

## EmbraLabs

## CT4 Mashing Bath

Preparation of extract by IOB, EBC or ASBC procedures



### Principle of Operation

The CT4 Mashing Bath replaces the world-renowned CM1/3 Mashing Bath. The apparatus consists of a stainless steel bath supported in a steel framework. An integral pump circulates water through the heater box and bath. Beakers in the bath are stirred using magnetic followers driven by electric motors beneath the bath. All samples are mashed and cooled together. Distilled water for mashing is heated in a separate stainless steel accumulator and dispensed to the beakers by an electric pump.

### Features:

- ▶ PLC control
- ▶ Colour graphics with touch display
- ▶ Programmable delayed start
- ▶ Audible alarm
- ▶ Two automatic pre-programmed mashing sequences
- ▶ Two user programmable sequences
- ▶ Ethernet connection
- ▶ Facility to handle up to 25 samples per batch

### Benefits:

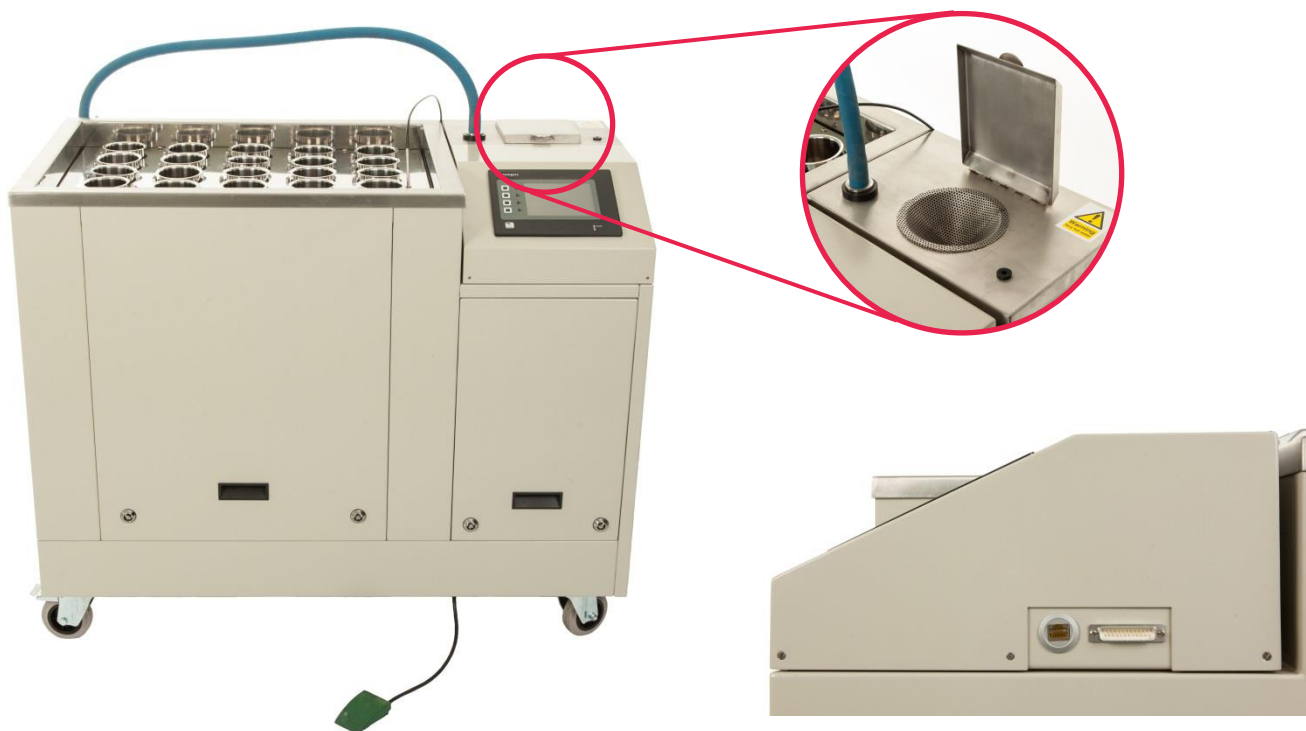
- ▶ Bath temperature controlled by internal regulation unit
- ▶ Temperature measured and controlled to  $\pm 0.2^{\circ}\text{C}$
- ▶ Low level water cut out
- ▶ Overview screen to monitor all control and I/O operations
- ▶ Simple touch screen access to volume calibration
- ▶ Real time trending of machine sequence
- ▶ Accurate water dispense ( $\pm 5\text{ml}$ ) to all beakers in less than 2 min
- ▶ Data storage of last 30 processes



Touch display panel

## CT4 Mashing Bath – Specification

Case:	Painted Mild Steel
Bath:	Stainless Steel
Net Dimensions:	113cm x 86cm x 61cm / 44.5" x 33.8" x 24" (l x h x w)
Approx. Gross Weight:	270 Kg / 595 lb
Power Supply:	220 – 240vAC; 50/60 Hz; 31 Amp



The bath is designed to be fully automatic although some of the operations can be done manually. Manual control of the water fill valve, the water drain valve and each motor stirring bank are all possible. Installation of the CT4 is quick and easy, a competent fitter can carry out electrical and mechanical connection.

