



Heritage & Innovation in Textiles

PYROTEC³

The global leader in infra-red dyeing technology

Reliability, accuracy and consistency this is Pyrotec³. Pyrotec³ is a global leader in infra-red dyeing technology and is fully endorsed by major dye stuff and auxiliary chemical suppliers as their **model of choice.**



Pyrotec³ is fully compatible with the AD-Chem dosing system. This simple yet effective device allows a liquid product to be introduced into the dye tube in a controlled manner.

Ad-Chem allows the laboratory process to better replicate the bulk dye process.

Pyrotec³ has an extensive range of dye tube sizes and will process up to 24 tubes in a single dye cycle. If you value your lab-dip efficiency and performance then Pyrotec³ is a must for your colour development laboratory.

FORM

Pyrotec³ has a robust construction with a coated mild steel exterior shell and a high grade stainless steel interior chamber, tube carrier and tubes.

- Highly efficient air cooling system, removing the necessity for connection to water supply and drainage
- Factory set maximum temperature level with audible alarm
- A totally independent quartz high efficiency heating system
- Door locking mechanism to disable carrier rotation and machine heating

9 dye tube sizes are available, with a machine capacity from 1 tube to 24 tubes in the machine at any one time

FUNCTION

Pyrotec³ includes the Roaches digital micro-processing controller. This intuitive technology ensures minimal training for technicians and highly accurate process control.

Programming options are simple and easy to input, these are pictorial so there is no need for multiple language settings.

Pyrotec³ provides a temperature range from 40°C (ambient) to 135°C for maximum substrate and dye cycle conformity.

- System control and temperature calibration accuracy $\pm 1^{\circ}\text{C}$
- Temperature control with a $\pm 0.25^{\circ}\text{C}$ accuracy
- Maximum heating gradient at $3^{\circ}\text{C}/\text{min}$ up to 135°C
- Maximum cooling gradient at $3^{\circ}\text{C}/\text{min}$ from 135°C to 70°C (ambient temp 18°C)

Total control for time, temperature and rotation speed provides the ideal parameters to produce the perfect lab-dip



TECHNICAL SPECIFICATIONS

DIMENSIONS

LENGTH: 750mm

DEPTH: 580mm

HEIGHT: 640 mm

Unit weight 80kg (excluding tubes)

ELECTRICAL

VOLTAGE: 230V

FREQUENCY: 50/60Hz

Single Phase



MADE IN ENGLAND TO THE
HIGHEST SPECIFICATIONS

TUBE SIZE, MACHINE CAPACITY AND VOLUME

CODE	MAXIMUM MACHINE CAPACITY	TUBE VOLUME	WORKING VOLUME
A	24 tubes	100ml	82ml
A1	16 tubes	180ml	135ml
B	16 tubes	275ml	215ml
B1	8 tubes	400ml	300ml
B2	8 tubes	650ml	450ml
C	8 tubes	1000ml	750ml
D*	4 tubes	2000ml	1500ml
E*	2 tubes	4000ml	3000ml
F*	1 tubes	8000ml	7200ml

*D, E and F tubes will require a dedicated carrier plate for each tube size

Roaches machines meet specifications set by leading retailers such as:



MARKS &
SPENCER



DECATHLON

next

George.



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