JOGSON

Yarn Dyeing & Processing Machines

PRODUCT RANGE
INDEX

COMPANY PROFILE 1
SUITABLE MATERIAL & FORMS 2
MULTIPOT SAMPLE DYEING MACHINE 3 - 5
HTHP VERTICAL TUBULAR DYEING MACHINE 6 - 7
HTHP HORIZONTAL TUBULAR DYEING MACHINE 8 - 9
HTHP VERTICAL DYEING MACHINE 10 - 11
MULTICOLOR SPACE DYEING MACHINE 12 - 13
GLYCERIN BATH BEAKER DYEING MACHINE 14 - 15
YARN CONDITIONING MACHINE 16 - 17
HYDRO EXTRACTOR 18 - 19
HOT AIR DRIER 20 - 21
INDUSTRIAL WASHING 22
TUMBLER DRIER 23
PRODUCTS ACCESSORIES 24
GLIMPSE OF INSTALLED PLANTS 25 - 26
EXHIBITION GALLERY 27

CERTIFICATIONS
Long way back, in 1985, JOGSON moved its hands to touch the soul of threads around them. From then, there is no looking back. In the last three decades, JOGSON has contributed relentlessly to design and manufacture high quality, cost-effective & reliable machines for yarn dyeing, conditioning, laundry and drying.

Riding on intensive Research & Development programme, JOGSON is dedicated to improvise existing machines, their manufacturing process with latest equipments and instrument, adopting innovative technologies for better sustainability and providing impeccable service and support.

The JOGSON group abides to International Standards of quality control and safety in every step of design, manufacturing and assembly. All machines are in compliance with local technical regulatory authorities. Certifications like CE, TUV, ASME, IBR are provided according to customer’s requirement.

Further more, JOGSON operates under the standards of ISO 9001 since 2000.

**OUR TEAM**

The experience, expertise and dedication of the company employees contribute significantly in the welfare of the organization to which in return, we provide growth opportunities, industry-leading benefits and a work environment that fosters creativity and leadership.

The practitioner team consists entirely of hands-on experts in process improvement, innovation and allied disciplines. They are practical, well experienced people with passion, commitment and a credible track record in improving manufacturing processes for bottom-line benefit.
SUITABLE MATERIALS

POLYESTER  COTTON  VISCOSE  WOOL  SILK  ACRYLIC  NYLON  HUMAN HAIR

SUITABLE FORMS

TOPS  MUFF  FABRIC  ZIPPER  HANKS  FIBER  CONE  TAPE
MULTIPOT SAMPLE
DYEING MACHINE
Yarn dyeing industry needed a versatile sampling machine for their labs and R&D, so with the inputs of world wide dyeing industry leaders, JOGSON developed a unique and innovative concept in its own, Multi Pot Sample Dyeing Machine which is offered from 2 to upto 8 pots on common table either coupled to dye batches of same colour or can run individually to facilitate dyeing batches of different colours simultaneously. This is very useful for standardizing the recipes of dyeing before batches are taken in bulk. This avoids trial and error methods, hence saves time and resources utilized. Each pot can range from 20 gms. to 10 kg. per batch as per the requirement.

The machine allows sampling in laboratory and very useful for small batch production of expensive yarns. Each pot can be charged with different type of materials. Each pot has its own turbo pump and controller. Main feature of this machine is its perfect reproducibility from laboratory to bulk production.

The machines are available with different levels of automations and can be equipped with either individual dedicated controllers or with centralised controller. They are suitable for dyeing of Polyester, Cotton, Viscose, Nylon, Acrylic, Texturized, Silk, Wool, etc. in various forms of Cone, Tape, Narrow Fabrics, Zipper, Hanks, Ribbons, Tops, Loose Fiber, etc.

