

## Technical Features

- Compact design, body manufactured out of heavy duty AISI316 Stainless steel for all parts in contact with liquor.
- Heavy duty cast stainless steel circulation pump (low pressure high discharge) with mechanical seal to effect circulation and improve dyestuff fastness.
- PTFE sheet mounted inside to prevent and frictional damage.
- Frequently controlled AC drive for accurate speed variation of Lifter Reel.
  
- Machine can be equipped to suit requirement i.e. ranging from manual control to Fully automatic control.
- All critical Bought outs from reputed manufacturers.
- Magnetic Level Indicator.
- High efficiency heat exchanger to ensure quick heating/cooling.
- High volume lint filter, particularly necessary in cotton and heavy GSM fabrics, for sampling process and indication of cycle time (option).

## Technical Data

- Maximum Working Temp 135°C
- Maximum Working Pressure 3.2 Bar.
- Heating Rate : Approx. 4°C/Min upto 90°C & 3°C /Min upto 135°C at Steam Pressure of 6 Bar.
- Cooling Rate : Approx. 4°C/Min At Water Pressure Of 4 Bar and 15°C.

## PLC Automatic Operator System

This system has the capacity to store around 200 dye programs of any length in the controller memory. The most commonly used machine settings are easily entered. The operator can select the required product by the simple push of a button.

Model HTHP	Numbers of Ropes	Capacity kgs (Nominal)	Power HP	Length MM	Width MM	Height MM
CS100	2	100	5	3000	2500	3000
CS250	2	250	7.5	4000	4000	3800
CS500	4	500	16	6000	4000	3800
CS750	6	750	26	7500	4000	3800
CS1000	8	1000	36	9000	4500	3800
CS1200	8	1200	40	9500	4500	4000
CS1500	10	1500	52.5	11000	4500	4000
CS1800	12	1800	65	12500	4500	4000
CS2100	14	2100	72	14000	4500	4000

## Performance

## Knitting Quality into your Fabric

Like the fibre in the fabric, quality is Knitted into every Color soft Dyeing machine. It is this quality that makes Color soft best suited for any fabric dye house.

The most gentle dyeing conditions produce the highest quality fabric. The lowest nozzle pressures, gentle process speeds coupled with tensionless and tangle-free fabric movement, produce outstanding fabric quality, free of pilling, creasing, rope marks and minimum fibre loss.

'Color soft' Dyeing machine is suitable for cotton, synthetic and blended fabric such as polyester, polyamide, lyocell, aipro, polynosic, micro fibre, tencel, urien etc. and blend of all these synthetic fabrics with cotton or with viscose.

'Color soft' ensures saving in chemicals, dyestuff, water, energy, processing time as compared to other conventional machines.

### Features

- Very Low liquor ratio 1:5 for cotton.
- Water consumption is much less than conventional machines, approx 30-40%.
- Less Batch time due to quick fill & drain, less fabric rotation time, fast heating & cooling of the system.
- Low power consumption due to efficient pump & piping design.
- Energy saving, due to low water amount.
- Practically entanglement free running, which enhances dyeing quality.
- Lowest cost per kg. of output.

### Economy

The Color soft range of dyeing machines offers problem-free operations under the most grueling conditions.

The special in-built features make these machines ideally suited for demanding industrial conditions. They are economical in their use of water, steam, chemicals, dyestuff, and process times.