



SAVER MAKİNA EQUIPMENT DETAILS

CONTROLLER	SETEX	GERMANY
DRIVER	DANFOSS / ABB/ MITSUBISHI	EUROPE/ JAPAN
VALVE	PERKIN / SAMSON / BARKER	EUROPE
SEAM DETECTOR	GELEC	GREECE
PRESSURE GOUGE	HONEYWEL	GERMANY
İP CONVERTOR	SMC	JAPAN
FLOWMETER	KROHNE	EUROPE
CONTACTOR	SCHİNDER	FRENCH
ENTANGLEMANT SENSOR	SİCK	ALMANYA
DOSING PUMP	BARKER	EUROPE
AIR PIPES	ZEC	ITALY
SELENOID VALVE	PARKER /JELPC	EUROPE / CHINE
MAIN PUMP	TURBOSAN	TURKIYE
MOTOR	WATT/GAMAK	TURKIYE
ELECTRICAL EQUIPMENT	SCHNEİDER	FRENCH
BELT	BANDO/ORKO	TURKIYE
SEAL	ROTA SEAL	TURKIYE
STAINLESS STEEL	OUTOCUNTO	FINLAND
LEVEL CONTROLLER	DACS	TURKIYE
TEMPERATURE CONTROLLER	DACS	TURKIYE
O RING	CETIN CONTA	TURKIYE
LEVEL CONTROLLER C.TANK	ELİAR	TURKIYE
LEVEL CONTROLLER D.TANK	ELİAR	TURKIYE
LEVEL CONTROLLER S.TANK	ELİAR	TURKIYE
PROPORTAINAL VALVE	NORDSTEAM	TURKIYE
SAND PLUST	CELİK BİLYA KUMLAMA	TURKIYE

1. Starting Electric Load : Very Low
2. Running Load :Very Low
3. Nozzle System : adjustable nozzel
4. Friction on fabric : no friction
5. Process time: 6 hour cotton dyeing process
6. Minimum Pressure-on machine heating ration maximum ?. 0,1 up to 5 degree per minute
7. Minimum and pressure running :0,1 up to 1,5 bar
8. Heat recovery system : yes we have combined rinsing and cooling for energy saving
9. Steam Saving: yes we have combined rinsing and cooling for energy saving
10. Liquor Ration: 1/4
- 11.water consumption:20-30lt/kg fabric depends on process u us

- All metal parts of the machine are made of stainless steel materials in acid-resistant (EN 10028-7) standard and AISI 316L quality.
- The stainless plate materials of the machine are of European origin and certified.
- 1 gear-type cover for loading and unloading goods in each compartment; locking safety device with a pneumatic piston and sight glass with stainless metal grill protection included.
- Illumination and washing system inside the body
- Personnel Entry Cover located on the side of the machine.
- Vacuum-preventer disco check valve in body discharge, pressure switch, safety valve, pressure transmitters.
- Pneumatic on/off breathing and pre-discharge valve.
- Water intake valve of the machine

SPECIFICATIONS

The new HT UNICO is the result of 20 years of experience in dyeing with low flotte ratios. The new HT UNICO, which is a solid investment for every dyehouse due to its excellent performance, optimal input usage and reduced process times, also guarantees minimal environmental impact and advanced sustainability. HT UNICO offers new perspectives and possibilities for all innovative textile companies via efficiency and increased reliability

- **1 KG %100 COTTON**
cotton fabric can be dyed just 20 lt water.
- **J-BOX CAPACITY**
100-300 kg depending on the fabric type.
Liquor Ratio for Hydrophilic fabric 1:1,5 LIQUOR RATIO
- **%25-%35**
ess electricity use in comparison to HT Conventional machines

The new HT UNICO is the result of 20 years of experience in dyeing with low flotte ratios. The new HT UNICO, which is a solid investment for every dyehouse due to its excellent performance, optimal input usage and reduced process times, also guarantees minimal environmental impact and advanced sustainability. HT UNICO offers new perspectives and possibilities for all innovative textile companies via efficiency and increased reliability.

