



SmartFill Liquid Filling Machine

The SmartFill is a matching device of washing color fastness tester, which can greatly improve the accuracy and efficiency of the test.

It is equipped with a weighing balance. After weighing the sample, it automatically prepares and heats the soap solution according to the set bath ratio, and outputs the soap solution at a constant temperature, also outputs the set number of steel balls into the test cup.

The SmartFill makes sample preparation more accurate and efficient, and it enhances economic efficiency by allowing wash color fastness testing to be done immediately without waiting.

The SmartFill can also be connected to the SmartTexLab App installed in the smartphone via WIFI, allowing the operator to perform a series of operations on the phone, such as setting the bath ratio, and temperature, and making appointments for replenishment of the soap and heating, etc.

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The Specification of SmartFill

Balance weighing limit	600g, accuracy $\pm 0.01g$
Soap tank	working volume 6500ml (Soap can be refilled automatically)
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	0~65°C, precision $\pm 1^\circ C$



Power

220/110V 50/60Hz



Weight

45kg



Dimension

500*500*520 mm(L*W*H)

Smart Sample Preparation Device For Wash Color Fastness Test

The instrument is connected via IoT to the SmarTexLab APP in the phone/PC. And The app can connect to ERP/LIMS via an API. Or, the instrument can connect directly to ERP/LIMS. You can get the sample preparation order and sample preparation process, sample preparation results, etc., from the system, and the system automatically summarize them into a sample preparation report. The report can be sent to SmarTexLab or ERP/LIMS. The relevant parties can view the report in real time. In SmarTexLab, You can chat with ChiuVention service staff for quick support. You'll get reminders that instruments need calibration, maintenance, and new consumables. Regular OTA remote upgrades are available.

More accurate testing

The high precision balance weighs the sample, and the soap dosage is automatically dispensed strictly according to the bath ratio, accurate to 1ml, together with the precise temperature control and steel ball counting, it makes the whole sample preparation more accurate, thus making the test of washing color fastness more reliable.

Testing is more efficient, saving nearly 30% of individual labor costs each year.

By choosing SmartFill, for 1 wash color fastness tester with 12 test cups, each test preparation can save 10 minutes, according to 200 samples per day, or save 30% of individual labor costs for enterprises in a year.

Well-known brands are using.