**Features**

- All possible coupling options between pots
- Machine body & all parts coming into contact with the dyeing liquor are made of AISI SS 316Ti/316L, highly corrosion resistant
- Each pot equipped with Direct mounted Turbo Pump for liquor circulation (In-Out & Out-In) with Inverter drive for varying speed
- Control panel with JOGSON dyeing programmer TPR13I/PLC & touch interface (Optional)
- MLR ranging from 1:4 to 1:16
- Works on both fully flooded and air pad mode
- Available in semi auto and fully auto models
- Each pot has individual dosing tank with Injection Pump for fast dosing of dye liquor (Optional)
- High efficient heat exchanger which has no heat loss to the ambient (Optional)
- Electric heating as standard
- HT Drain - the machine can be drained at 130° C
- Pneumatically operated top lid safety locking / unlocking
- Human / Machine safety interlocks
- Plug and play model
- Safety level sensor for turbo pump and heating in each pot
- Loading / Unloading system (Optional)
- Modular pipeline design to minimise installation cost
Advantages

- Multiple pots on single table suitable for labs/small lots
- Compact arrangement of JOGSON turbo pump, heat exchanger and piping is the main key to low MLR, high efficiency and floor space saving
- Inverter driven turbo pump for variable flow control; saves up to 40% power consumption hence more Energy Efficient
- HT drain at 130°C for oligomers elimination during polyester dyeing process
- Excellent dyeing result and levelness, High Right First Time
- Water level, pressure, distinctive temperature multiple safety interlock, ensure operational safety
- Modular construction system up to 8 vessels with upgrading possibility

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), approx at 3°C/min with electric heaters.
- Cooling gradient 130°C - 85°C approx at 3.5°C/min. (Cold water of 25°C at 3 bar)
MODELS

<table>
<thead>
<tr>
<th>JVT</th>
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- 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
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 HTPH 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.

The machine is suitable for dyeing of Polyester, Cotton, Viscose, Nylon, Acrylic, Texturized, Silk, Wool, etc. in various forms like Cone, Tape, Narrow Fabrics, Zipper, Hanks, Ribbons, Tops & Loose Fiber.

**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 programmer TPR13/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
- Variable loading possible with flexible loading spindles or capacity reducing dummies
- HT Drain - the machine can be drained at 130° C
- Sampling pot to check the dyeing result while machine is in operation
- Rapid lid Locking / Unlocking & safety inter locking device
- Human/Machine safety interlocks

**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 & Flow Rate
- Excellent dyeing result and levelness, reduces yarn loss
- Water level, pressure, distinctive temperature multiple safety interlock, ensure operational safety

**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)
### MODELS

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- 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.
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. These machines are offered with capacities from 10 kg up to 650 kg per batch. However two or more machines can be coupled to give larger batch size up to 1300 kg. The coupled machines can be run as independent machine also at the press of a button.

Features
- Machine body and all parts coming into contact with the dye liquor are made of AISI SS 316Ti/316L, highly corrosion resistant
- Double Stage Turbo Pump for 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 addition tank with Injection Pump for dosing the dye liquor into the machine
- High efficient heat exchanger which has no heat loss to the ambient
- Variable loading with flexible loading spindles or capacity reducing dummies
- HT Drain - the machine can be drained at 130°C
- 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

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 & 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 installation possible
- Excellent dyeing result and levelness, reduces yarn loss. High Right First Time
- Water level, pressure, distinctive temperature multiple safety interlock, ensures operational safety

Optional Features
- Multiple drain, multiple fill
- Various heating methods such as electric heaters, thermic fluid, steam & gas/diesel burner
- Full capacity Stock Tank with heating & mixing stirrer and transfer pump
- pH meter
- Hydro extraction device
- DPT for ratio fill / metered fill
- Linear and progressive dosing

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)
HTHP VERTICAL DYEING MACHINE

MODELS

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<td>6.5</td>
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<td>8.5</td>
<td>10</td>
<td>12</td>
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<td>23.5</td>
<td>31</td>
<td>38.5</td>
</tr>
</tbody>
</table>