ADVANTAGES

MIN. INVESTMENT COST

- Opportunity to recover your initial investment costs in a minimum of 6 months MIN. AREA
- Saves %30 space due to compact structure according to conventional machine
- Compared to conventional dyeing machines, the savings obtained from chemical, dye, water and process time can be determined as additional superiorities of the system
- Viable 1:3.5 bath ratio for knitted fabrics
- Consumed water and steam between 45-60% less relative to conventional machines depending on fabric and process type.
- Electricity consumption is between 25-35% less in comparison to conventional machines.
- Up to 20% less dosing time with advanced dosing system
- Enhanced energy savings due to reduced water, electricity and steam consumption.
- Decreased processing times due to rapid heating and cooling technology.
- Opportunity to recover your Initial Investment costs in minimal time.

- Lower water contamination with less water consumption and 20%-35% less chemical pollutants in waste water as well as lower water usage rates.
- Healthier choice for a cleaner environment.

NOZZLE DRIVE SYSTEM Damper engine provides 40 N.m torque for vertical operation of the Moving Cone

CIRCULATION PUMP DRIVE SYSTEM Preferred system due to ease of maintenance, operating costs and positive vibration impact compared to alternative methods

BOTTOM COIL Improved heat retention, reduced pump power requirement, enhanced nozzle pressure and heating gradient due to removal of resistance impact on the outlet line of the pump.

PLAITER For establishments with large loading reservoirs; enables higher stacking capacities for lightweight fabrics as well as higher loading capacities for heavyweight fabrics.

AUTOMATIC FILTER SYSTEM Increased time efficiency due to filter change at bath transitions and provides more effective filtration area with unique perforation structure

DOSING SYSTEM Exclusive patented system ensures that chemicals and colorants added to the system are maximally diluted in the main boiler

- **Pump cold discharge, Pump hot discharge (optional).**
- **Cold soft water intake (optional).**
- **Hot soft water intake (optional).**
- **Liquid salt water intake (optional).**
- **RO water intake (optional).**
- **Seam detection and cycle control system.**
- **Flowmeter enables measurement of total water consumption and the consumption per kg/fabric**
- **Inner drum system that minimizes pilling and breakage.**
- **A platform that allows easy access to the towers with its outer drum and upper platform system.**
- **Proportional adjustable Nozzle system: provides the advantage of non-abrasive and break-free dyeing with maximum penetration.**
- **J-BOX side walls are perforated sheet metal, base is covered with a 3mm thick PTFE (teflon) sheet**
- **Circular and vertical type automatic filter system and main circulation pump in the pressurizing line maximizes pump efficiency (Optional).**
- **Flat type, horizontal filter system offered as standard located in the bottom of the fabric loading chamber and within the main body, ensuring a wide filtration area.**
- **The dye kier is heated by a newly-developed patented coil system, located at the bottom of the fabric loading chamber**
- **Horizontal type reserve tank and capacity is ¼ liquor ratio**

General Specifications

- Belt-pulley, power transmission main circulation pump that can operate with liquor ratio.
- Nozzle system with stepless pressure control.
- Heat exchanger; high nozzle pressure and heating gradient with no heat loss due to efficient, no-resistance discharge line design.
- Horizontal reserve tank saves space and emphasizes rapid transfer.
- Pure Teflon with a tempered, 3 mm thick expansion mechanism which minimizes friction coefficient with a special polishing process located in one piece on the J Box base.
- Dosing system that provides maximum dilution of chemicals and dyestuffs in the system with its patented design located in the main boiler
- Paint and chemical containers with indirect heating and mixer.
- Inverter-controlled forward and reverse cloth unloading system. Large-diameter front cover and combined safety system.
- J-Box with increased capacity due to added depth.
- Advanced design J-Box enables dyeing of up to 250 kg of fabric in the 820 mm wide eye via its axial and radial marking systems.
- New collector design features an innovative new coil configuration directly in the flotte to avoid heat loss and enables easy assembly and disassembly.
- Patented sweeping system design extends the life of the heat exchanger by avoiding the merging of steam and water.
- Horizontal static filter system on the coil in the lower collector is easy to remove and clean.
- Large diameter tower inner drum with increased gripping surface helps attain higher fabric speeds

Bangladessh Contacts:

Engr. Atul Devnath

M.B. Trade Corporation

House-57 (1st Floor) , Road-14, Sector -13,
Uttara Model Town, Dhaka-1230, Bangladesh

Mail: atuldevnath@gmail.com ,

Cell: 01713 461 968, 01914 88 64 38,

www.mbtradebd.com