



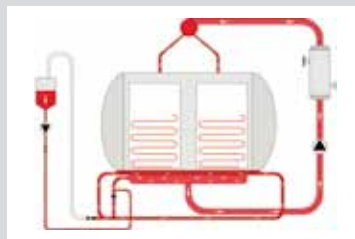
ECOLOGIC PLUS



BRAZZOLI
THE DYEING MACHINES MANUFACTURER

Ecologic Plus - Another step forward in the future

The innovations introduced with the new ECOLOGIC PLUS optimize even more its total automation. The new O.P.S. (Optimized Performance System) replaces the traditional W.S.S. for a better control of dyeing re-circulation flow. The control of the fabric movement has been improved to allow high working speeds without pilling, crease marks and tensions. New technical solutions provide a higher mechanical reliability while maintenance procedures have been changed for optimizing productivity thanks to reduced machines down-times.

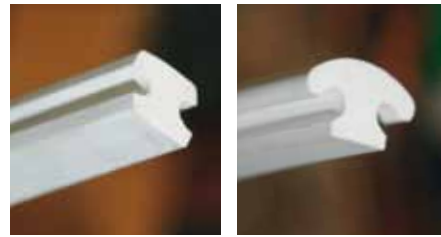


Innotechnology

A worldwide recognized Brazzoli patent that contemplates a transversal movement of the dyeing bath enabling its quick and perfect homogenization to reduce the consumption of water while assuring optimal dyeing conditions with considerable savings of chemicals and energy.



The new reel design allows simple and quick replacement of the rubber stripers without disassembling the whole group to reduce drastically the machine downtimes due to maintenance and increasing of productivity. (OPTIONAL)



New rubber stripes with different profiles and hardness degrees are available to better adapt to the different fabrics, keeping optimal handling without any fabric damage. (OPTIONAL)



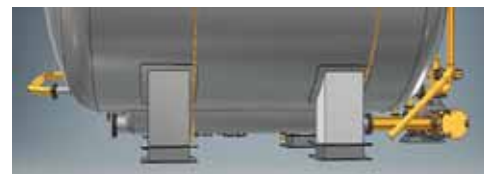
The reel drawing has been completely re-designed as far as shaft, bearings and mechanical seals. Thus resulting in an improvement of the performances, reliability and rigidity of the system taking benefits on less wearing of bearings and mechanical seals. (STANDARD)



The new position of O.P.S. sensor has given perfect stability at the signal without turbulences or foams. The measurement of the turbidity of the bath is continuous, without interruptions. The special software developed by Brazzoli manages these data to keep constant and precise the liquor ratio and the levels of the bath, according to the set recipe. The system automatically controls and determine by partial drains and subsequent re-filling when the water is clean, the washing is over for the undergoing color and automatically end the washing step. (STANDARD)



It is available a counter-flow system to keep optimal tension for heavy weight fabric. Thus making Ecologic Plus the ideal dyeing machine for light and heavy fabrics. (OPTIONAL)



For an easier access during cleaning operations, two inspection flanges have been added to the dyeing bath suction shell under the machine. (OPTIONAL)



The new flange inserted in the pipeline allows a quick and simple cleaning of the re-circulation pump reducing machines down-times. (OPTIONAL)



For better protection of the re-circulation pump, an extra mechanical joint is available between the motor shaft and transmission. (OPTIONAL)



Twin Technology

To increase productivity, all the range of machinery by Brazzoli can work at “double rope” in the same dyeing chamber with medium, light and very light (such as body-size) fabrics without entanglements, tensions and knots.

Twin Split

Equipment for dividing the fabrics after treatment in “double rope”.

Multiflex

The system permits to couple up to 3 machines (Brazzoli exclusivity) having different number of chambers (i.e. 250 + 750 + 500 kg) to produce one lot with same shade (color).

Basis knit cotton 100% - reactive process | Fabric absorption: 200%

	Light shades	Middle shades	Dark shades
Water (l/kg)	20/22	25/26	28/32
Steam (kg of steam/kg of fabric)	1,1	1,2	1,7
Energy (kW)	0,11	0,12	0,13
Process time (H:min) (including loading and unloading)	4:20	4:40	5:00

Final liquor ratio: 3,8

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Brazzoli is part of Arioli Group

