

ATI

ADVANCED TESTING INSTRUMENTS



TESTING INSTRUMENTS FOR DYEING
& FINISHING & COATING & PRINTING

TD130 INFRARED LAB DYEING MACHINE

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Infrared Lab Dyeing Machine is suitable for all fibers and substrates' dyeing. The infrared dyeing system produces accurate laboratory sample dyeings with level and reproducible results and accommodates up to 24 positions with a low liquor ratio for synthetic and natural fibers. This infrared dyeing system moves the beakers in a circular rotation with advanced infrared heating technology eliminating glycol contamination and cumbersome beaker cleaning.

For the accurate dyeing, after the temp. reaches 80 degree, it is required to add assistant into the beaker in a long period, and most IR dyers is adding liquid by using injector, but it is too fast. While TD130 is different, by adding liquid into the auxiliary beaker on top of the cap, and the liquid is kept adding to the main beaker very slowly through the tiny hole of cap. This device is to simulate the actual dying process that the pump adding assistant slowly, and this Chemical Adding kits is offered on request.

FEATURES

- Three ~ dimensional turning, clockwise and anti-clockwise running makes even dyeing results.
- Beakers are made of quality SUS304 stainless steel, heating fast and level, specially pressure-tested beakers offer maximum safety for atmospheric and high-temperature dyeing.
- Infrared heating continuously (non-off-type) by quality infrared heaters which 360-degree ring-shape, direct heating on steel beakers, to let dyeing equably and saving 50% electricity.

SPECIFICATIONS

- Temperature range: RT ~ 140oC
- Beakers: 24 pots / 300 ml (or other No. of quantity and volume)
- Heating or cooling speed: 0.5 ~ 2.5oC /min
- Temp. Control accuracy: 1oC
- Rotation speed: 0 ~ 50rpm (adjustable)
- Liquor Ratio: 1: 5 ~ 1: 10

OPTIONS

Chemical adding kits, specially designed chemadd lid (dye pot cap) and chemadd pot (for chemical powder or solution additions) to add chemical without opening dye pot ensures temperature stability during the dyeing.

POWER: 220 / 110 V 50 / 60 Hz 4 kW

WEIGHT: 155 kg

DIMENSIONS: 920 x 840 x 1070 mm (L x W x H)

