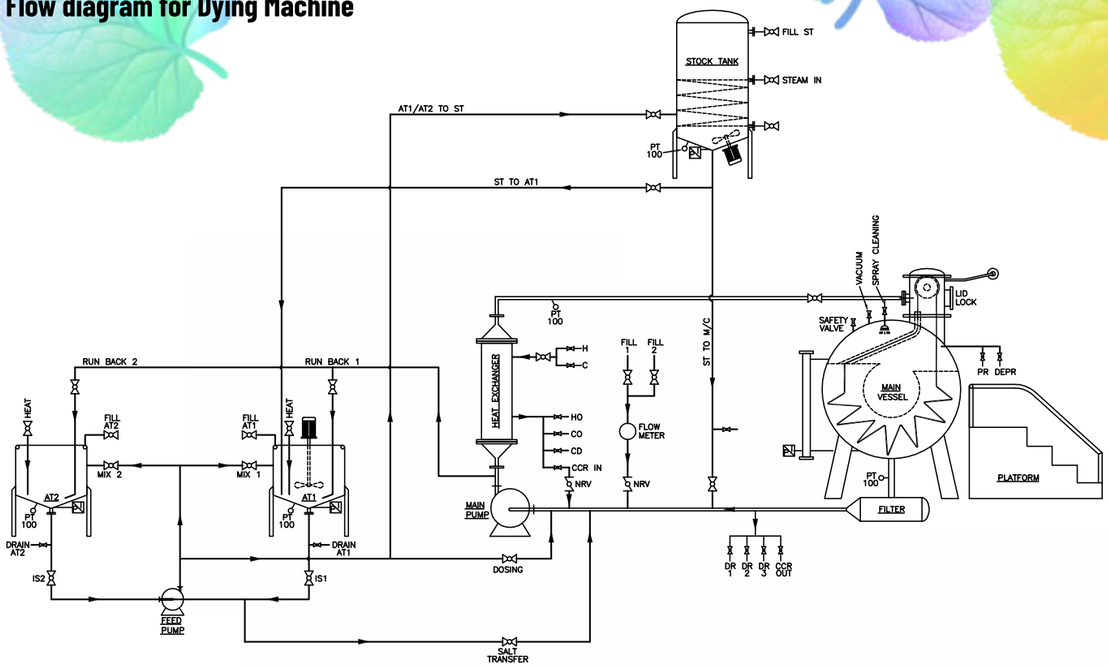
Flow diagram for Dying Machine



Machine Model	One Head Two Rope Ecostar			One Head One Rope Ecostar Plus				Ministar	
Capacity	400 KGS	800 KGS	1200 KGS	300 KGS	600 KGS	900 KGS	1200 KGS	25 KGS	50 KGS
No of Ropes	2	4	6	1	2	3	4	1	1
Pump Motor	10 hp	20 hp	30 hp	7.5 hp	15 hp	20 hp	25 hp	2 hp	3 hp
Winch Motor	2 hp	2hp x 2	2 hp x 3	2hp	2hp x2	2hp x 3	2hp x 4	1 hp	1 hp
length mm	3200	5400	7400	1800	3000	4200	6000	1500	2000
Width mm	4000	4000	4000	4000	4000	4000	4000	2500	2500
Height mm	3500	3500	3500	3500	3500	3500	3500	2500	2500
Stirrer	0.5 hp	0.5 hp	0.5 hp	0,5 hp	0.5 hp	0.5 hp	0.5 hp	0.5 hp	0.5 hp
Take up	1 hp	1 hp x 2	1 hp x 3	1 hp	1 hp x 2	1 hp x3	1 hp x 4	0.5 hp	0.5 hp

Pranav
Recreating the Essence of Nature

Pranav Textile Engineers Pvt. Ltd.

