimech Private Limited Intent to develop energy saving environ friendly continuous tensionless washing ranges bleaching ranges for hosiery / terry towel woven fabric 1st time in India.

Water Consumption On Normal Washing Range Is 50 To 60 liter Per Kgs of Fabric Krsna Design Bring It Down To 20 To 25 Liter Per Kg of Fabric & While Is In Multipurpose Rope Cbr Krsflow Water Consumption Will Be 10 To 15 Liter Water/Kilo Of Fabric From Gray To White.

MANUFACTURING PROGRAMME OF

KRSNA GROUP

- Krsna An Innovator Of Dyeing Technology Introduced 1st Time In India Soft/over Flow Dyeing Machines.
- 5 To 7 Soft Flow Dyeing Machines Fully Automatic Month Krsna Krantz Soft -flow Dyeing Machine.
- Krsna Continuous Open Width Washing Ranges For Knit Fabric & Woven
- Krsna Open Cum Rope Washing Range.
- Krsflow Continuous Rope Washing & Bleaching Range 1st Time In India
- Tumble Dryers For Woven & Knit Terry Towel
- Merceriser Mini & Regular

KRSNA GROUP CONCEPT TO REALITY

- Krsna With Its Zeal To Protect Environment Always Tried To Design Machineries To Save Water Chemical Energy.
- Krsna Range Of Soft-flow W & Other Textile Processing Machineries Fundamental Are Accuracy In Manufacturing Using Top Quality Materials. Krsna Ranges Of Machines Are Well Known For Reliability, Robust Construction & Ease In Operation.
- Krsna Gets 90% Repeat Order
- Krsna With Reinvent Obsession Could
- Introduce First Time In India
- Krsna Soft-flow Dyeing
- Krsflow Multipurpose Washing Cum Bleaching CBR
- Krsna Open Width Tensionless Vibro Drum Washer For Bio Wash & After Print Wash Of Knit Fabric

At Krsna We Adopted

Lean manufacturing completeness system & 5s +

- Safety Rules ,
- Sort
- Straightens
- Shine
- Standardisation

This system adoption helped in

- Mfg. Best Performing Machines
- Consistency In Quality
- Repeat Performance With Excellent Quality.
- Produce User Friendly Machines.
- Get 90% Repeat Order

Today Krsna is name to reckon with Krsna Operating All Over India & 23 Countries worldwide.

THE HIGHLIGHT OF MAKE IN INDIA EFFORTS AT BY KRSNA GROUP



Krsna Krantz Softflow Dyeing Machine 1st Time German Technology Made In India

First Indian manufacturer to offer atmospheric soft flow and high temperature soft flow in various capacity 5kg. To 2000kg.

First Indian manufacturer to offer sample soft flow atmospheric & high temperature 5kg to 50 kg. First Indian manufacturer of double nozzle long tube (twin nozzle) combination of soft flow & jet long tube soft flow

First Indian manufacturer of Krsflow continuous rope washing/bleaching range
This novel machine developed by the company is an import substitute & help to save water, energy, as well as dyes and chemicals

First manufacturer of soft flow dyeing machine from India displayed at international exhibition itme'99 Paris.

First manufacturer to export soft flow to MEXICO in south AMERICA in 1998

First universal Soft Flow Machine to dye all types of fabrics. Silk / Polyester / Cotton/Viscose /Lycra / Terry Towel / Knits /Woven / Loosely Woven Fabric & Blend .

First Indian manufacturer of DOUBLE Nozzle Long tube (TWIN Nozzle) The combination Of Soft Flow & Jet Long Tube Soft Flow

First and the ONLY manufacturer to offer Long Tube Soft Flow Designed to Process LIGHTER Fabric of 20metres/Kg. & Heavier Fabric 2 meters/kg. Variety Fabric.

More than 2500 Machine are in operation in India & 23 countries worldwide

Krsna Soft Flow Dyeing Machines are eco-friendly & greater market acceptance by all over India by the user industries.

Registered Member of Various National & International Organizations

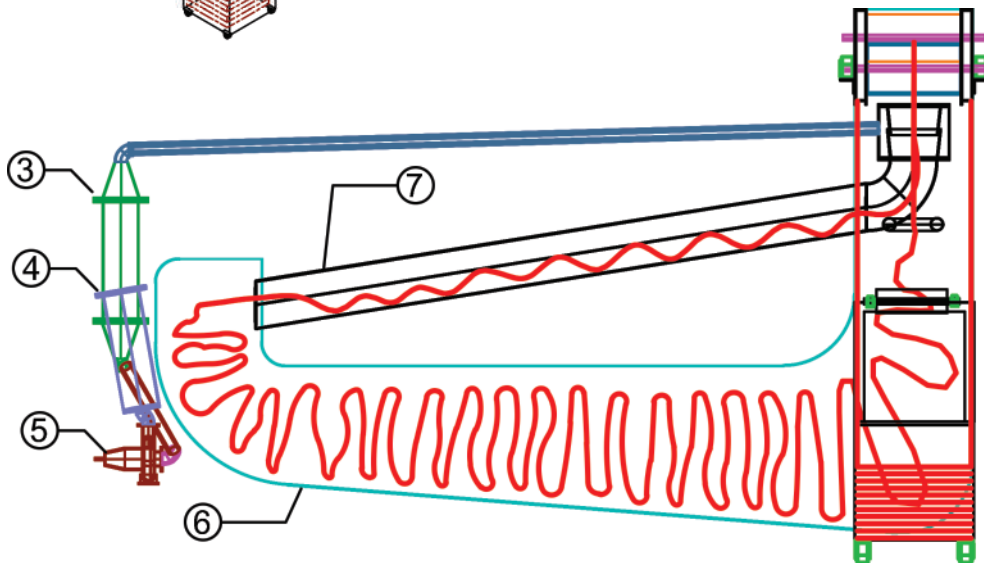
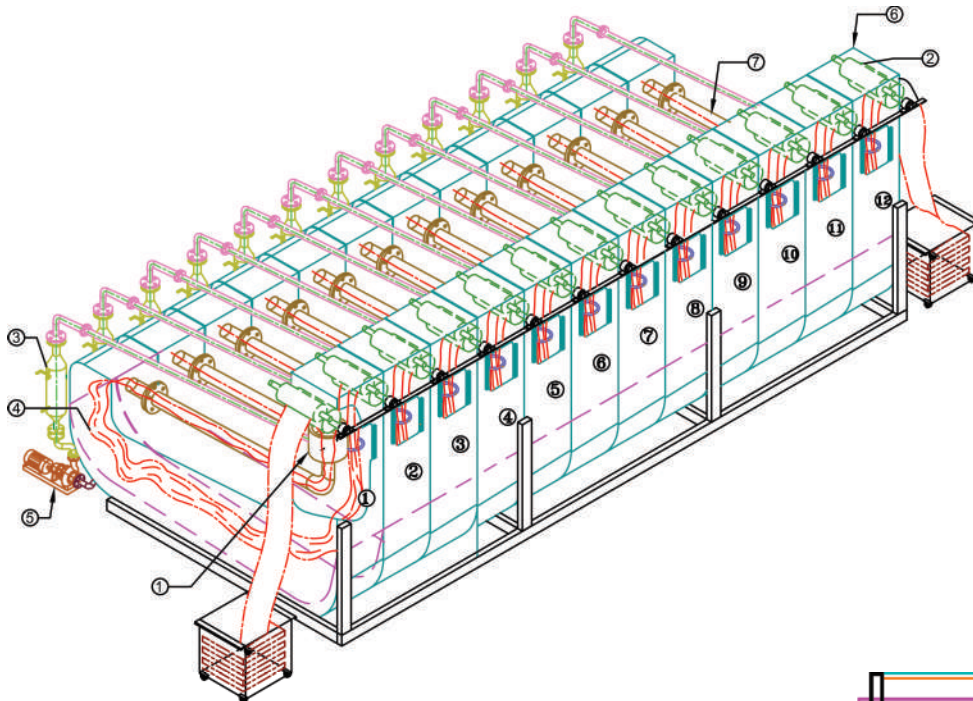
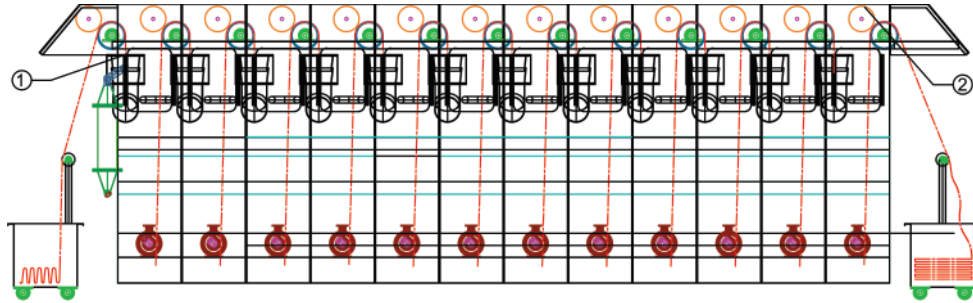


Mr. Mahesh D. Shah receiving the National Award for Small Scale Entrepreneurs for the year 1994 from the Hon'ble President of India, Dr. Shankar Dayal Sharma.

