

## AUTOMATIC DYEING MACHINE - *STATIC TYPE*

# LODO



Ideal for small samples of yarn cones, bulk fibers, fabric beams and yarn skeins.  
Different configurations of automation levels are available to increase dyeing REPEATABILITY to reach the highest possible Right First Time (RFT).

### Technical features:

- 3 VERSIONS available: MANUAL - STANDARD automation - FULL automation
- from 1 to 6 INDEPENDENT UNITS with 1000 or 2000 cc capacity
- atmospheric and high temperature dyeing (max +135°C)
- variable liquor ratio: from 1:30 down to 1:5 (depending on specimen type)
- with programmable and user-friendly PLC microprocessor with touch screen display - up to 50 programs memory capacity
- MADE IN ITALY with highest quality standards, safety features and low environment impact.
- each DYEING UNIT is equipped with:
  - automatic continuous washing system and drain of the dyeing bath
  - reversible circulation pump (to allow bath flow from the inside-outside, and vice versa)
  - safety thermostat, as per CE norms
  - high quality thermal insulation system (to save power and enable faster temperature increase)
  - automatic indirect water cooling system by means of an electro valve



COMPANY WITH  
MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
= ISO 9001 =  
= ISO 14001 =

## Available standard configuration:

n° of dyeing positions	LODO HT 1000cc	LODO HT 2000cc
3	code <b>323P6.332</b>	code <b>323P6.342</b>
6	code <b>323P6.338</b>	code <b>323P6.348</b>

LODO can be supplied upon special demand with 1, 2, 4 or 5 positions as well

## Optional accessories:

### For ALL versions:

Different sample holders available on request, for:  
Bulk Fibers, Yarn skeins, Yarn Cones, Fabric beams

### For the MANUAL version:

- Injector **code 323P6.302** - for manual dosing (one per each dyeing unit is required).
- Dosing syringe **code 323P6.304** - for manual introduction of auxiliaries (one for all the units).

### For the STANDARD AUTOMATION version:

Automatic built-in dosing device: 1 main tank + 3 smaller tanks  
D-1, D-2, D-3 (one per unit required):

For 1000cc capacity unit	For 2000cc capacity unit
Main tank of 1200 cc + 3 tanks of 45 cc each <b>code 323P6.306</b>	Main tank of 2400 cc + 3 tanks of 45 cc each <b>code 323P6.350</b>

- Dyebath recycling Kit, **code 323P6.308** (for the main dosing tank)  
For a better color and salt dilution in the dyeing bath and for the collection of a bath sample.
- Probe Kit, **code 323P6.352** (for the main dosing tank).  
To check inlet water level, it allows the automatic inlet of a pre-set quantity of water.

### For the FULL AUTOMATION version:

- Extra Pump D-4 Dosing Kit, **code 323P6.310** (one per dyeing unit): to operate LODO HT without any operator attendance.
- Extra Pump D-5 Dosing Kit, **code 323P6.312** (one per dyeing unit): recommended when the sole Extra Pump D-4 Dosing Kit is not enough.



Probe kit Main dosing tank Automatic water inlet



Dyebath recycling Kit Smaller tanks for auxiliaries

## POWER SUPPLY

Power supply: 400 Vac, 50 Hz, three-phase + N  
Air requirement: MINIMUM 6 Bar air pressure  
Inlet water: 3 Bar Min. 5 Bar Max.

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

# MESDAN DYELAB III