



SmartDispen Detergent Dispenser

The SmartDispen is a sample preparation device for soaping washing color fastness testing, which greatly improves the accuracy and efficiency of testing. It weighs soap flakes and dispenses water, then heats and stirs. And dispenses soap based on the sample bath ratio. Finally, it outputs a set number of steel beads. This prepares the soap for color fastness testing in one step. This reduces manual error and makes the test more reliable. The three-station design can prepare three different samples at once.

SmartDispen

Detergent Dispenser



	Power 220V 50HZ
	Weight 70kg
	Dimension 610*510*530 mm (L*W*H)

The Specification of SmartDispen

Balance	weighing limit 600g, accuracy $\pm 0.01g$
Soap tank	working volume 5000ml * 3
Single pumping volume of soap	2.5~1000ml
Liquid output accuracy	1ml \pm 5%
Soap pumping speed	$\leq 28ml /s$ (with steel balls)
Temperature control range	0~60°C, precision $\pm 1^\circ C$
Grade of water	Tertiary water (purity)

- Three stations can be operated independently to dispense different soaps.**

The three stations can be independently temperature controlled and they can dispense soap separately, so the sample preparation for washing color fastness testing can be completed within minutes. This greatly improves the efficiency of sample preparation and allows the textile laboratory to perform more wash color fastness tests per day.

- More reliable testing**

High-precision balance for automatic weighing, automatic soap dispensing according to the strict bath ratio, and fully automatic soap flake stirring and dispensing, as well as precise temperature control and ball counting, all make sample preparation more accurate and testing more reliable.

- Smart Sample Preparation Device**

The instrument connects to the SmarTexLab APP via IoT on a smartphone or computer. It then connects to ERP/LIMS through an API. The instrument can also connect directly to ERP/LIMS. Sample orders and standards can be sent to the instrument. The sample information can be read by scanning the code. The operator can remotely monitor the status of sample preparation. You can use online chat to get quick support from ChiuVention customer service. Also, receive reminders to calibrate, maintain, and replace consumables on the instrument. Lastly, perform OTA remote upgrades regularly.