GLOBAL PRESENCE Exporting to more than 20 countries world wide since 1989 : Bangladesh, Chad, Colombia, Costa rica, Egypt, Ethiopia, Indonesia, Iran, Kenya, Mauritius, Mexico, Nepal, Nigeria, Peru, Philippines, Sri Lanka, Tanzania, Thailand, UAE, Uruguay, UK



KRSFLOW CONTINUOUS ROPE WASHING & BLEACHING RANGE



Special Features

Krsna group's tradition of solid design excellent manufacturing tradition help us to built this new concept of continuous washing/bleaching of all kind of textile in rope form like woven/ terry towel/knits— hosiery/loosely woven (woolly georgette chiffon).

Krsflow with unique features help to save water/save chemical/ save energy & help to protect environment.

Krsflow continuous rope washing & bleaching range krsna pioneer manufacturer of soft flow in India, with constant synergetic relation customer helped us to introduce the unique design, special purpose continuous rope bleaching range.

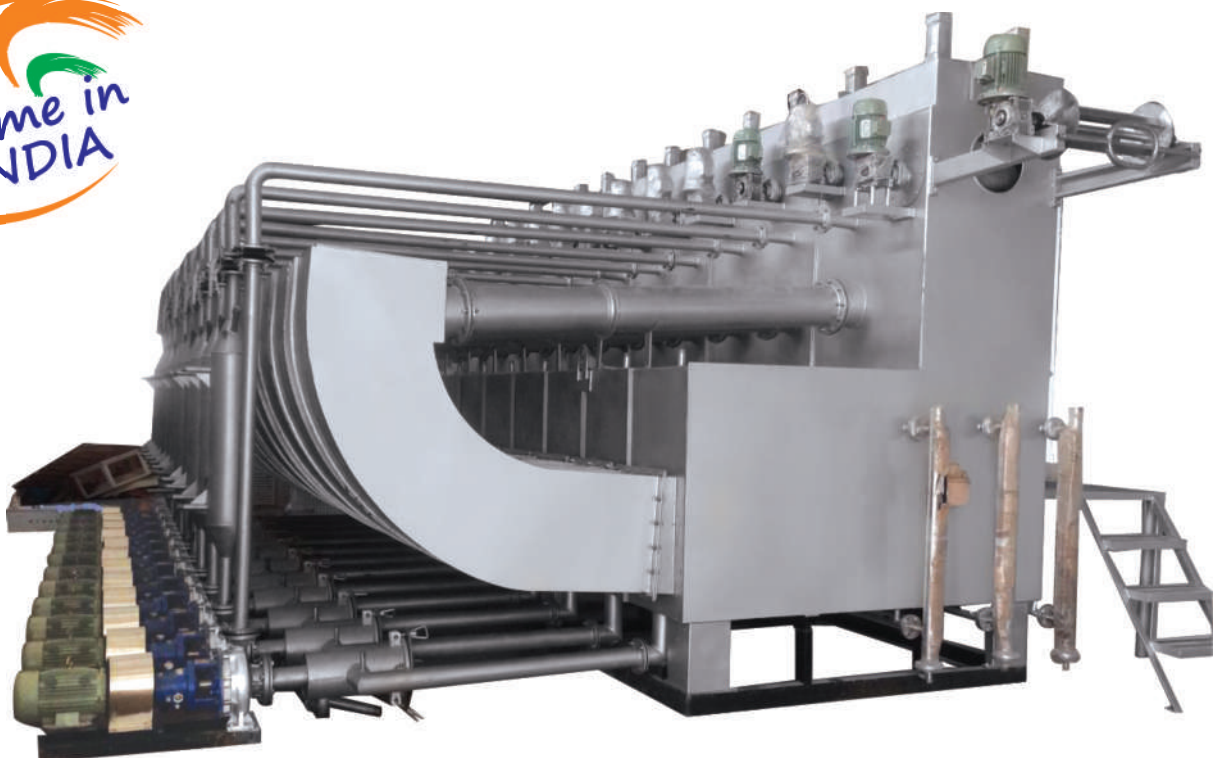
Krsflow continuous rope bleaching / scouring washing range

Krsflow continuous washing range encompasses all the principles of efficient washing. This range has an intelligent combination multi tube (few) soft flows running in tandem.

The fabric is being process in rope form with use of highly acclaimed krsflow (over flow) system the 8 to 16 soft flows process the fabric together to accelerate the process of after print fabric washing or scouting bleaching.

Actual working of krsflow processing on krsflow fabric enters 1st train (soft flow) through squeezer enters soft over flow section & being gently carried at rear side through transport tube on return path fabric is being squeezed in squeezer of next train (soft flow tube) & enters soft over flow section of next train & then gently pushes to rear side likewise cycle continue...

Fabric enters 1st soft flow section then enters second section of soft flow then continue to exit in last soft flow at working speed of 20 to 30 meters/minutes depends on quality of fabric. Water consumption: 1 kg of fabric needs 10 to 15 liter from gray to bleach.

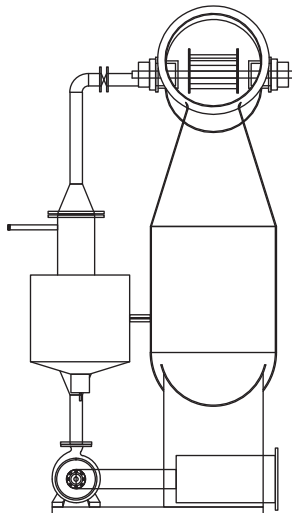
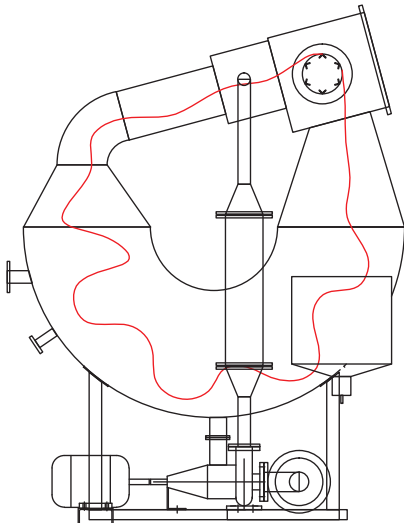


SAMPLE SOFT FLOW FOR ALL TYPES OF FABRICS

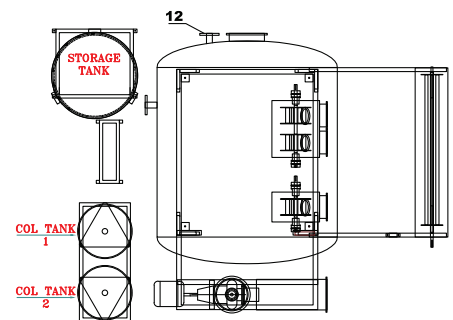
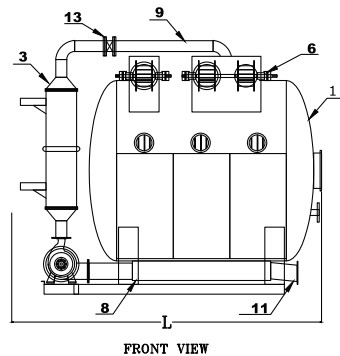
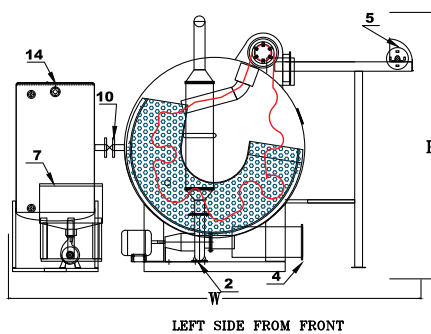
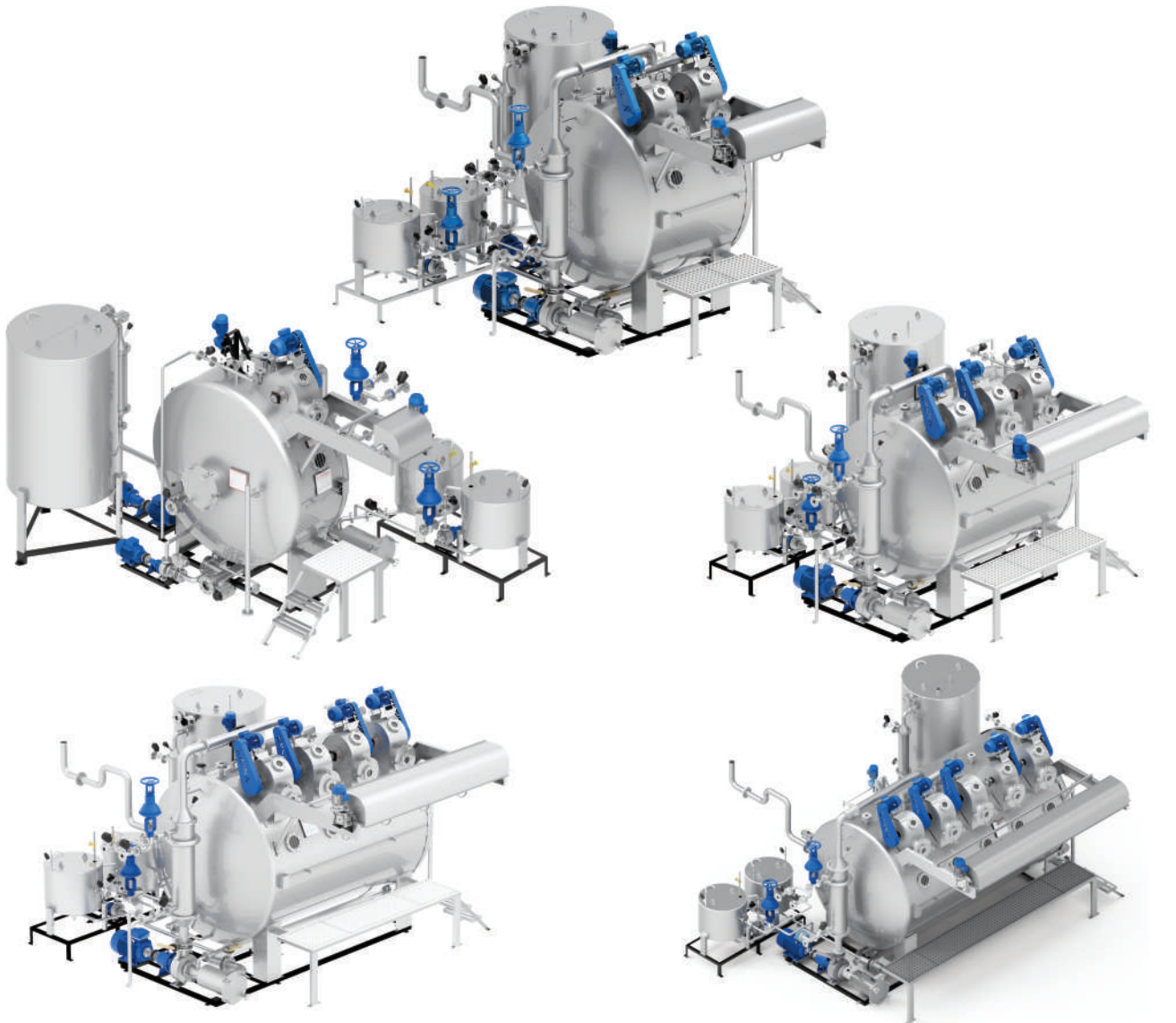


