

Laboratory Continuous Dyeing Range



Continuous dyeing process is a very efficient process as compared to batch dyeing resulting in low costs and higher production. Continuous dyeing is employed for Vat, Reactive, Disperse, Sulfur, Acid, Pigment direct etc. Dye stuff and OBAs, in textile processing plants The model is designed and developed so as to prepare the recipe for the CDR machine and also to test Fabric, Dyes, Chemicals, Auxiliaries, etc. For their functional efficiency in continuous dyeing process. Considering the high production of the plant CDR and practically zero chances of correction, laboratory testing before plant production is absolutely necessary, The basic model of Laboratory CDR consists of Padding Mangle, IR Predrier, Chemical padder steam/Thermofix Chamber and Washing tanks. Processes like Pad steam, Pad dry Pad steam, Pad dry pad steam/Thermofix, etc can be carried out

PROCESS

- Padding is done by vertical padder with single dip and nip system.
- Series of guide rollers are provided for easy transportation of fabric.
- Batching arrangement at feeding and delivery end of the machine.
- Washing tanks: 0, 2, 4, 6 (as per requirement)
- Pneumatic loading arrangement provided for squeeze rollers with individual pressure setting
- Digital control and readout for Fabric speed, temperature and padding mangle pressure.
- Flexibility in selection of sections (Colour Padder, IR Pre Drier, Thermofix Chamber, Chemical Padder, Washing Tanks etc) as per process requirement.

MODELS

- Pad - Steam
- Pad - Steam - Washing
- Pad - Dry - Chemical Pad - Steam
- Pad - Dry - Chemical Pad - Steam - Washing
- Pad - Dry - Chemical Pad - Steam / Thermofix
- Pad - Dry - Chemical Pad - Steam / Thermofix - Washing

TECHNICAL INFORMATION

Material Of Construction	: SS 304 & SS 316
Maximum working width	: 300 mm-1200 mm
Dwell time	: 45 sec to 12 min
Fabric Length in Steaming Chamber	
300 mm W.W	: 3 mtrs
1200 mm WW	: 6 mtrs
Max. Temperature Saturated Steaming	: 102°C
Steam Super heating	: 180°C
Thermofixing	: 210°C.
Electric supply	: 415v Three
Utilities Requirement	: (To be provided by customer)
Air	: @ 7 Kg/Cm ²
Steam	: @ 4 Kg/Cm ²
Water	: as per requirement

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