



 imogo

# Dye-Max

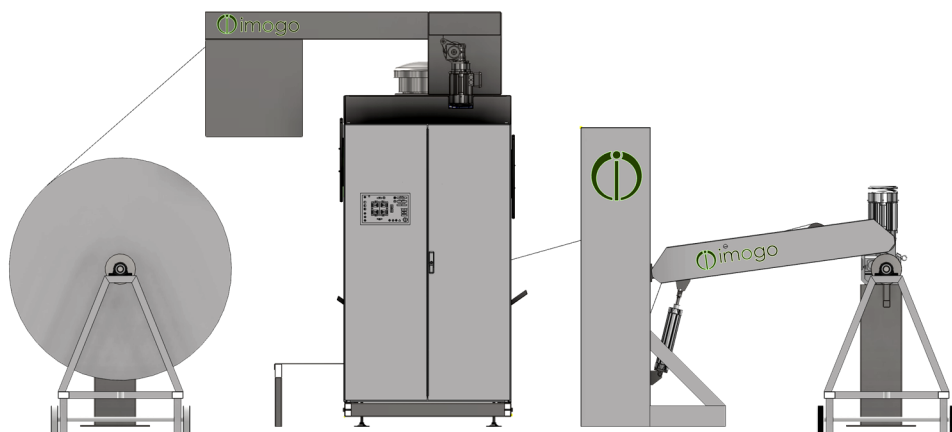
Digital spray dyeing unit



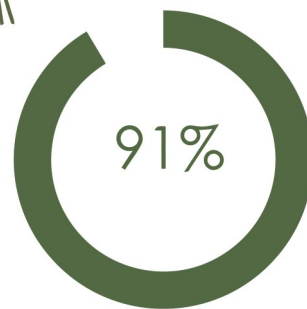


## Dye-Max

The imogo Dye-Max is a flexible system designed to be implemented in just about any process where precise and repeatable application of low viscosity dye is required. In most cases this would mean replacing a padder or jet machine. The system can be configured with customized reel stands for "Spray batch" production or integrated in an existing stenter or continuous line.



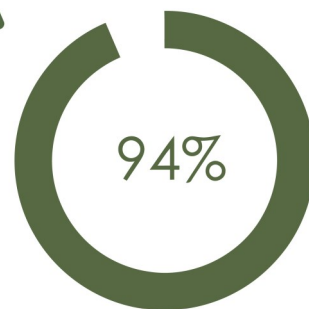
Water



Waste water



Chemistry



Dye



7%



Energy



## 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.

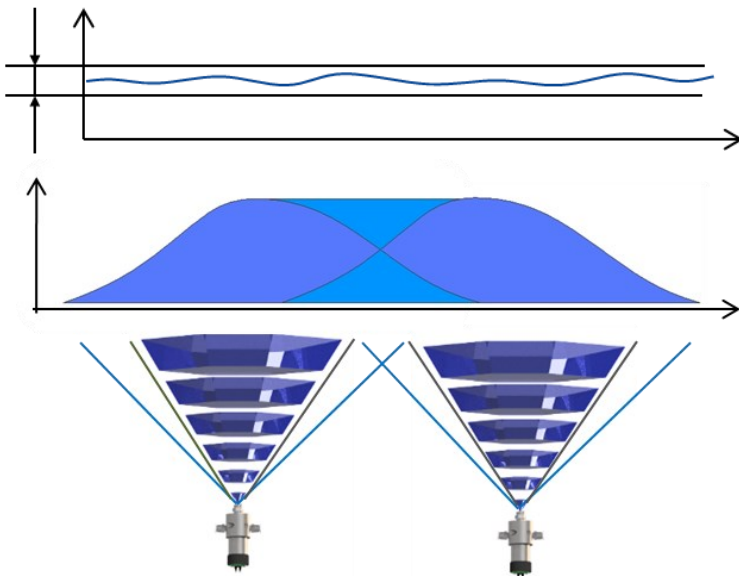


\* Savings / kg fabric compared to a jet dyeing process running 5:1 ratio



## 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	4 – 14 litres/min
Fabric width <sup>2</sup>	1.6, 2.0, 2.4, 2.8m
Water consumption wash	8-12 litre
Water consumption clean	15-35 litre

<sup>1</sup> Different volume ranges available

<sup>2</sup> All sizes can also accommodate narrower fabric

## Benefits

- Increased productivity
- Quick change overs
- Constant and clean dye mix
- 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

Disperse dyes  
Reactive dyes  
Pigment dyes  
Acid dyes

Woven fabrics  
Knitted fabrics

## Reactive dye samples



Jet Dyed



Spray Dyed



## Contact



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