Technical Specification

- Robust Reliable Construction of SS 316 L Material.
High Volume Low Pressure Pump (With AC Variable Inverter Drive).
- Variable Driven inside Reel with Silicon Strip to avoid Abrasion Mark.
- Liquor Ration 1:4 With 100% Moist Fabric.
- Teflon Sheet at rear Side for Entangle Free Fabric Movement.
- Water Flow Meter (Optional).
- Fully Auto Operation (Optional).
- Seam Detector (Optional).



SOFT FLOW FOR ALL TYPES OF FABRICS



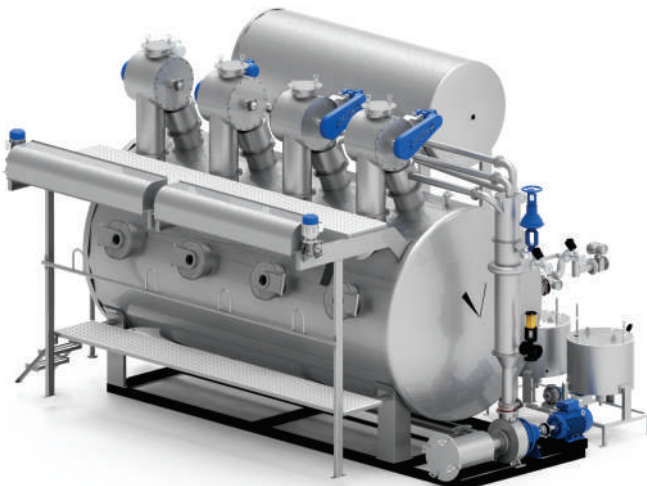
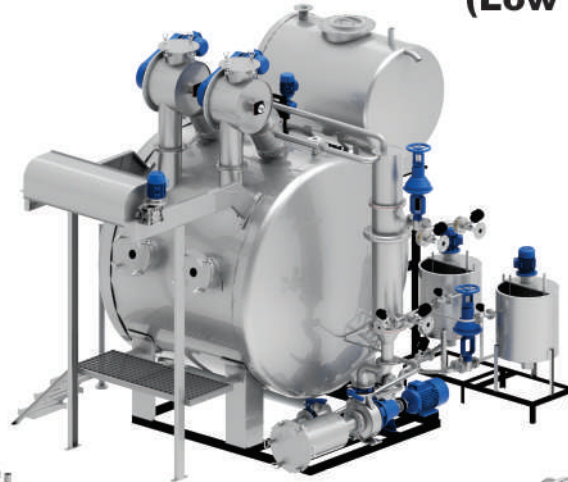
Technical Specification

- Adaptive variable nozzle system
- Dual circulation system
- Intelligent circulation tracking & synchronizing system
- 1-8 fabric chambers per machine
- Chamber capacity - 150 / 200 / 250 / 300 / 350 kg depends on fabric

Optional Features

- Second preparation tank
- 100% water storage tank
- Automatic self cleaning filter for fast dosing.
- Auto measurement & liquor ratio

SOFT FLOW FOR KNITS TERRY TOWEL & Technical Textile (Low liquor dyeing machine)



Technical Specification

- Adaptive variable nozzle system
- Dual circulation system
- Intelligent circulation tracking & synchronizing system
- 1-8 fabric chambers per machine
- Chamber capacity - 200 / 250 / 300 / 350 kg depends on fabric

Optional Features

- Second preparation tank
- 100% water storage tank
- Automatic self cleaning filter for fast dosing.
- Auto measurement & liquor ratio

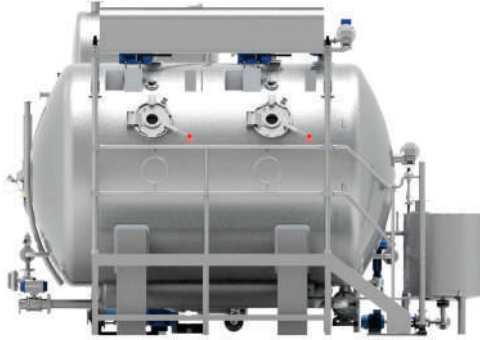


Estd 1990

KRSNA Group

CONCEPT TO REALITY

A perfect
**dyeing &
processing**
experience



Estd 1990

KRSNA Group

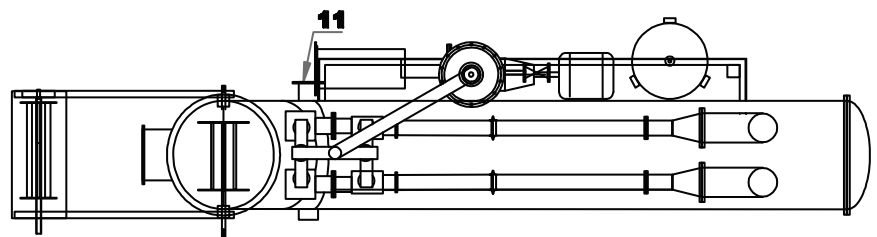
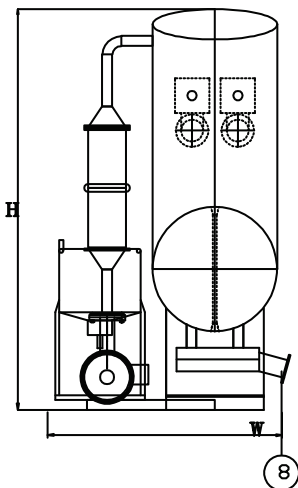
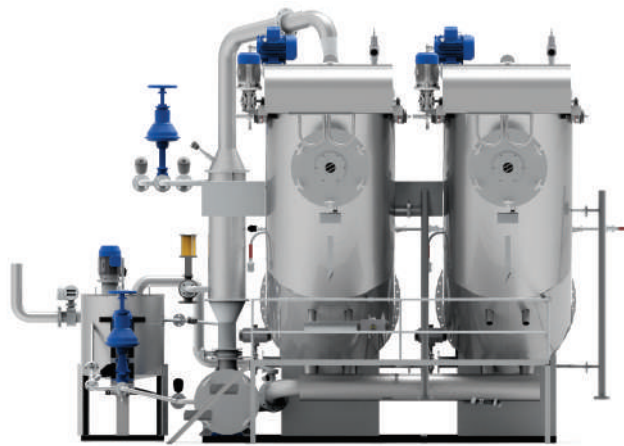
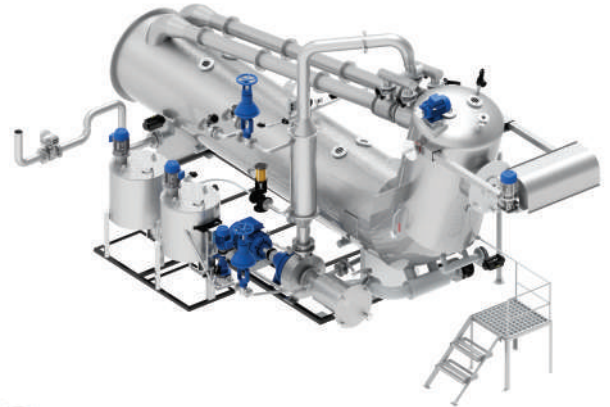
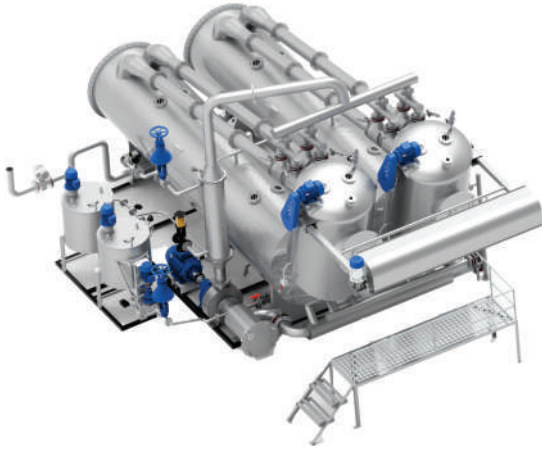
CONCEPT TO REALITY

