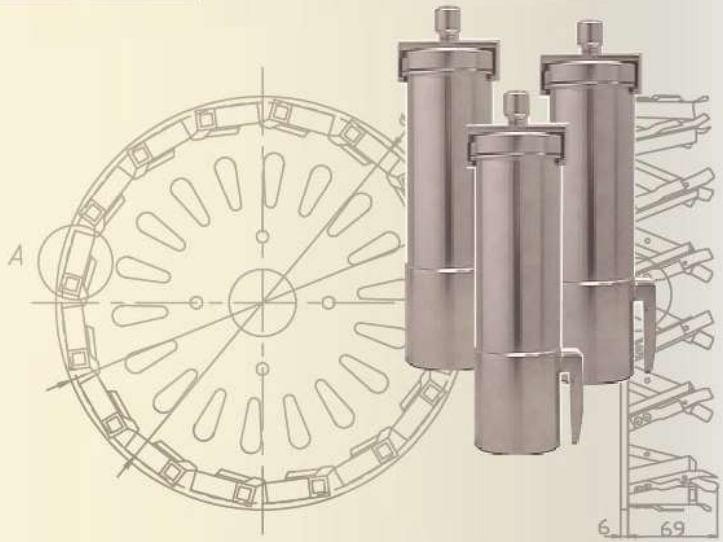
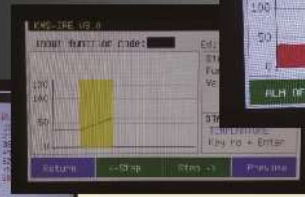




KMS Colortech Service Co., Ltd.

IR Elite Lab. Dyeing Machine IRE



Principal Advantages:

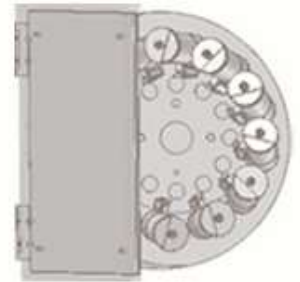
- Free from Polyethylene Glycol Pollution.
- Suitable for different kinds of fabric, yarn, fibre and blends.
- Fully programmable UPC-Touch controller.
- Low liquor ratio.
- Level dyeing.

Easy Operation:

- Just simply recall the stored program number for dyeing.
- Easy plug-in and removal of dyetubes.
- Chemadd lid (dyetube cap) designed so that there is no need to open the dyetube for chemical addition during dyeing.

Dyetable & Carrier:

- 3 dimensional design and 360 degree turning to offer level dyeing results.
- Clockwise and anti-clockwise running.
- Speed adjustable from 5 to 90 rpm (depending on nature of fibre and structure)



Dyepot sizes :

(a) 16 position carrier:	(b) 20 position carrier:	(c) 12 position carrier:
175ml × 16 dyetubes	175ml × 20 dyetubes	175/350ml × 12 dyetubes
350ml × 16 dyetubes	350ml × 10 dyetubes	500ml × 12 dyetubes
500ml × 8 dyetubes	500ml × 10 dyetubes	1000ml × 6 dyetubes
1000ml × 4 dyetubes	1000ml × 5 dyetubes	
(d) 5 Litre Dyetable with Rotating Device × 1		

Temperature Measurement:

- Using PT100 for accurate temperature measurement.
Direct measurement of the temperature of dye
- solution inside the dyepot.
- Calibration of controller temperature.

Cooling mechanism:

- Air-cooled.
- No cooling water needed therefore energy saving.
- Drop temp gradient from 2 C/min. to max. 4 C/min (full capacity).

Heating System:

- High efficiency 3.0 kW Infra-Red heating tube.
- Temp. max. up to 140 C (284F).
- Raising temp. gradient from 0.1 C/min. to max. 5 C/min (full capacity).

PLC curve type computer control:

- Using UPC-Touch curve microcomputer controller therefore both stable and reliable.
- Storage capacity: 100 programs, each incorporating up to 30 steps.
- Graphic display: display of all processing steps, temp., time, clockwise or anti-clockwise motion, and speed (if programmed).
- Temp. max. up to 140 C.
- Time control maximum of 255min.

OPTIONS:

● Chemical adding system (patented).

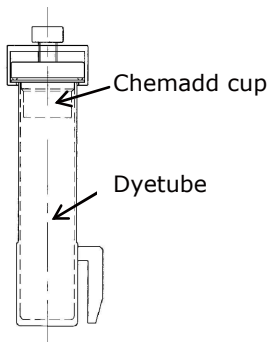
Specially designed chemadd lid (dyetube cap) and chemadd cup (for chemical powder or solution additions) means that there is no need to open the dyetube to add chemical during the dyeing process. This avoids any temperature change and also means that the chemical is not added directly to the dyeing materials, thereby providing a reproducible and even dyeing.

● Program loading software included PC software and interface cable.



● Accessories:

Provided with Chemadd-lid kit, yarn sample holder, fabric sample foil holder.



Flat Lid dyetube



Dyeing process curve example

Specification:

Dimensions (W×D×H)	715×695×1025 mm
Machine Weight	about 120 kg
Power consumption	3.5 kW
Voltage	Single phase 220 V ± 5%, 50 Hz
Working environment	below 60°C



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