- 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 dosing pump
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract
HTHP Vertical Yarn Dyeing Machine is one of our best selling machines since its introduction. Precision engineered High Temperature High Pressure Vertical Yarn Dyeing Machine have become the first choice of dyeing plants throughout the Textile Dyeing Industry with us having technical experience of around 1000 man years. HTHP Vertical Yarn Dyeing Machine has been designed for dyeing Polyester, Cotton, Viscose, Nylon, Acrylic, Texturised, Silk, Wool & all natural and man made fibers in various forms like Cone, Tape, Narrow Fabrics, Zipper, Hanks, Ribbons, Tops & Loose Fiber. These machines are offered for capacities from 10 kg up to 1500 kg per batch. However two machines can be coupled to give larger batch size up to 3000 kg. The coupled machines can be run as independent machine also at the press of a button.

**Features**

- Machine body and all parts coming into contact with the dye liquor are made of AISI SS 316Ti/316L, highly corrosion resistant
- Double stage turbo pump for liquor circulation [In-Out & Out-In] with Inverter Drive for varying speed
- Control panel with JOGSON Dyeing Programmer TPR13/PLC & touch interface [Optional]
- MLR of 1:5 (Fully Flooded) 1:4 (Air Pad System)
- Air pad System to insert air manually into the machine to create static pressure and to minimize the liquor ratio
- Colour addition tank with Injection Pump for dosing the dye liquor into the machine
- High efficiency heat exchanger inside the machine having no heat loss to the ambient
- Variable loading with flexible loading spindles or capacity reducing dummies
- HT Drain - the machine can be drained at 130°C
- Sampling Pot to check the dyeing result while machine is in operation
- Pneumatically operated Top Lid Open / Close
- Human / Machine Safety Interlocks

**Advantages**

- Compact arrangement of JOGSON Dyeing Pump, Heat exchanger and piping is the main key to floor space saving
- MLR of 1:5, consumes less dyestuff, chemicals, steam, water & produces less effluent discharge, hence it’s ECO friendly & reduces the production cost in respect to conventional vertical machines
- 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 & air pad maintains constant MLR & Flow Rate
- Interchangeable dyeing carriers for Cones, Loose Fiber, Fabric, Muffs, Tops, Bobbin, etc.
- Excellent dyeing result and levelness, reduces yarn loss
- Water level, pressure, distinctive temperature multiple safety interlock, ensure operational safety

**Optional Features**

- Multiple fill
- Multiple drain
- Various heating methods such as electric heaters, thermic fluid, steam & gas/diesel burner
- Full capacity Stock Tank with heating & mixing stirrer and transfer pump
- pH meter
- Hydro extraction device
- DPT for ratio fill/metered fill/partial fill
- Linear and progressive dosing

**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)
## MODELS

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- 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 dosing pump.
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract.
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.

Features

- With options of 4, 6 and 8 colours
- Machine body & 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 possibilities
- Power control panel with PLC & touch interface
- Floor level installation
- Individual colour tanks for stocking dyestuff

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
GLYCERIN BATH
BEAKER DYEING MACHINE

**MODELS**

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<th>Model</th>
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- 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 gear box fitted with electric motor
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract
JOGSON has designed a Versatile, Compact and maintenance free Glycerin Bath Beaker Dyeing Machine which is suitable for developing Dyeing Recipe for Polyester, Cotton, Viscose, Acrylic, Silk Yarns, Zipper Tapes, Narrow Fabric, Sewing Threads & any form of fiber or blended Yarn. This machine is of immense use for dyeing plant, processing units, research and development labs, testing labs, textile institutes and dyes manufacturers.

The Machine is Equipped with Temperature Controller Microprocessor TPR-14 which controls upto 8 programs with battery backup, Electric Gear Motor, Electric Heater, Heating / Cooling Coil, Operator Call & Memory Retention in case of Power Failure.

Option of main power control panel with PLC touch interface is also available.