A perfect
**dyeing &
processing**
experience



MULTI PURPOSE LONG TUBE DYEING MACHINE (TWIN DUAL NOZZLE)

For Knit / Woven & 100% Polyester Lycra / Poly Viscose & Surface Sensitive Fabrics
 (low Liquor Dyeing Machine)

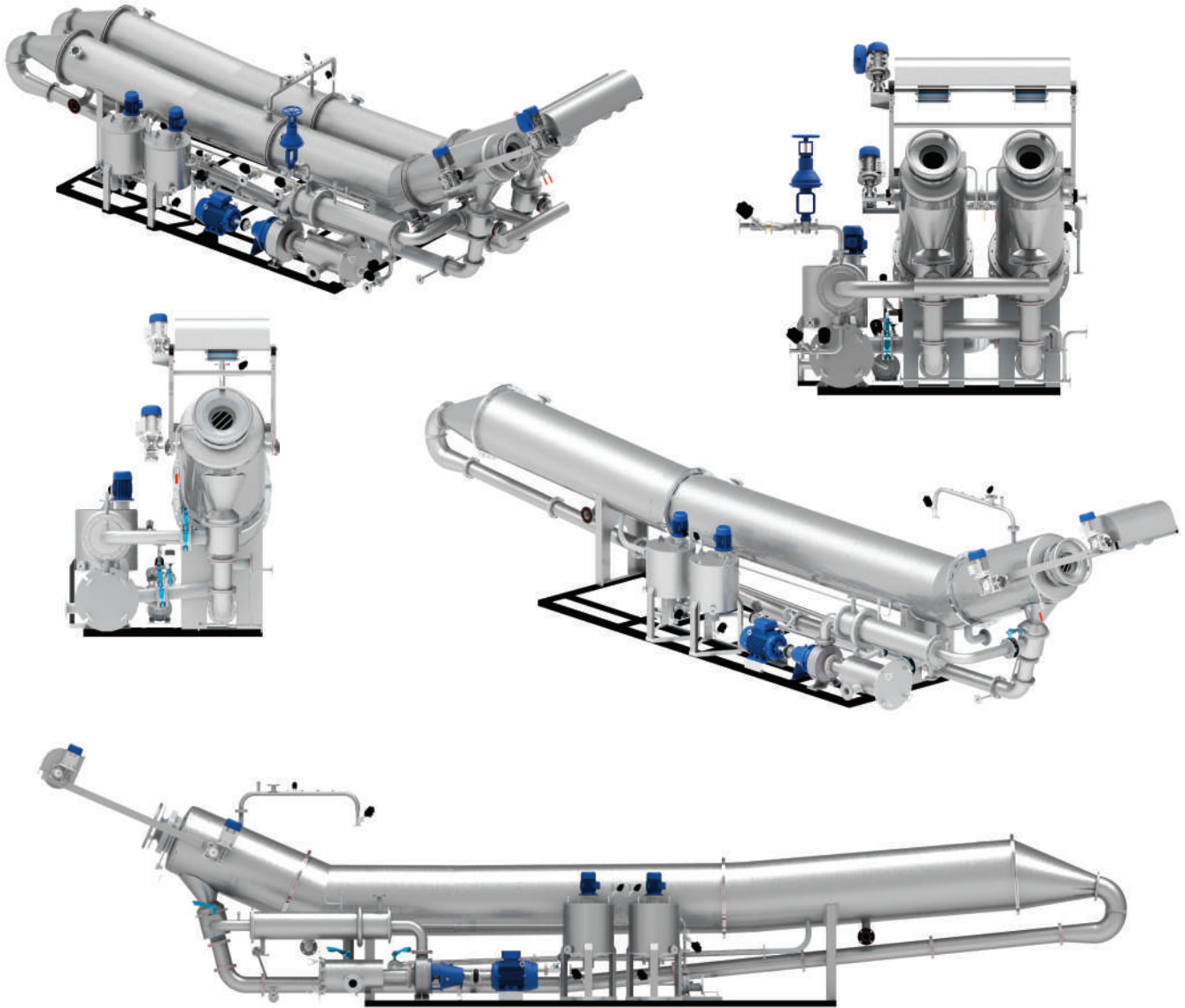


Technical Specification

Scientifically Design Unique Machine Specially For Knits, Micro, Lycra, Nylon, Wooly, Rayon, Silk & Polyester, Blends & Surface Sensitive Fabrics.

- Low bath ratio, bath ratio can be as low 1:4~1:8 depends on the fabric.
- Flexible water flow so that the high-grade fabric is subjected to the lowest surface impact to ensure no lint, and the structure of fabric is not twisted.
- Unique elbow design at rear end ideal to achieve flow-less dyeing result at minimum tension.
- Adaptable to a wide range of products from general knit fabrics to the latest developments im elastic fabrics.

MULTI PURPOSE LONG TUBE DYEING MACHINE (TWIN DUAL NOZZLE) **For Knit / Woven & 100% Polyester Lycra / Poly Viscose & Surface Sensitive Fabrics** **(low Liquor Dyeing Machine)**



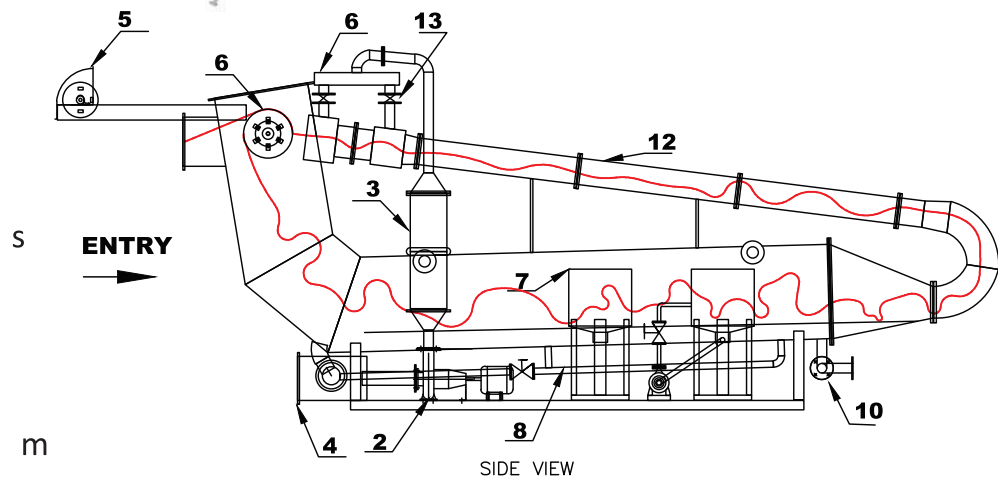
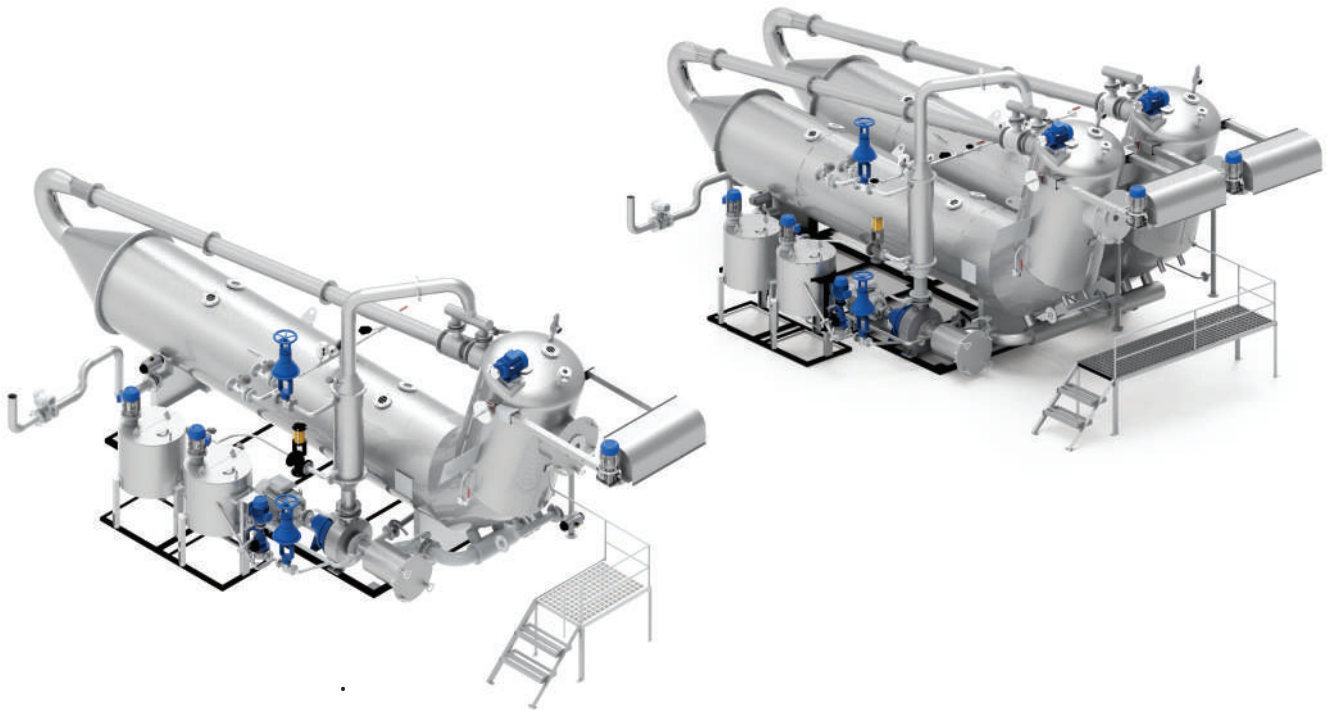
Technical Specification