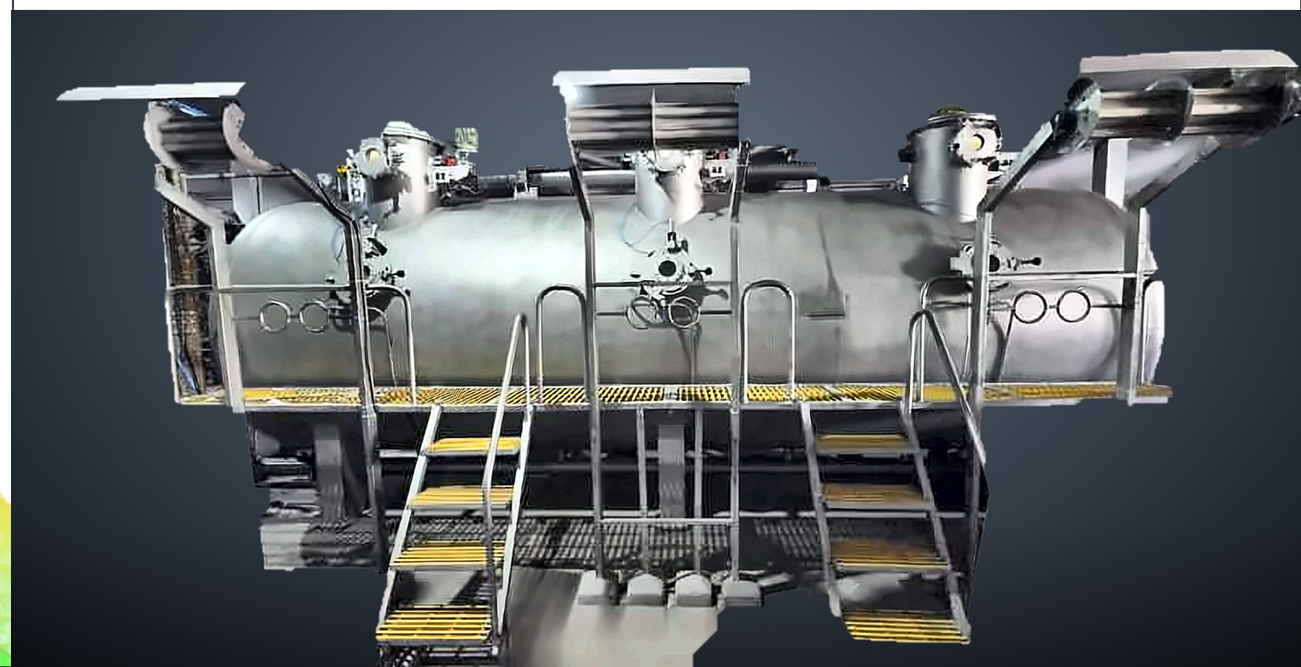
Head Office : C1/205 Mont Vert Pristine, Aundh Road, Pune - 411020.
Factory : J 220, MIDC, Bhosari, Pune - 411026.
Phone : +91 98230 82458 | Email : aquatexindia@gmail.com
Website : www.pranavindia.com

www.design-lab.co.in | 98222 34768

Pranav
Recreating the Essence of Nature

PLC BASED SOFTFLOW HTHP DYEING MACHINE WITH PREHEATING CHAMBER

(upto Liquor ratio 1:4)



Pranav

Recreating the Essence of Nature

Quality fabric is the key to making apparel that is trendy as well as durable. And when it comes to manufacturing machines that produce superlative fabrics, one name always stands out... Pranav

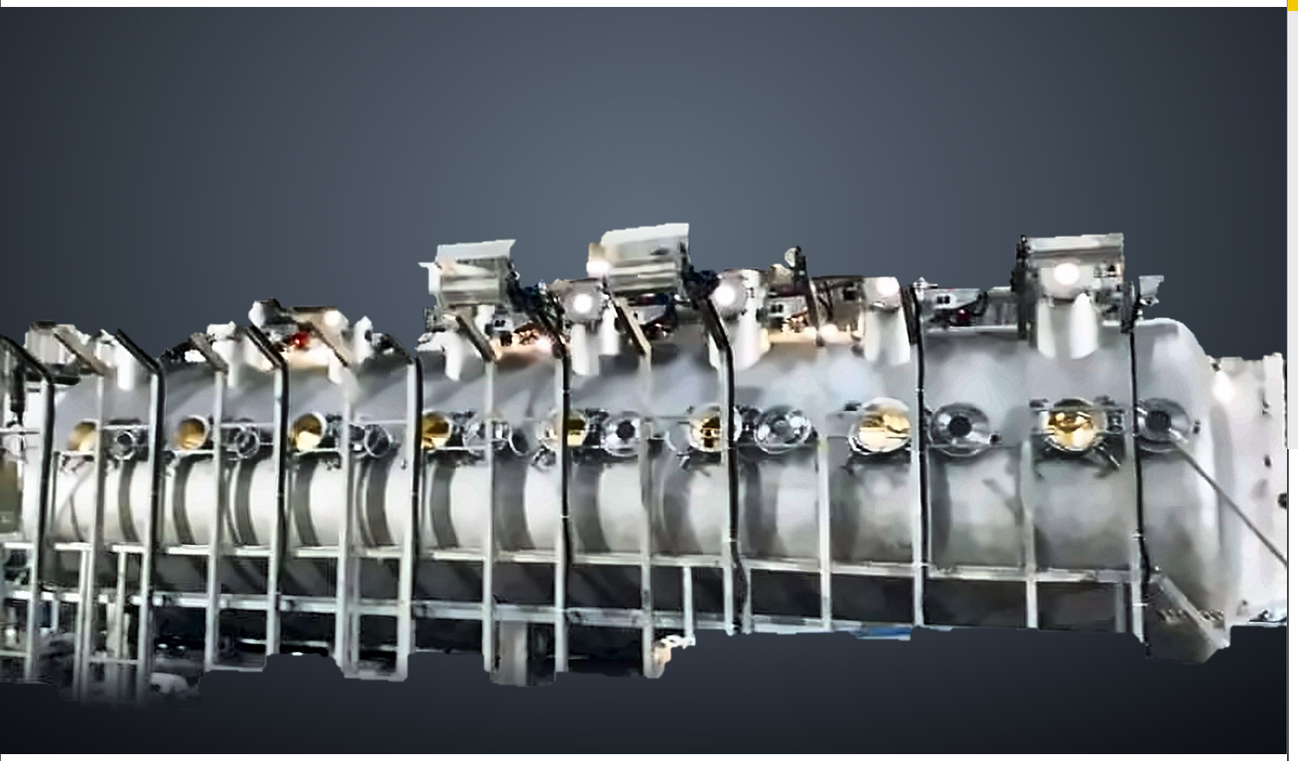
Pranav Textile Engineers Pvt Ltd is a leading company engaged in the design and manufacture of highly versatile textile fabric soft flow piece dyeing machines. The Company specializes in manufacturing machines that are ideally suitable for batch-wise dyeing and bleaching of a wide variety of woven and tubular or open width knitted fabric in rope form.

