



Automatic Liquid Handling Workstation



Scope of Application :

The automated liquid handling workstation is designed to provide liquid handling solutions for genomic, cellular, protein and other workflows—in areas such as medical, IVD(In Vitro Diagnosis), drug discovery, biopharma, agriculture and synthetic biology as key examples.

Innovative Design

- Automation
- Open Platform
- High Precision
- Small Footprint
- User Friendly

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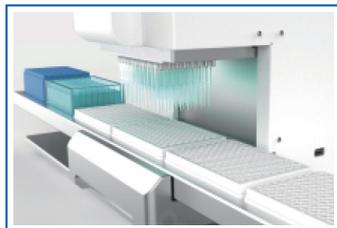
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Application Scenarios



● Liquid Transfer

Liquid transfer, such as pipetting from reagent reservoir, Centrifuge tube to 96-well plate, 96-well plate replication etc., mostly in cell culture, compound addition, reagent addition and PCR/qPCR setup.



● Continuous Dispensing

Continuous dispensing, such as reagent kit, sub package, reagent addition as key examples.



● Serial Dilution

Serial dilutions with changing or unchanging tips, mostly in ELISA, Microbe identification.



● 384-well Liquid Transfer

384-well liquid transfer using special adaptor for 384-well plates.



● Precise 96 channel liquid handling with loading or unloading tips automatically

Reliable sealing and versatility between channels ensure precise pipetting. 96 channel pipetting increases speed. 1-20ul head for optimal pipetting as low as 0.5 µL, 5-200µL head suitable for most experiments.



● Friendly and powerful operating software

Multiple pipetting modes and parameters are preset. Automatic calculation of the optimal pipetting depth and angle or adjusting the position of pipetting (X/Z axis) as needed.



● Free to choose consumables as you need

Consumables can be selected according to the experimental requirements. Automation tips ensure high precision. General tips lower costs. Customization adaptor for non-SBS format consumables.



● Small Size

Can be placed in a clean bench or safety cabinet.

Technical Parameters



		Model	LHW-200S4	LHW-200S6
Dimensions	Net dimensions (W*D*H)	mm	600*285*460	885*285*460
		in	23.6*11.2*18.1	34.8*11.2*18.1
	Packing dimensions (W*D*H)	mm	710*380*615	980*380*615
		in	27.9*14.9*24.2	38.5*14.9*24.2
Pipetting Performance	Minimum liquid displacement volume		5µL	
	Pipetting range		5-200µL	
	Pipetting precision		200ul separat 5 µl CV< 3%; 20µl separat 1µl CV< 3%	
	Pipetting accuracy		200ul separat 5µl +/- 2%; 20µl separat 1µl +/- 2%	
	Pipetting principle		Air displacement type	
	Pipetting module		High precision 96 channel liquid transfer module, which can realize 8-channel and 96 channel automatic liquid transfer operation	
	Plate number		4	6
One suction and multiple sprays		Y		
Certificate		CE		
Program Functions		Touch panel, programmable, liquid transfer data calculation, self-test, and regular free software upgrade		