Scientifically Design Unique Machine Specially For Knits, Micro, Lycra, Nylon, Wooly, Rayon, Silk & Polyester, Blends & Surface Sensitive Fabrics.

- Low bath ratio, bath ratio can be as low 1:4~1:8 depends on the fabric.
- Flexible water flow so that the high-grade fabric is subjected to the lowest surface impact to ensure no lint, and the structure of fabric is not twisted.
- Unique elbow design at rear end ideal to achieve flow-less dyeing result at minimum tension.
- Adaptable to a wide range of products from general knit fabrics to the latest developments im elastic fabrics.

MULTI PURPOSE LONG TUBE DYEING MACHINE (TWIN DUAL NOZZLE)

For Knit / Woven & 100% Polyester Lycra / Poly Viscose & Surface Sensitive Fabrics
 (low Liquor Dyeing Machine)



Technical Specification

Scientifically Design Unique Machine Specially For Knits, Micro, Lycra, Nylon, Wooly, Rayon, Silk & Polyester, Blends & Surface Sensitive Fabrics.

- Low bath ratio, bath ratio can be as low 1:4~1:8 depends on the fabric.
- Flexible water flow so that the high-grade fabric is subjected to the lowest surface impact to ensure no lint, and the structure of fabric is not twisted.
- Unique elbow design at rear end ideal to achieve flow-less dyeing result at minimum tension.
- Adaptable to a wide range of products from general knit fabrics to the latest developments im elastic fabrics.

Estd 1990

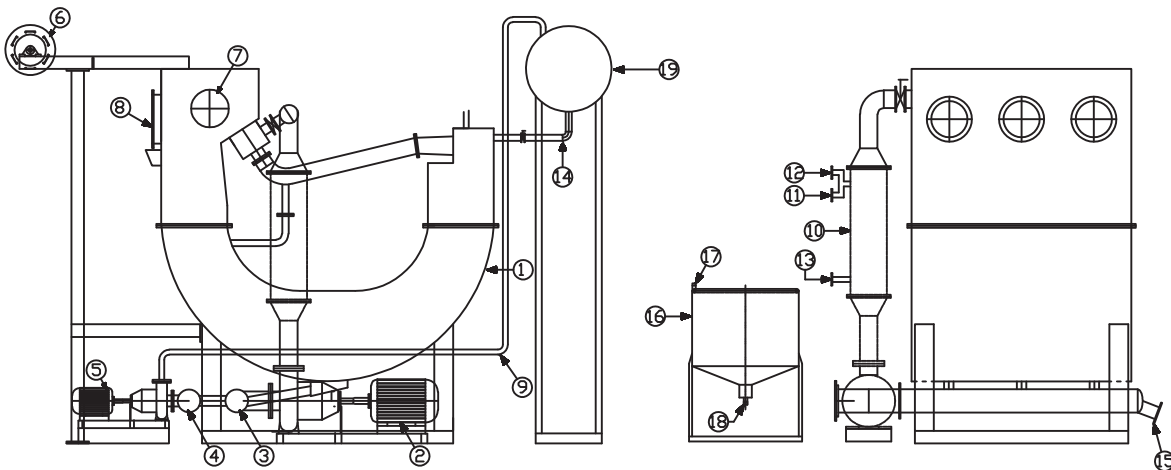
KRSNA Group

CONCEPT TO REALITY

A perfect
**dyeing &
processing**
experience



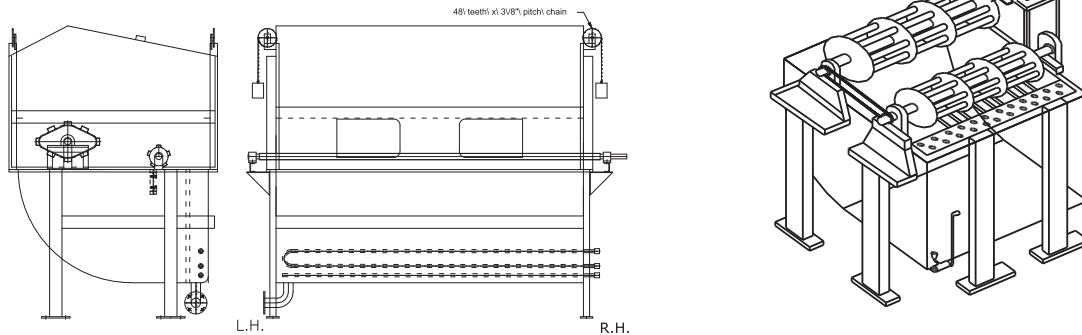
Weight Reduction Soft Flow (SOFLINA)



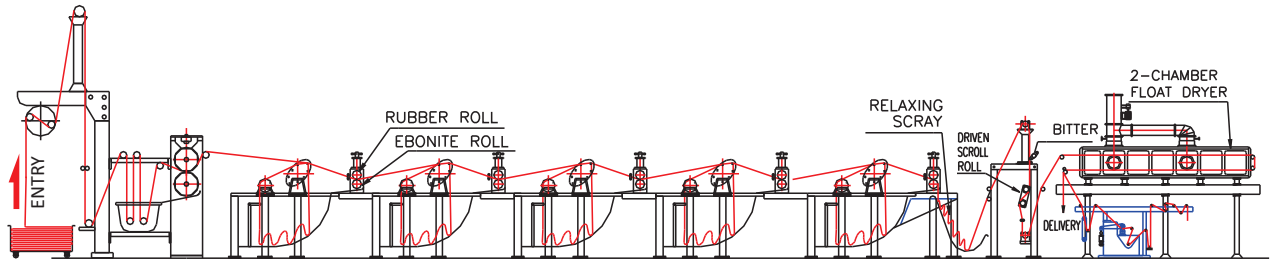
Special Features

- Scientific Design Krsna Soft / Over Flow Nozzle
- Easy & Smooth Fabric Passage ensures tangle Free Fabric Movement.
- Equip with Caustic Storage Tank with Concentration Monitoring Control System.
- Caustic Recovery/Complete Auto PLC Control is (Optional).
- Easily Removable Filter & Heat Exchanger.
- Low Temperature -95°C (Maximum).
- Vessel Made by SS 316 L.

