

AUTOMATIC DYEING MACHINE - DRUM TYPE

# GIOTTO



Miniature Laboratory PILOT piece dyeing machine, replicates Bulk Dyeing and fills the void between regular IR Lab dyeing machine and bulk production machine.

#### Main features:

- fully automatic, from pre-treatment to washing off - Load unload principle (similar to bulk).
- Dyes yarns and fabrics made of any dyeable fibres and their blends.
- All parameters are fully programmable, including Auto Dosing.
- About 50 selectable different dyeing programs, each with graphic display.
- Basic model endowed with 3 automatic dosing tanks. To obtain a fully automatic version, 2 additional dosing pumps can be added to each dyeing unit.
- Up to 6 dyeing positions, either H.T. (+135°C) or atmospheric (+98°C), or combined.
- Controller version (with PLC controller) for independent management of each dyeing position.
- Available with different volume capacity, from 300 cc to 6000 cc.
- Liquor ratio from 1:7 up to 1:40 (depending on GSM of fabric to be dyed).
- Continuous programmable Reduction clearance possible (for PES and its blends), allowing continuous dyeing of PES Blends.
- Excellent repeatability within one bath and reproducibility among baths - delta (<0,4 CMC 2:1) and RFT (> 95%).
- Made in Italy out of best quality stainless steel.

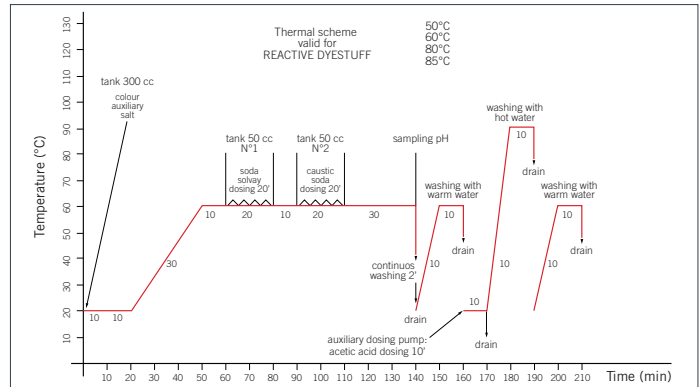


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MANAGEMENT SYSTEM  
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= ISO 9001 =  
= ISO 14001 =

## Technical characteristics:

Each dyeing position is equipped with a main dosing tank for primary filling and two tanks of 50 cc each for automatic programmed chemicals. Additional dosing pumps can be added as option up to 2 per position. The programmable functions enable the instrument to operate like a large scale machine with:

- completely independent dyeing positions
- automatic water filling and automatic dosing
- automatic temperature control  $\pm 0.2^{\circ}\text{C}$ , Auto ramping, Auto hold
- automatic dyeing bath drain
- auto washing and neutralising

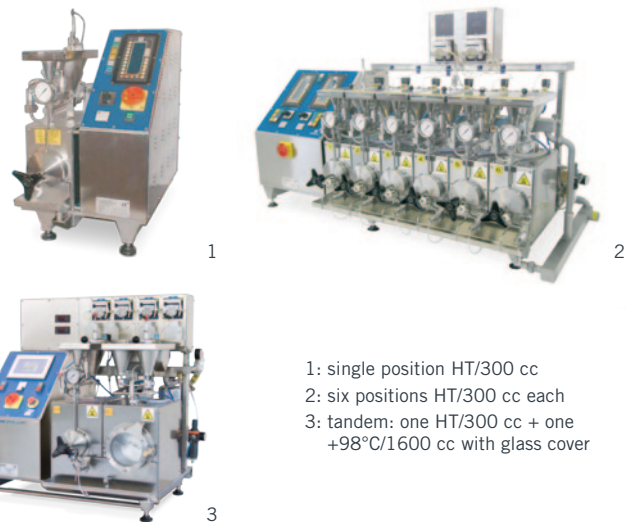
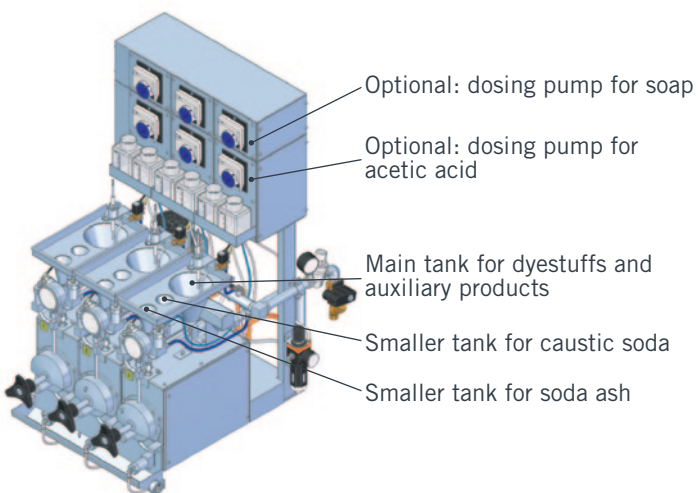


## Available Standard Configuration

No. OF DYEING POSITIONS	GIOTTO +98°C 300 cc	GIOTTO +98°C 600 cc	GIOTTO +98°C 1600 cc	GIOTTO +98°C 6000 cc	GIOTTO HT +135°C 300 cc	GIOTTO HT +135°C 600 cc
1 Dyeing Position			<b>323T5.192</b>	<b>323T5.198</b>		
2 Dyeing Positions			<b>323T5.194</b>	<b>323T5.200</b>		
3 Dyeing Positions	<b>323T5.184</b>	<b>323T5.188</b>	<b>323T5.196</b>	<b>323T5.202</b>	<b>323T6.208</b>	<b>323T6.212</b>
6 Dyeing Positions	<b>323T5.186</b>	<b>323T5.190</b>			<b>323T6.210</b>	<b>323T6.214</b>

GIOTTO can be equipped - on special demand - with dyeing positions having different capacity, as well as different dye bath temperatures.

Configuration examples:



### OPTIONAL / ACCESSORIES

- To obtain a fully automatic version, 2 additional dosing pumps can be added to each dyeing unit.
- pH valve available on HT version.

Photograph and description of the present leaflet have to be considered as purely indicative and not binding  
 Rel. En 2015-11

### DIMENSIONS / POWER SUPPLY

Power supply: 400 Vac, 50 Hz, three-phase + N  
 Inlet water: 3 Bar Min 5 Bar Max  
 Air requirement: 7 Bar

## MESDAN DYELAB III