Glycerine Bath Beaker Dyeing Machine is provided with Human / Machine safety interlocks & Sensors for added safety. It is available in various option having no. of beakers like 6, 8 and 10 with different capacity i.e 150 mL and 250 mL each.

Features
- Machine body and all parts coming into contact with the dye liquor are made of AISI SS 316Ti/316L, highly corrosion resistant.
- MLR of 1:20
- The apparatus comprises of tank, beaker and gear box
- Beakers are capable of with standing pressure upto 6.0 Kg/cm²
- Control panel with JOGSON Temperature Programmer TPR14/PLC & touch interface (Optional)
- Limit switch installed at top cover for operator safety
- Heating & cooling coil made of stainless steel AISI SS 316Ti/316L
- Gear driven energy efficient electric motor
- Ideal for recipe developing & shade matching for large batches
- Simple installation at slab of dying lab

Advantages
- Uniform dyeing
- Hassle free plug and play model
- Low running cost
- Semi automatic operation
- Inching switch for rotation
- Ensures a sound free and smooth working
- Suitable for nearly all fibers and narrow fabrics
- Longer functional life
- Unmatched performance

Technical Data
- Maximum Design Temperature 140°C
- Heating Gradient 25°C - 130°C approx at 1.5°C /min. (Dry Saturated Steam pressure at 7 bar)
- Cooling Gradient 130°C - 85°C approx at 1.5°C /min. (Cold Water of 25°C at 3 bar)
YARN CONDITIONING MACHINE

MODELS

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- 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
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract
JOGSON Yarn Conditioning / Heat Setting Machine is designed with an objective to restore natural properties of yarns i.e. to improve elasticity & strength, regaining moisture level, improving hydrophilic properties, removing snarling & curling effects, Twist Setting.

This dual purpose machine is ideal to treat all natural and synthetic yarns i.e. Cotton, Viscose, Lycra, Blends, Wool, Polyester, Nylon, Acrylic and Silk in the form of Cone, Loose Fiber, Hanks, Muffs, Tops, Narrow Fabrics, etc.

It is offered with various types of yarn carrier trolley like: Creel Type Trolley to Carry Cones, Bobbins, Trolley with Hangers for Loose Yarn, Hanks, socks and Cage type trolley for Loose Fiber, hand gloves, etc. Automatic platform for loading / unloading of yarn carrier trolley is also provided upon customer’s request.

Process Control
The entire process of conditioning starts from material loading. Locking of front door then Vacuum is first created up to 740 mm Hg by water ring vacuum pump to remove the air & impurities from the yarn. This improves penetration by steam & lack of O2 prevents oxidation. Dry steam is then injected in the machine along its entire length ensuring an even distribution of temperature. Vacuum is recreated to remove excess moisture from the yarn.

External Steam Heating of the Machine through Limpet Coil ensures no steam condensation which also helps to maintain the temperature. When Cooling is required for the machine, same Limpet Coil can work with water. Multiple Vacuum, Steam & water cooling cycle are possible by linking two or more programs.

Features
- Machine body & all parts in contact with the yarn are made of AISI-SS 304, highly corrosion resistant
- Insulated external with mineral wool to maintain vacuum pressure which helps in producing cold saturated steam at low temperature
- Low temperature yarn conditioning from 45°C and heat setting upto 120°C
- Maintenance free mono block vacuum pump, ensures upto 95% vacuum gain and homogeneous absorption of moisture
- Direct & indirect heating
- Jacket cooling [Optional]
- Pneumatic operated door lock / unlock with safety interlock as per International Standard
- Variable loading of yarn
- Provided with condensation protection sheet to avoid water droplet on the yarn
- Installed with pressure switch to release the excess pressure through pressure release valve
- Installation at floor level, saves space and requires min. civil work
- Control panel with JOGSON programmer TPR-33 or PLC based touch screen programmer