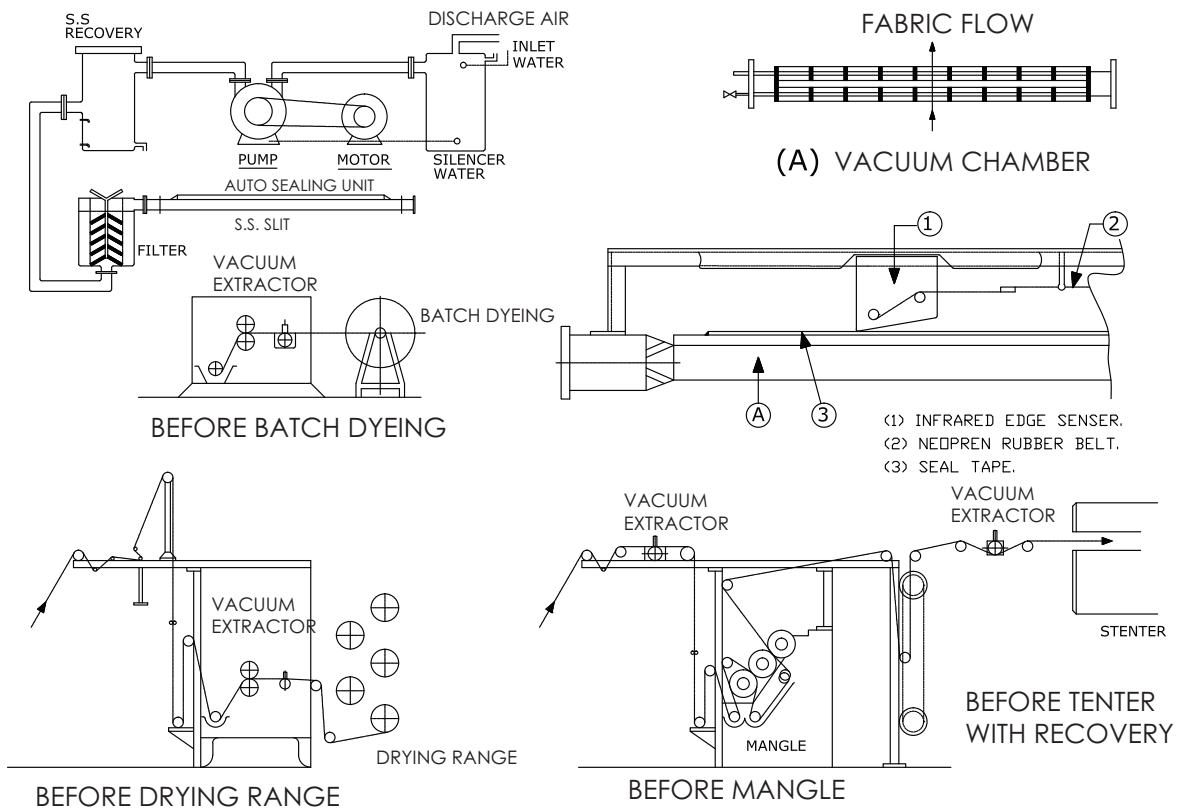
KRSNA OPEN / CLOSE S.S. WINCH



CONTINUOUS WINCH SOAPER



KRSNA OPEN WIDTH VACCUM EXTRACTOR



KRSNA MINI COATING/DRYING STENTER FOR DIGITAL PRINTED FABRIC

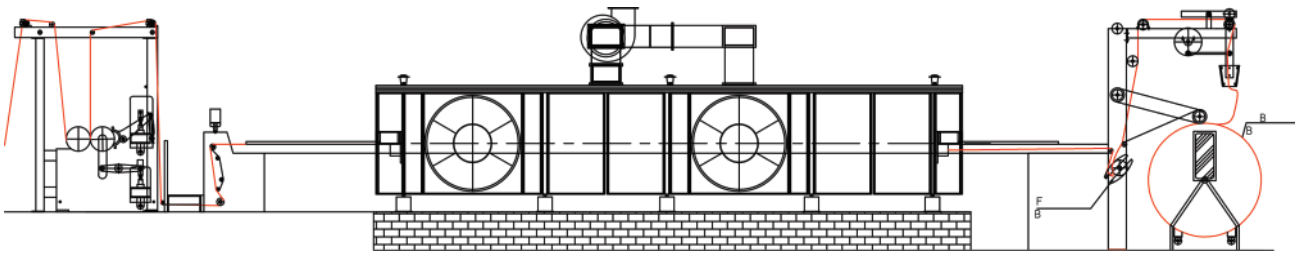
Special Features

We introduce our mini coating drying stenter machine for

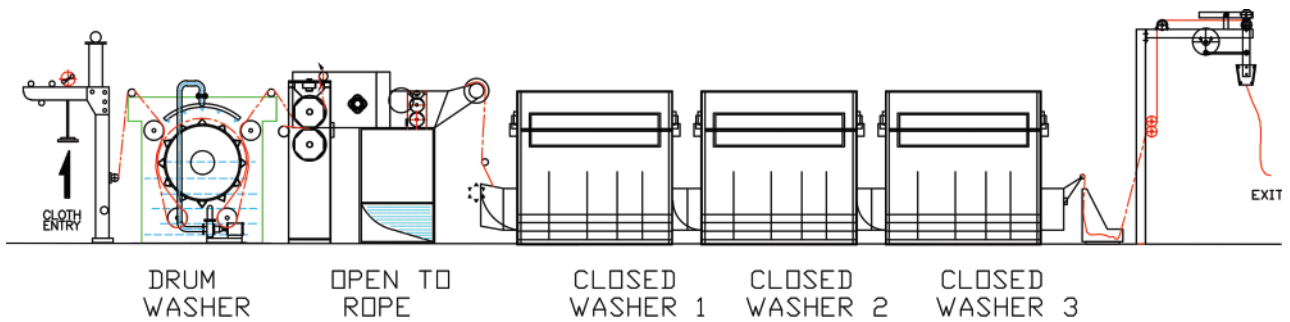
- Pre treatment (coating +drying)and
- Post treatment (for drying) of fabric which are essential processes of digital printing technology.
- Krsna mini stenter/coating is suitable for coating and drying all kind of fabrics silks, cotton, synthetics and woolens.
- Mini coating stenter machine is economical, user friendly, has the best features and is highly cost effective.

• Mini Coating Stenter machine consists of :

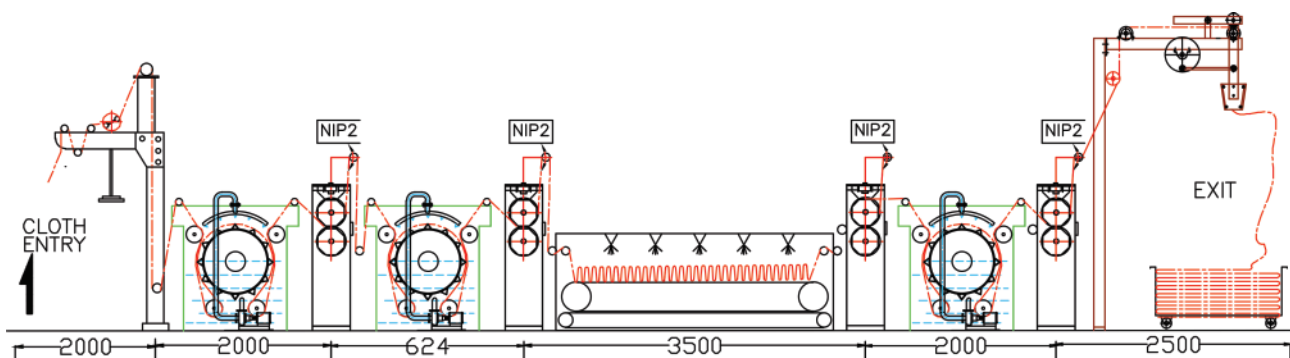
- High Entry With Cloth Guider
- Swivel Tension Unit
- Coating 0: Pneumatic 150 MM Dia Rubber Mangle
- Fabric Conveying System: Pin type
- Optional: (Clip type or Conveyor Belt type on demand)
- Heating: By means of Infra Red Electrical Heating system
- Optional: Steam/Oil heating or Electrical
- Exit Plaitor & Batching Winder



KRSNA MINI OPEN CUM ROPE WASHER



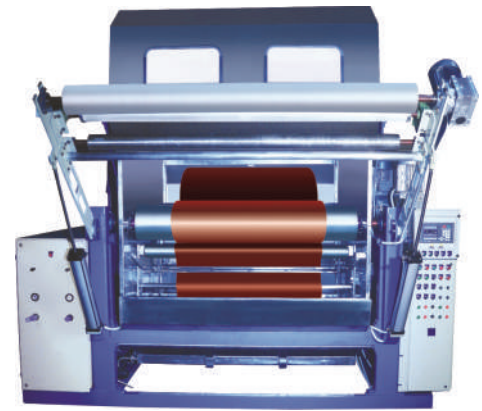
KRSNA MINI WASHER OPEN WIDTH



JIGGER DYEING MACHINE

Special Features

- Krsna Offer 1. Auto 2. Semi Auto. 3. Manual. (Echo-Friendly).
- All Guide Rollers Are Made From SS Sheet And Big In Diameter To Minimize The Liquor Ratio. (Bottom Rolles-150 Mm Dia -2 Nos.)
- Pneumatic Doors Lifting/Lowering By Four Heavy Duty Cylinders.
- Structure Is Made From 6mm (SS Plate Bending).
- Total Structure Is Leveled On Piano Miller.
- Main Rolls Are Cladded With 3mm SS Plate Or Made From SS Shaft.
- Both Rollers R Driven By Individual A/C Variable Drive.
- Bottom Guide Rolls Are Big In Dia For Lower Liquor Ratio.
- All Guide Rolls Are Made From 3mm SS.
- Complete Machine Electronic Plc Based Auto Operation.
- Loading /Unloading From Both Side.
- Helical bevel gear box increase efficiency.
- Fully automatic touch screen PLC based operation.
- 200 programme storage capacities.
- Filter + Addition tank & dye addition & circulation pump.
- Auto tension control pendulum control.
- Auto cycle control.
- Fabric unloading winch.



2/3 BOWL PADDING MANGLE

Special Features

Krsna Mangles Consider to Most Common Most admired Process Machinery.

