



Dye-Max

Digital spray dyeing





Dye-Max

The imogo Dye-Max –K is designed for dyeing knitted fabrics system and can be used as a stand alone “cold spray batch” line or be implemented in a continuous process where precise and repeatable application of low viscosity dye is required. continuous line.



Mini-Max

The Mini-Max lab unit will further increase productivity and enable right first time dyeing through the recipe testing concept. Once a correct recipe is made the settings can be directly transferred to the Dye-Max unit for production.



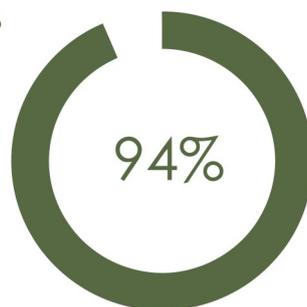
Water



Waste water



Chemistry



Dye



Energy

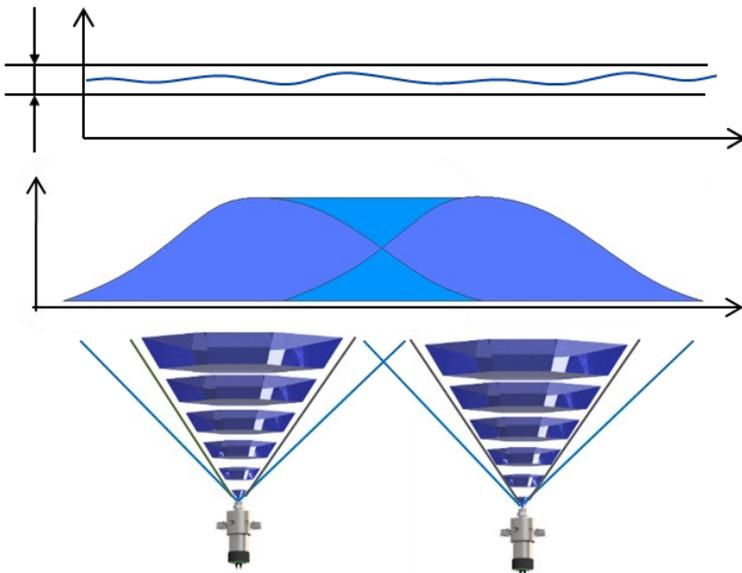


* Savings / kg fabric compared to a jet dyeing process running 5:1 ratio



Digital spray dyeing

The precise application of the dye mix is achieved through a combination of high-speed solenoid valves and precision nozzles. Each precision nozzle has a dedicated imogo Pro-speed valve that is digitally frequency controlled to accurately deliver the set volume. The valve can operate at a frequency of up to 80 hz. The very small droplets that the atomizing nozzles generate are ideal to create a uniform and consistent coverage and penetration of the textile substrate.



Specifications

Production speed range	5 - 50 m/min
Standard volume range ¹	4 – 14 litres/min
Fabric width ²	1.6, 2.0, 2.4m
Water consumption system wash	8-12 litre
Water consumption system clean	15-35 litre

¹ Different volume ranges available

² All sizes can also accommodate narrower fabric

Benefits

- Increased productivity
- Quick change overs
- Constant and clean dye mix
- No side to side variation
- No tailing
- Reduced pickup levels
- Reduced waste at change overs
- Reduced energy consumption
- Quality improvement
- Efficient short sample run capability
- Mini-Max right first-time sampling
- Reduced maintenance
- Production data logging

Compatibility

Reactive dyes

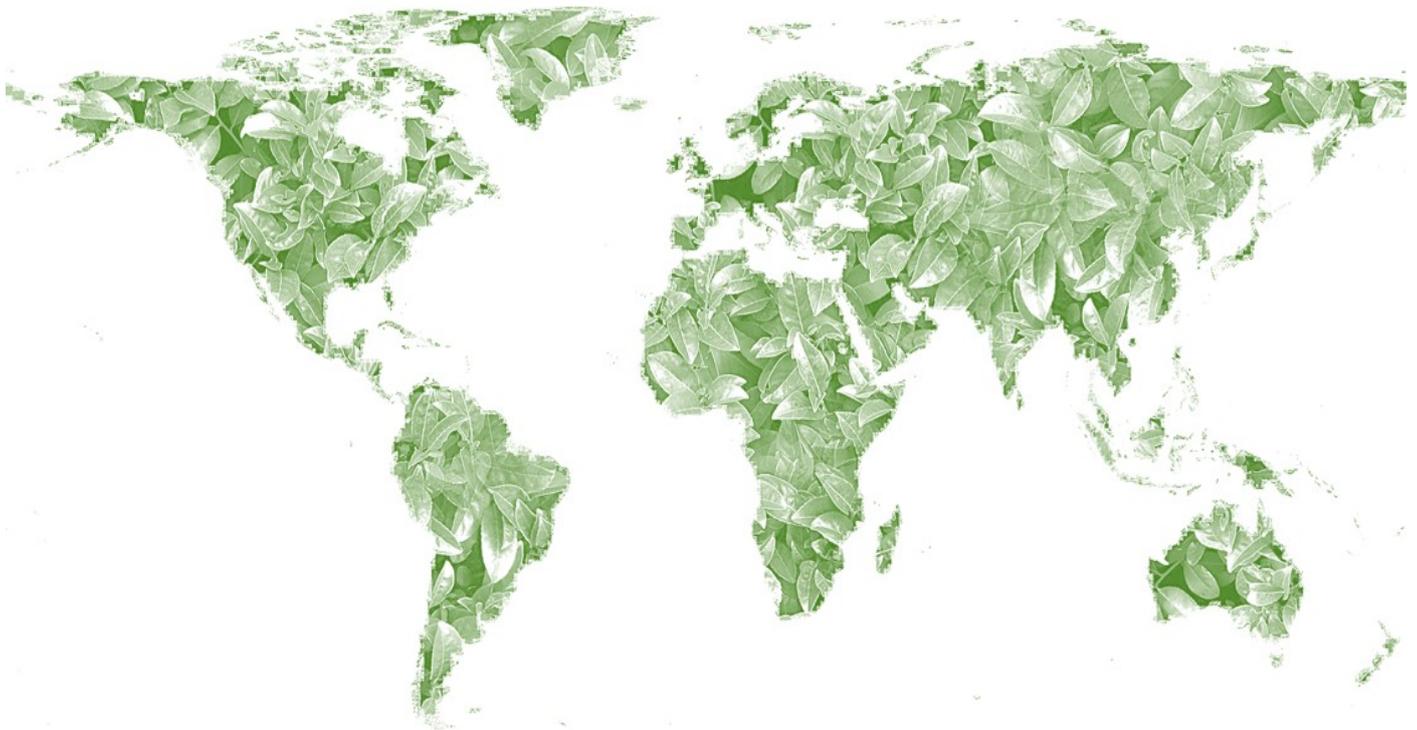
Woven fabrics
Knitted fabrics
Non-woven



Reactive dye samples



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