Located in Pune - Maharashtra, Pranav is a reputed name that symbolizes innovation, technology and service. Our superb quality is our sole identity! Our machines are extremely flexible, highly cost-effective and successful for light weight knit goods such as collars, cuffs or smaller dia single jersey interlock, fleece, terry fabrics, etc. And of late, our high capacity machines are being used for very heavy 3.2 mtrs woven bed linen fabric.

Only high-grade stainless steel SS 316 L is used in making modular dyeing machines, with all critical bought outs sourced from the best respective suppliers in the world. These machines are highly robust and are available in a wide capacity range, right from a 10 kg sampling machine to production machines exceeding a capacity of 1,500 kgs per batch. More than 500 such machines are presently working to customer satisfaction all over the world.

Pranav being in business for last 20 years have now developed and introduced ECO-STAR production machines with a LOWER HEAD MODEL HM model WITH specially designed CYCLO nozzle which ensures faster circulation of WATER and also Lower elongation of fabric because of less pull to the fabric.

Pranav also offer MINI-STAR sample soft-flow dyeing machines.



2000 KGS

Salient Features of our HM Model Dyeing Machine

- Shortest machine cycle time (as low as 5.5 hours per cycle for cotton reactive dyeing under ideal working conditions
- Lowest cost per kg output (in terms of time, water, steam and electrical power as well as dye and chemicals)
- Highest kilos per port output at highest sustainable levels of quality (an achievable 200kgs per chamber)
- Lowest jet nozzle pressures
- Highest flexibility of loading with perfect reproducibility of shade
- Lowest liquor - ratio down to 1:4
- Lowest water consumption (an average of 40 litres per kg)
- Guaranteed tangle free operation
- Highest fabric quality in the widest possible range of fabrics
- Highest production versatility
- Full length PTFE sheet to ensure zero friction between fabric and Stain less steel
- Highest batch to batch reproducibility
- Modulating Dosing
- Salt Gulping System for faster injection of Salt
- Variable Winch Drive
- Modulating Heating /Cooling
- Electronic Flow Meter
- Modern Touch Screen Controller (SEDOMAT / ENMOS SIMPLEX)
- All important BOUGHT outs from reputable manufacturers having international collaboration
- Machines manufactured from Heavy Duty SS 316 L and supplied with Material Test Certificate
- Introducing CCR function - Continuous Cooling and Rinsing

Compact Design

Dynamic Program

Capacity of 2000 steps

Use Customizable Configuration

240 x128 Graphical Display

Easy Calibration with high precision

Parallel Programs and Processes

Single Step and Continuous Control Loops

Automatic filling of the chemicals by measuring into the additional tank

Fully Automated dosing with 6 different Gradient

Automated Water Filling

Recording Module

Technical Data :

Maxi. Working Temperature	:	135° C
Maxi. Working Pressure	:	3.5 bar
Heating Rate	:	Approx. 4°C/Min, Minimum required Steam pressure 6 bar
Cooling Rate	:	Approx. 4°C/Min, Minimum required Water pressure 4 bar at 15°C