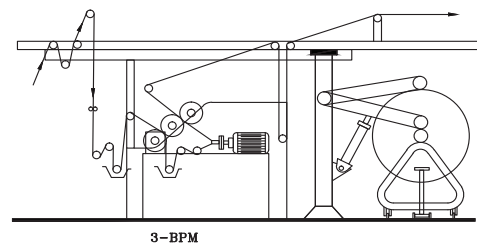
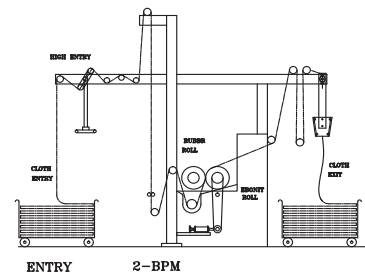
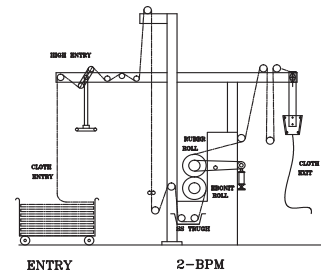
Mangles are used in

- Bleaching For pad batch Steam Bleaching Process (2Bowl & Crown Type 3 Bowl) or (2 Bowl vertical 3.Bowl Inclined).
- Dyeing for Pad Dye batch Process Horizontal(2 Bowl & Crown Type 3 Bowl).
- Drying Before Drying Range/Setter/ Float Drier
- (2 Bowl vertical & 3 Bowl Inclined).
- Finishing for Chemical Finishing Application before Stenter (3 Bowl Inclined Type).

This machine is used in continuous and semi continuous methods of chemical/dye application to fabrics

Mangles consist of 2 Bowl or 3 Bowl type, mounted on MS or SS Plate have heavy-duty. Bearing housing .Normally Ebonite Roller are Driven. The Mangle is Pneumatically Pressed with each other & Fabric to be process is passes through SS Trough Enters the Squeezer.

The Two Bowl Mangle has One Rubber Roller & One Ebonite Roller The Three Bowl Mangle has 2 Rubber Roller & One Ebonite Roller..



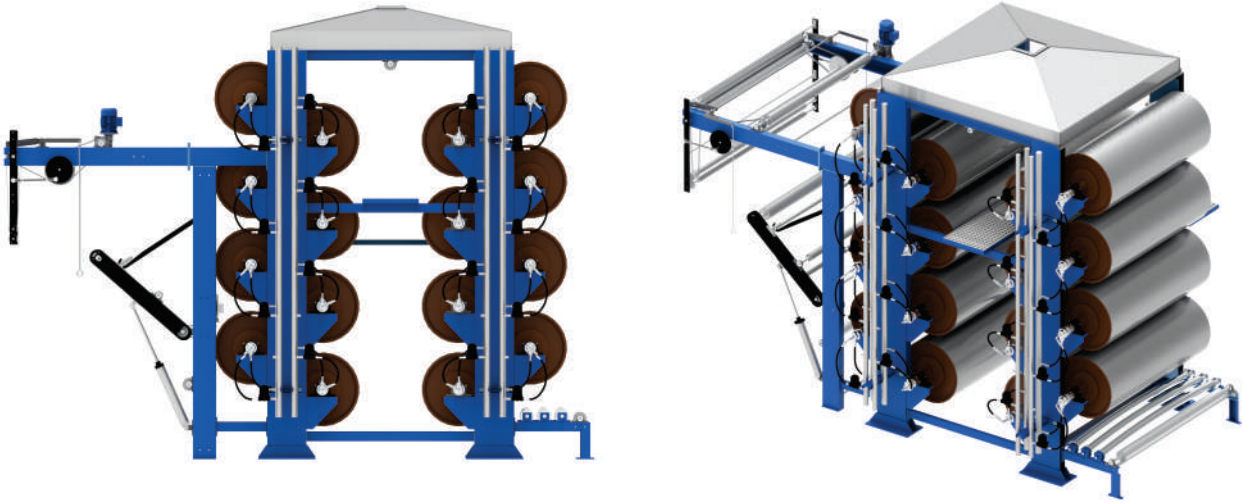
CENTRIFUGE HYDRO EXTRATOR



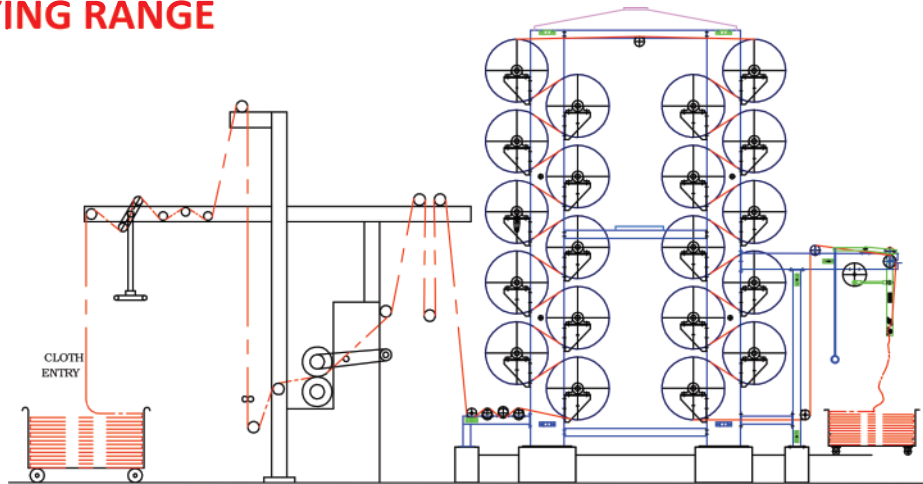
Specification For Three Legs Suspension Hydro

Capacity in KG	Basket dia x Depth	Drainage (MM)
30	762 x 380	75
50	915 x 455	75
100	1220 x 555	100
200	1525 x 610	100
300	1525 x 960	125
400	1525 x 1140	125
500	1828 x 765	125
600	1828 x 1015	125

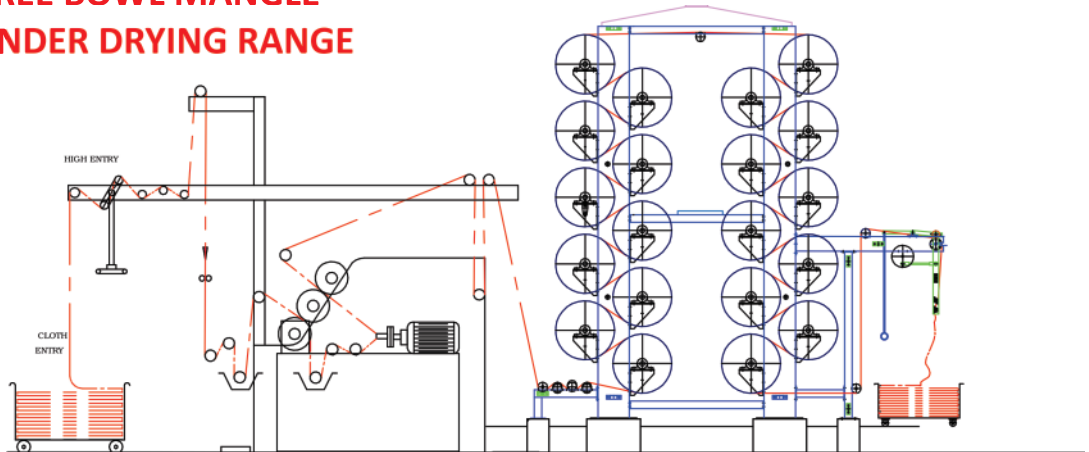
Vertical Drying Range Cylinder



KRSNA TWO BOWL MANGLE WITH CYLINDER DRYING RANGE



KRSNA THREE BOWL MANGLE WITH CYLINDER DRYING RANGE



KRSNA OPEN WIDTH TUMBLE DRIER

Special Features

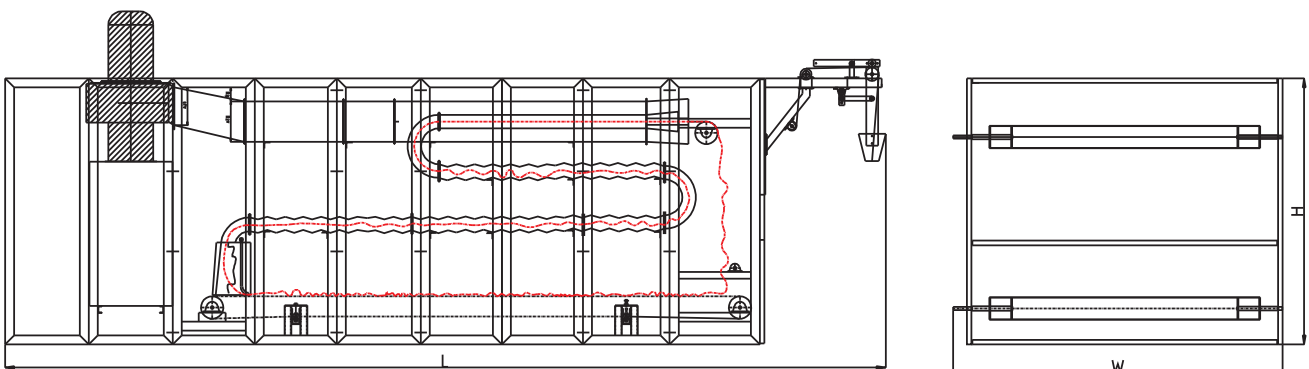
Krsna Tumble Drier an Innovative Idea Developed at

