SmartDispen
Detergent Dispenser

SmartDispen is a sample preparation device for washing color fastness tests. It can greatly improve the accuracy and efficiency of these tests. It can weigh the fabric sample, add soap according to the bath ratio, and stir. It can also add water and dispense steel balls. It does this to prepare the samples for the washing fastness test. This all happens in one step. It reduces the error of manual operation and makes the test more reliable. It has three work stations. You can prepare three samples at one time.

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Power
220V 50HZ

Weight
70kg

Dimension
610*510*530 mm (L*W*H)

The Specification of SmartDispen

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

▪ **It speeds up the sample preparation by 6 times. This makes washing color fastness tests faster.**
Taking 24 test cups as an example. Traditional manual prep takes over 20 minutes. SmartDispen takes only 3. You can start the three stations together. They greatly speed up sample preparation. This lets the lab do more washing tests each day.

▪ **More reliable testing**
This machine has a high-precision balance that weighs automatically. SmartDispen can dispense the soap based on the bath ratio. Besides, it has exact temperature control. It also has a steel ball counting function. These features make the sample preparation more accurate and the testing more reliable.

▪ **You can upload the data to ERP or LIMS.**
The SmartDispen can connect to the SmarTexLab App by ChiuVention Team via Wi-Fi. You can set parameters, watch the test, and send sample prep info from the smartphone. The data can also be uploaded to an enterprise's ERP or LIMS. This will give the textile labs more complete color fastness to wash data. So, they will have better management of textile quality.