



MULTICOLOR SPACE DYEING MACHINE



Extended
product lifecycle



Minimised
carbon footprint



Climate-neutral
products



Minimum
uptake



Waste
Prevention






Excellent Dyeing
Result

JOGSON Multicolor Space Dyeing Machine has been developed with the growing need of Space dyed yarn globally and tie & dye market locally. This machine is used for polychromatic dyeing of cones in different possible patterns. It is suitable to dye any type of yarn both natural and synthetic i.e. Polyester, Cotton, Rayon and many more. This machine is also able to space dye fine count filament polyester yarn in single cycle. It is one of the technologically advanced and successfully running machine in the market with newly updated JOGSON Pneumatic Actuated Distribution system, water saving system for vacuum pump, Pneumatic Stirrer for colour tanks, etc.

The machine is offered in various models with options of 4, 6 and 8 colors depending on the needs of the buyer.



JSD	1/4	1/6	1/8	2/4	2/6	2/8
 No. of Cones	1	1	1	2	2	2
 Color Options	4	6	8	4	6	8
 Electric Load (Kw)	5.5	5.5	5.5	11.25	11.25	11.25

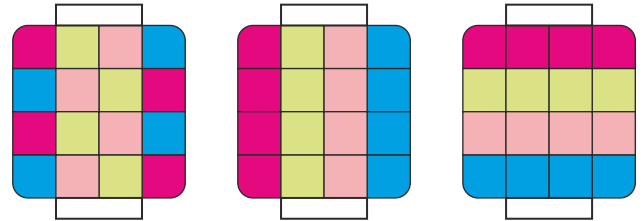
- We reserve our rights to make any changes without prior notice
- Batch capacity of the machine may vary according to the material i.e. Polyester, Cotton, Viscose, Silk, Tape, etc.
- Electric load mentioned above is of vacuum pump fitted with electric motor and dozing pump
- Scope of delivery and technical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



Process Steps



Multiple Patterns



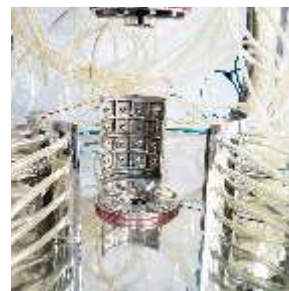
Salient Features //

- With options of 4, 6 and 8 colours
- Machine body stainless steel 304 & all parts coming into contact with the dye liquor are made of AISI SS 316Ti/316L, highly corrosion resistant
- High vacuum through mono block vacuum pump
- Water saving system for vacuum pump
- Liquor transfer through seal less magnetic pumps
- Liquor dosing by highly efficient over head mounted JOGSON Pneumatic Actuated Distribution system
- Automatic dyeing cycles, high productivity, 1 dyeing cycle in about 60 seconds
- Suitable for any type of yarn natural or synthetic, wound on dye spring, plastic tube, steel tube, etc.
- Suitable for dyestuff like Acid, Reacted, Direct, Disperse and Pre-metallized
- Multiple design pattern possibilities
- Power control panel with PLC & touch interface
- Floor level installation
- Individual colour tanks for stocking dyestuff / jerry can connections



Working Steps //

- **Package Preparation :** The yarn must be wound on Dye Spring, Plastic Tube, Steel Tube, etc.
- **Recipe preparation :** The chemicals & dye-stuff are mixed & put into colour tank
- **Dyeing process :** It starts with transferring of mixed liquor from each colour tank to overhead dosing cylinders & distributed uniformly to the package. The uniformity of the printed package is guaranteed both by JOGSON Pneumatic Actuated Distribution system mated with high suction of the vacuum pump
- **Dyestuff fixation :** After dyeing, the package are placed in JOGSON Yarn Conditioning Machine for dyestuff fixation. The process of heat setting & conditioning varies on the type of yarn
- **Washing :** To wash out the excess dyestuff the package is then placed in JOGSON yarn dyeing machine
- **Drying :** Depending on the Yarn, JOGSON Hydro Extractor or JOGSON Hot Air Drier can be used to dry the wet package



Step-1 (Open)



Step-2 (Load Package)

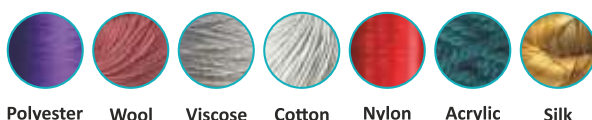


Step-3 (Dyeing)



Step-4 (Dyeing Result)

SUITABLE MATERIALS



Polyester Wool Viscose Cotton Nylon Acrylic Silk

SUITABLE FORMS



Cone Tape Hanks Tops 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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