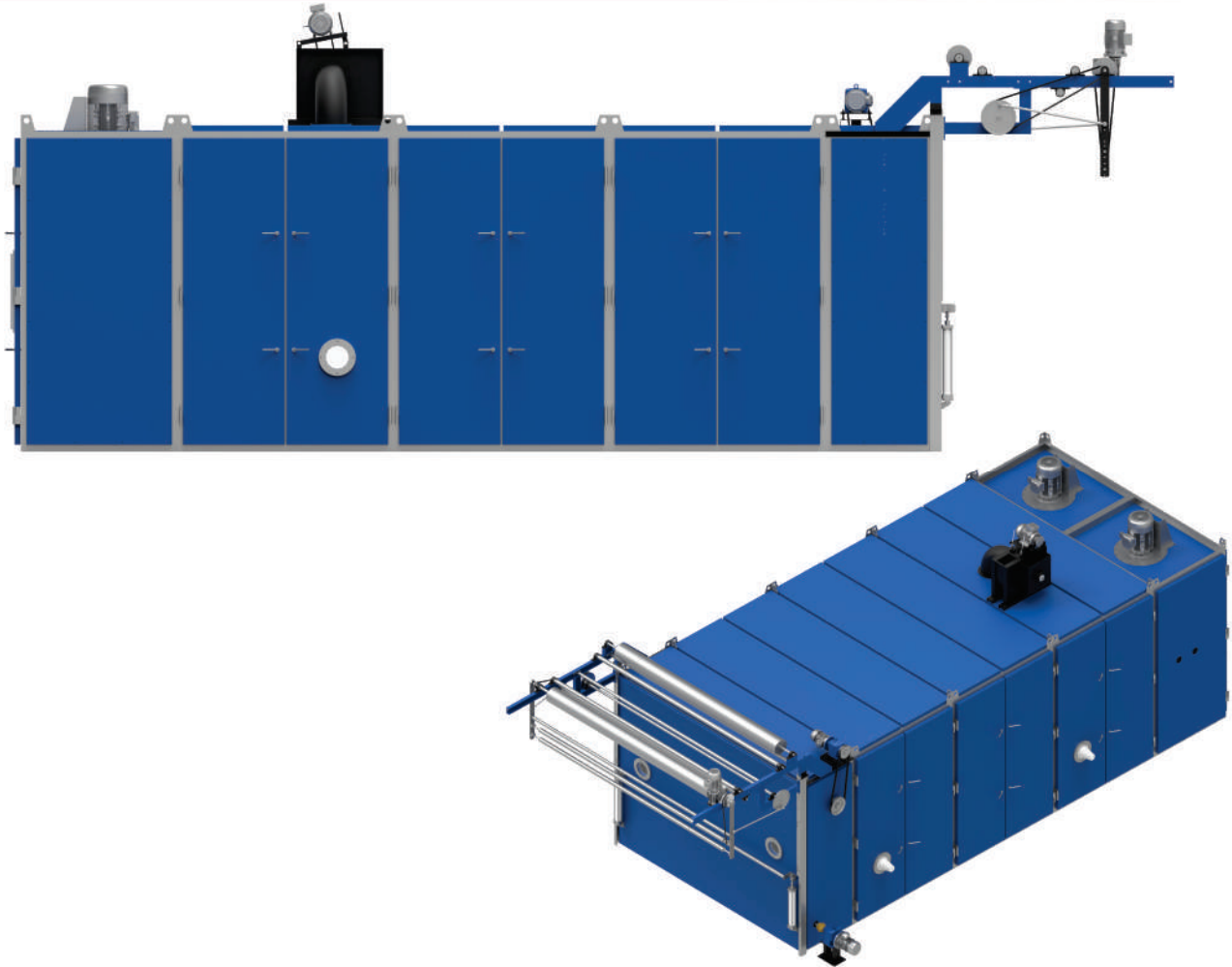
- Krsna tumble drier designed for highest performance to enhance quality level.
- It consumes with minimum energy consumption that helps our customer to gain competitive advantage to stay ahead in domestic & global market.
- Krsna tumble drier is most ideal drying Technology to dry:
- Terry towel fabric, home textiles (sofa, curtain-fabric, etc.),
- Polar flee, car decoration fabric & blanket.
- The most advance open width tumbler drier.
- Scientifically design air flow ensures tumbling effect on both side of fabric.
- Key technology is hot air blow on fabric.
- It fixes piles, imparts softness, and bulkiness.

Technical Features :

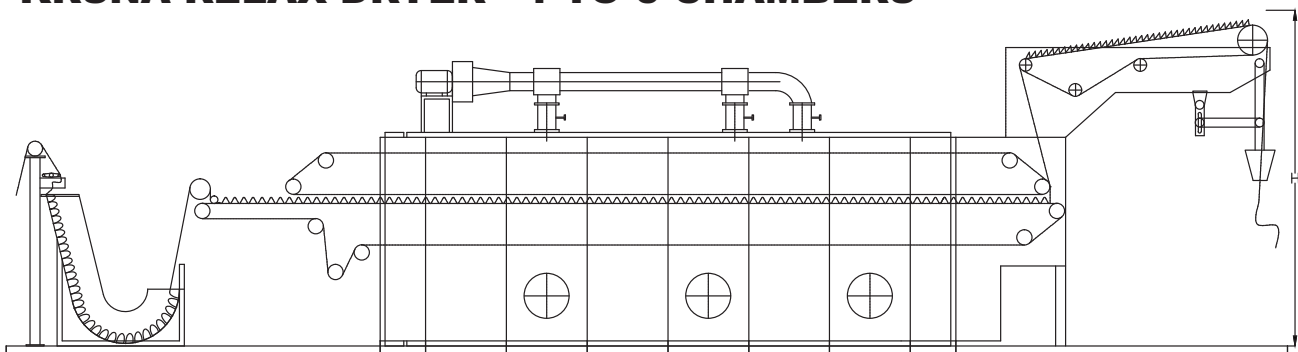
- Complete MS Fabricated Structure
- Complete heat Seal Energy Conserving Chamber.
- All parts coming in Contact with Fabric made our of SS 304
- Teflon Conveyor for Fabric Passage
- Heavy Duty Blower /Rapid heating Duel Radiator with Cooling Device at Exit
- PLC Control for Main Drive, Temperature /Modulating Air velocity /Process Cycle regulating Exhaust Blower.
- Pneumatic Operated Entry & Exist Door for Loading Unloading of Fabric.

CAPACITY	POWER	EVAPORATION	DIMENSIONS WXLXH
250KGS	50KW	230 KGS	3100 X 7200 X 4100
300KGS	50KW	380KGS	3100 X 8100 X 4100
350KGS	50KW	550KGS	3100 X 9000 X 4100





KRSNA RELAX DRYER - 1 TO 6 CHAMBERS



Salient Features

- Design for Tensionless Drying of Tubular, Open width Knit /Terry Towel /Loosely Woven / Pile Fabric any Kind of Surface Sensitive fabrics.
- The Fabric to be dried is gently fed on Relax Conveyor, It carries Fabric in to Chamber Through Feeding Device.
- Feeding Device Over Feeding Arrangement can help control Shrinkage.
- Available 1.2 metre. to 3.5 metre. width
- Can be used as Single layer or up to 4 layer.
- Suitable steam, oil or gas heating system.
- Heavy Duty Blower o Impart Power full Hot Air through Dynamically balance Hot Air Nozzle for each chamber.

Estd 1990

KRSNA Group

CONCEPT TO REALITY

GLOBAL PRESENCE



PERU,
COLOMBIA,
COSTA RICA,
BRAZIL,
MEXICO,
U.K,
NIGERIA,
ZIMBABWE,

MAURITIUS,
KENYA,
IRAN,
EGYPT,
NEPAL,
SRI LANKA,
BANGLADESH,
THAILAND,

INDONESIA,
MALAYSIA.
CHAD
ETHIOPIA
PHILIPPINES
TANZANIA
UAE



KRSNA

ENGINEERING WORKS

HEAD OFFICE :

45, G.I.D.C. Phase-1, Naroda, Ahmedabad 382 330 (India)

Tel : + 91 79 22818537 / 22831613

Fax : + 91 79 22823093

Mob : + 91 98250 96234 / 93777 33484 / 90999 30017

Email : krsnaeng@gmail.com

Website : www.krsnagroup.in

DELHI OFFICE : Mr. R.G.Gupta

Mob .:+ 91 93130 46720

KANPUR OFFICE : Mr. V.J.Shah

Mob.:+ 91 94150 43789

LUDHIANA OFFICE : Mr. Vaneesh Aggarwal

Mob.:+ 91 98141 27344

MUMBAI OFFICE : Mr. Milind Mahadik

Mob .:+ 91 93242 32635

TIRUPUR OFFICE :