Advantages
- Twist setting, shrinkage set of yarn
- Reduction in snarling
- Improved dye fixation & affinity
- Improved weaving & knitting performance, fewer needle breaks
- Higher elongation & strength of yarn
- Free from electrostatic charges
- Easy to operate, low maintenance cost and energy efficient
- Uniform moisture regain

Optional Features
- Motorised loading / unloading platform
- SS 304 / 316 vessel

Technical Data
- Design pressure -1 to + 1 bar
- Maximum design temperature 130°C
- Heating gradient 25°C - 130°C approx at 5°C /min. (Dry saturated steam pressure at 7 bar)
- Average steam consumption per kg. of yarn 0.25-0.50 kg. at 7 kg./cm²
- Water consumption [During the vacuum pump operation] at 1 bar is upto 15 Ltrs/min.
- Compressed air requirement 6-7 kg./cm²
- Max vacuum up 720 mm Hg
# HYDRO EXTRACTOR

**MODELS**

<table>
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<tr>
<th>JHS</th>
<th>10</th>
<th>25</th>
<th>50</th>
<th>100</th>
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<tr>
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</table>

- 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.
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract.
- Electric load mentioned above is of electric motor.
JOGSON Hydro Extractor is designed to extract excess water swiftly from the Yarn, Cones, Loose Hank with minimum vibration & Noise. The outer drum and inner basket are made of AISI SS 304, with a top discharge opening, the basket is statically & dynamically balanced. It works under the unique principle of centrifugal force.

We offer two types of Hydro Extractor i.e. (1). Belt Driven, machine mounted on heavy duty 3 leg suspension (2). Direct Driven, basket mounted directly on the drive motor. It is available in different ranges from 3 to 36 movable spindle for cones / bobbin and upto 600 kg, per batch for Hanks, Loose Fiber, Tape, Top, Narrow Fabrics and Garments.

This imitable extractor completes water extractions upto 95% for polyester in around 10 minutes & upto 65% for cotton / viscose in around 15 minutes, ensuring very low moisture retention.

Hydro Extractor is provided with limit switch & inter locking device for added safety. The apparatus is thoroughly checked and inspected at served quality parameters by our experts for ensuring it’s flawlessness.

Features
• Suitable for Yarn, Coir, Jute, Cone, Fabric, Garment, Tape, etc.
• Low operating height
• Smooth running of the machine due to low center of gravity providing noiseless & vibration less performance
• High speed direct drive operation
• Inverter driven energy efficient electric motor with DBR for efficient braking
• Digital timer based process control
• Can be installed on any floor as it’s operation is smooth and vibration free
• Automatic DC brake (Optional)
• Automatic Loading / Unloading (Optional)

Advantages
• Rewinding can even be eliminated in a lot of cases
• Low residual moisture
• Low energy consumption
• Processes many different size packages
• Operator of centrifuge can also load dryer
• Maintenance free brakes
• Closed system for effluent
• Significant energy savings
• Easy and economical operation
• Short cycle duration
**HOT AIR DRIER**

![Image of hot air drier]

**MODELS**

<table>
<thead>
<tr>
<th>JHAD</th>
<th>Batch (Kg)</th>
<th>Electric Load (Kw)</th>
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<tr>
<td>600</td>
<td>1000</td>
<td>4</td>
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</tbody>
</table>

- 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 circulation blowers and electric dehumidifier.
- Scope of delivery and technical specification of the product supplied shall be in accordance with the contract.
Hot Air Drier is specially designed for drying almost all types of natural and man made Yarns like Polyester, Cotton, Viscose, Acrylic, Silk, Wool in various form like Loose Fiber, Hanks & Cones.

**Construction**: Exterior is made of fully insulated mild steel square pipe and covered with mild steel sheet with powder coated paint finish. Interior, the insulation is covered with galvanized sheet duly coated with high temperature resistant coating.

**Insulation**: All sides of drier cabinet are fully insulated with 50 mm thick glass wool for preventing Heat Loss / Heat leakage.

