



HTHP VERTICAL 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

JOGSON Offers Economical & Eco Friendly Vertical Tubular Type Dyeing Machine to cater the dyehouse requirement of sampling and small lots. This machine is specially designed for small lots dyeing ranging from 1kg upto 40kg /batch.

It is often required in the dyeing industry to get a sample approved from the customer or sometime customer demands small dye lots of different colors. So HTHP Vertical Tubular Dyeing Machine provides the best solution to produce the required amount of dyed yarn which in turn helps to save expensive materials & unnecessary production loss requirement which perfectly defines it as Economical, Eco friendly because it has ultra low liquor ratio which means it uses less water, saves electrical and heat energy, less effluent discharge, saves ETP cost respective to conventional dyeing machines.



Salient Features //

- Machine body & all parts coming into contact with the dye liquor are made of AISI SS 316Ti/316L, highly corrosion resistant
- Direct driven turbo pump for liquor circulation (In-Out & Out-In) with Inverter drive for varying speed
- Control panel with JOGSON dyeing controller (PLC) & touch interface (Optional)
- Ultra low MLR of 1:3
- Air pad to create static pressure and to minimize the liquor ratio
- Colour addition tank with Injection Pump for dozing the dye liquor into the machine
- High efficient heat exchanger which has no heat loss to the ambient

Model : JVT Capacity

- For Cones - 5 cones
- For Tape - 10 kg
- For Hanks - 10 kg



Model : JVT Capacity

- For Cones - 15 cones
- For Tape - 30 kg
- For Hanks - 30 kg

- Variable loading possible with flexible loading spindles or capacity reducing dummies with nearly constant liquor ratio
- HT Drain - the machine can be drained at 130° C
- Sampling pot to check the dyeing result while machine is in operation (optional)
- Rapid lid Locking / Unlocking & safety inter locking device
- Human/Machine safety interlocks

MODELS

JVT	1	2	3	4	5	6	7	8	10	12	14	16	20	24	30
 Batch (Kg)	1.5	3	4.5	6	7.5	9	10.5	12	15	18	21	24	30	36	45
 Electric Load (Kw)	2.5	2.5	2.5	2.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5	5	5	7

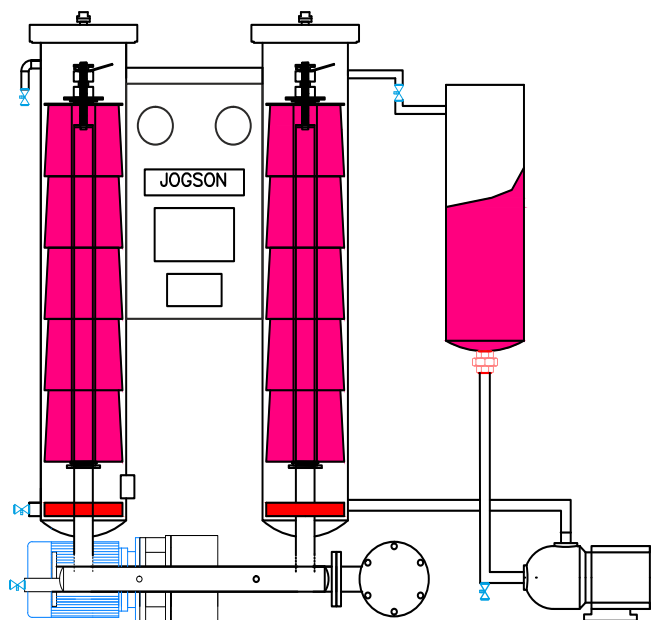
- We reserve our rights to make any changes without prior notice
- Batch capacity of the machine may vary according to the material i.e. Polyester, Cotton, Viscose, Silk, Tape, etc.
- Electric load mentioned above is of turbo pump fitted with electric motor and dozing pump
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract





Advantages //

- Compact arrangement of JOGSON turbo pump, heat exchanger and piping is the main key to floor space saving
- Ultra Low MLR of 1:3, consumes less dyestuff, chemicals, steam, water & produces less effluent discharge, hence it's ECO friendly & reduces the Production Cost
- 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
- Variable loading with dummies maintains constant MLR & Pump Flow Rate
- Excellent dyeing result and levelness, reduces yarn loss
- Water level, pressure, distinctive temperature multiple safety interlock, ensure operational safety



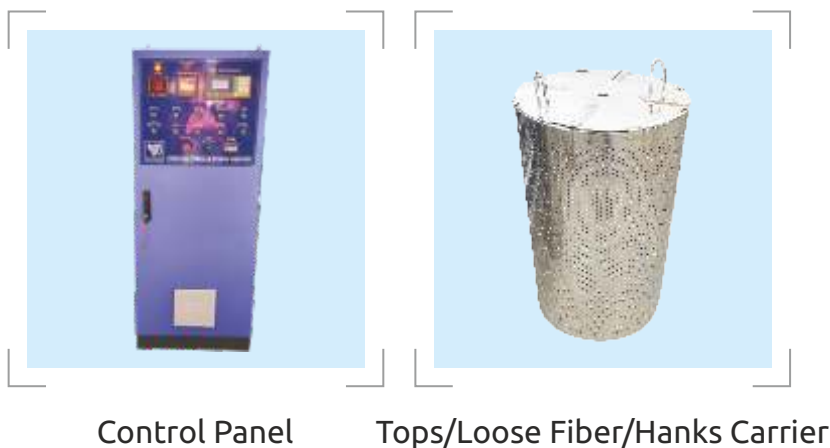
Technical Data //

- 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)

Heating Options Available //

Vertical Tubular Dyeing Machine has a 4 types of heating option available.

- Steam
- Oil
- Direct Fire
- Electricity



Control Panel

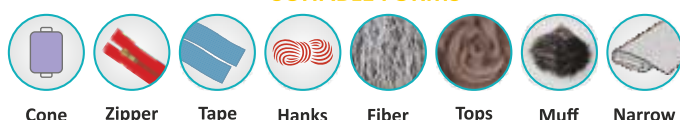
Tops/Loose Fiber/Hanks Carrier

SUITABLE MATERIALS



Polyester Wool Viscose Cotton Nylon Acrylic Silk Human Hair

SUITABLE FORMS



Cone Zipper Tape Hanks Fiber Tops Muff Narrow Fabrics

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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