



HTHP HORIZONTAL TUBULAR DYEING MACHINE

Equipped with



SedoTreepoint | Germany
Dyeing Controller



Extended
product lifecycle



Minimised
carbon footprint



Climate-neutral
products



Minimum
uptake



Waste
Prevention



Excellent Dyeing
Result

HTHP Horizontal Tubular Dyeing Machine is a front loading, low MLR dyeing machine suitable for dyeing of Polyester, Cotton, Viscose, Nylon, Acrylic, Texturized, Silk, Wool, etc. in various forms like Cone, Tape, Narrow Fabrics, etc. It caters to the needs of high productivity textile Industries.

VARIABLE
LOADING



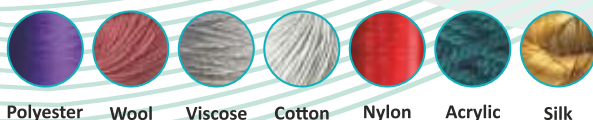
Salient Features //

- Machine body and all parts coming into contact with the dye liquor are made of AISI SS 316Ti/316L, highly corrosion resistant
- Bi-direction Turbo Pump for double stage liquor circulation (In-Out & Out-In) with Inverter Drive for varying speed
- Control Panel with PLC and Touch Interface
- Ultra Low MLR of 1:3
- Air pad System to minimize the liquor ratio
- Colour dosing tank with Injection Pump for dozing the dye liquor into the machine
- High efficient internal heat exchanger for internal heating/cooling which has no energy loss to the ambient
- Variable loading with flexible loading spindles or capacity reducing dummies upto 50% capacity

- HT Drain - the machine can be drained at 130° C. without cooling
- Sampling pot to check the dyeing result while machine is in operation
- Pneumatically operated front door locking / unlocking
- Human/Machine safety interlocks
- Safety locking device
- Safety level sensor for turbo pump and heating



SUITABLE MATERIALS



Polyester Wool Viscose Cotton Nylon Acrylic Silk

SUITABLE FORMS



Cone Zipper Tape Narrow Fabrics

MODELS

JHD	1	2	3	4	5	6	8	10	12	15	18	20	24	25	30	36
 Batch (Kg)	20	40	60	80	100	120	160	200	240	300	360	400	480	500	600	720
 Electric Load (Kw)	3.5	5	7	7	9	11	13	13	17.5	17.5	21.5	21.5	26	26	34	38

- We reserve our rights to make any changes without prior notice
- Batch capacity of the machine may vary according to the material i.e. Polyester, Cotton, Viscose, Silk, Tape, etc.
- Electric load mentioned above is of turbo pump fitted with electric motor and dozing pump
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract
- Each Tube is suitable for carrying 15 No. Dye springs of size 57(w)x170(L) or 10 No. Plastic/steel tubes of size 57(ID)x170(L)



Advantages //

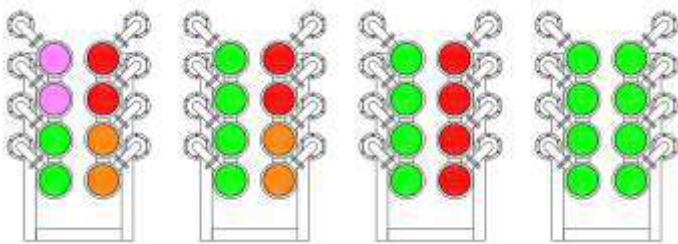
- Compact arrangement of JOGSON turbo pump, Heat exchanger and piping is the main key to **floor space saving**
- Bi-direction Turbo allows the packages to expand and contract by pressure changes, increasing the effectiveness and evenness in dyeing
- **Ultra Low MLR** of 1:3, consumes less dyestuff, chemicals, steam, water & produces less effluent discharge, hence it's ECO friendly (leads to global savings of water and chemical) & reduces the production cost resulting in faster Return on investment
- Inverter driven turbo pump for variable flow control; saves upto 40% power consumption hence more **Energy Efficient**
- HT drain at 130°C for oligomers elimination during polyester dyeing process, shortens batch time, effectively removes excess water from the package
- Variable loading with dummies maintains constant MLR & flow rate
- Working platform is not required as the top most tube in which the carrier is to be loaded is at the height of 1.5 mtr approx
- Overhead hoist need not to be installed as the carriers are loaded from front in the machine. Low roof height/any floor installation possible
- Excellent dyeing result and levelness, reduces yarn loss. **High Right First Time (RFT)**
- Water level, pressure, distinctive temperature multiple safety interlock, ensures operational safety



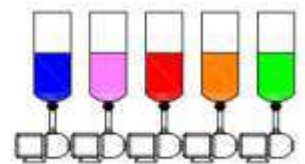
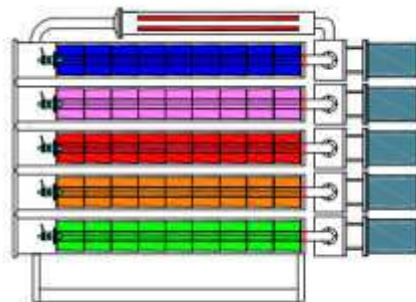
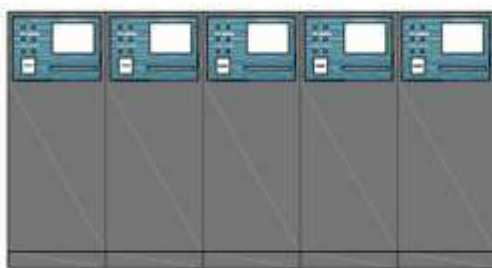
BURNER
MODEL

Technical Data //

- Maximum design pressure 5 bar
- Maximum design temperature 140°C
- Heating gradient 25°C - 130°C approx at 5°C /min. (Dry Saturated steam pressure at 7 bar)
- Cooling gradient 130°C - 85°C approx at 3.5°C/min. (Cold water of 25°C at 3 bar)



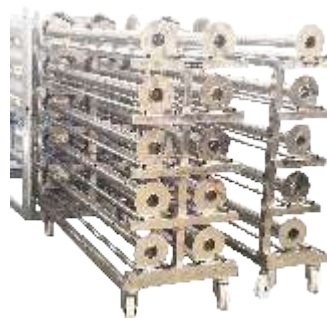
A Few Arrangements of Multi Tube Machine



Multi Tube Dyeing with Coupling Options

Optional Features //

- Multiple drain, multiple fill
- Various heating mediums such as electric heaters, thermic fluid, steam & gas/diesel burner
- 100% capacity Stock Tank with heating, mixing stirrer and transfer pump
- pH meter
- Flow meter
- Hydro extraction device
- DPT for ratio fill / metered fill
- Linear and progressive dosing
- Multi tube with coupling option



Carrier Trolley



Control Panel

OUR PRODUCT RANGE



MULTIPOT DYEING
MACHINE



VERTICAL TUBULAR DYEING
MACHINE



VERTICAL DYEING
MACHINE



HORIZONTAL TUBULAR DYEING
MACHINE



HORIZONTAL VESSEL DYEING
MACHINE



MULTICOLOR SPACE DYEING
MACHINE



GLYCERIN BATH BEAKER DYEING
MACHINE



YARN CONDITIONING
MACHINE



HYDRO EXTRACTOR



HOT AIR DRIER



INDUSTRIAL WASHING MACHINE



TUMBLER DRIER



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AN ISO 9001:2015 CERTIFIED COMPANY

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