**Doors**: Front open able hinged doors, insulated with 50 mm thick glass wool & door are lined with silicon rubber gasket for preventing any heat loss.

**Locking**: In case of single door cabinet, spring and roller type latch is provided & in case of double door cabinet, container type rod locking assembly is provided for effective secure seal.

**Air Circulation**: Forced air circulation is done by specially designed re-circulation blowers fitted inside the drier for better uniformity of temperature inside the chamber.

**Ventilation**: Very efficient electric De-humidifier operated with digital timer is provided along with adjustable manual air damper.

**Technical Data**
- Maximum design temperature 140°C
- Heating gradient 25°C - 130°C approx at 5°C /min. (Dry saturated steam pressure at 7 bar), approx at 3°C/min with electric heaters

**Heating**: Various heating methods are offered as per the requirement such as electric heating, heating by thermic fluid or steam with fin type heat exchanger.

**Carrier Trolley**: For loose hanks carrier trolley is provided with aluminum hanger for hanging the hanks. Removable trays are provided for drying loose fiber and trims. Creel type trolley is provided for drying cones and bobbins. Drier is designed with foldable ramp for loading/unloading the carrier trolley.

**Automatic Power Control Panel**: Equipped with JOGSON Temperature Programmer TPR-14 which controls up to 8 programs with battery backup, blower fan On/Off, rate of temperature rise, hold time, operator call and memory retention in case of power failure.
Front Loading Industrial Washing machines have been designed by using advanced technology to serve the Laundry Industry, Textile Industry, Hospitals, Hotels, Institution, etc.

**Features & Advantages**
- Exterior made of AISI SS 304
- Perforated inner basket is made of AISI SS 316
- Suitable for nearly all fabrics & garments like: denim, woolen, knitted, etc.
- Easy Material Loading & Unloading
- Upto 500 kg per batch
- Inverter driven energy efficient electric motor
- Options of heating by electric heaters, thermic fluid, steam, etc.
- Automatic functioning
- Equipped with JOGSON Temperature Programmer - TPR 14
- PLC based touch panel (Optional)
- Dosing pump and tank (Optional)
- Safety device fitted on main door

Tumbler Drier is specially designed to serve the Laundry Industry, Textile Industry, Hospitals, Hotels, Towel Plants, Denim Processing Industries, Dying Houses, Home Furnishing and various Institutions.

**Features & Advantages**
- Suitable for all types of fabrics & garments
- Exterior made of mild steel duly painted
- Perforated inner basket is made of AISI SS 316 with paddles for consistent garment lifting
- Inching of inner basket to prevent tangling of garments
- Large door opening for easy Loading / Un-loading
- Die pressed door with see through toughened glass
- Upto 500 kg per batch
- Double walled insulation with glass wool for heat loss prevention
- Inverter driven energy efficient electric motor
- Options of heating by electric heaters, thermic fluid, steam, etc.
- Automatic functioning
- Equipped with JOGSON Temperature Programmer - TPR 14
- PLC based touch panel (Optional)
- Safety device fitted on main door
GLIMPSE OF A FEW OF OUR INSTALLED PLANTS WORLDWIDE

- Vertical Dyeing Machine Plant
- Yarn Conditioning Machine Plant
- Hot Air Drier Plant
- Hydro Extractor Plant
GLIMPSE OF A FEW OF OUR INSTALLED PLANTS WORLDWIDE

- Vertical Dyeing Machine Plant
- Horizontal Tubular Dyeing Machine Plant
- Industrial Washing Machine Plant
- Horizontal Tubular Dyeing Machine Plant
EXHIBITION

GALLERY

Exhibitions and trade shows offer a grand platform for a brand to showcase their products and services. We at JOGSON push ourselves to exhibit more and more in every Established Textile Exhibition happening worldwide.

Showcasing a few pictures from our exhibition gallery for your reference..