

## Technical Specification

Model	Autofilling-Robot	Autofilling-S200	Autofilling-C100
Applicable Container	24, 48, 96, 384-well microplates, deep well plates etc.		
Robot Arm	Yes with Auto-stacker	No (upgradable)	No
Display	5" inch touch screen		
Gradient Dispensing	Support	Support	Support
Processing Capacity	10~5000 $\mu$ L	10~5000 $\mu$ L	10~2500 $\mu$ L
Min. Increment	1 $\mu$ L	1 $\mu$ L	1 $\mu$ L
Dispensing Speed	High/Middle/Low	High/Middle/Low	High/Middle/Low
Dispensing Time	<20s	<20s	11s
Accuracy	$\pm 1\mu\text{L}$ @ 10 $\mu\text{L}$ $\pm 1\mu\text{L}$ @ 20 $\mu\text{L}$ $\pm 1\%$ @ >100 $\mu\text{L}$		
CV	<5% CV @10 $\mu\text{L}$ <2.5% CV @20 $\mu\text{L}$ <1% CV @>100 $\mu\text{L}$		
Max. Plate Qty	50pcs 96-well microplate 72pcs 384-well microplate 14pcs 2.0ml DWP	1pc 96-well microplate or 384-well microplate or 2.0ml DWP	1pc 96-well microplate or 384-well microplate or 2.0ml DWP
Noise	$\leq 60\text{dB}$		
Air Flow	50L/min		
Air Input Pressure	5.5bar (80PSI) ~ 5.7bar (87PSI)		
Power Supply	110V~220V 50/60Hz		
Power Rate	0.2Kw	0.1Kw	0.1Kw
Dimension	970x687x938mm	330x400x150mm	293x332x140mm
Weight	35kg	7.5kg	6.5kg
Working Environment	10~40°C, 80%RH		

\*Ultrassay BioTech Co., Ltd. reserves the right of final interpretation of different specifications.

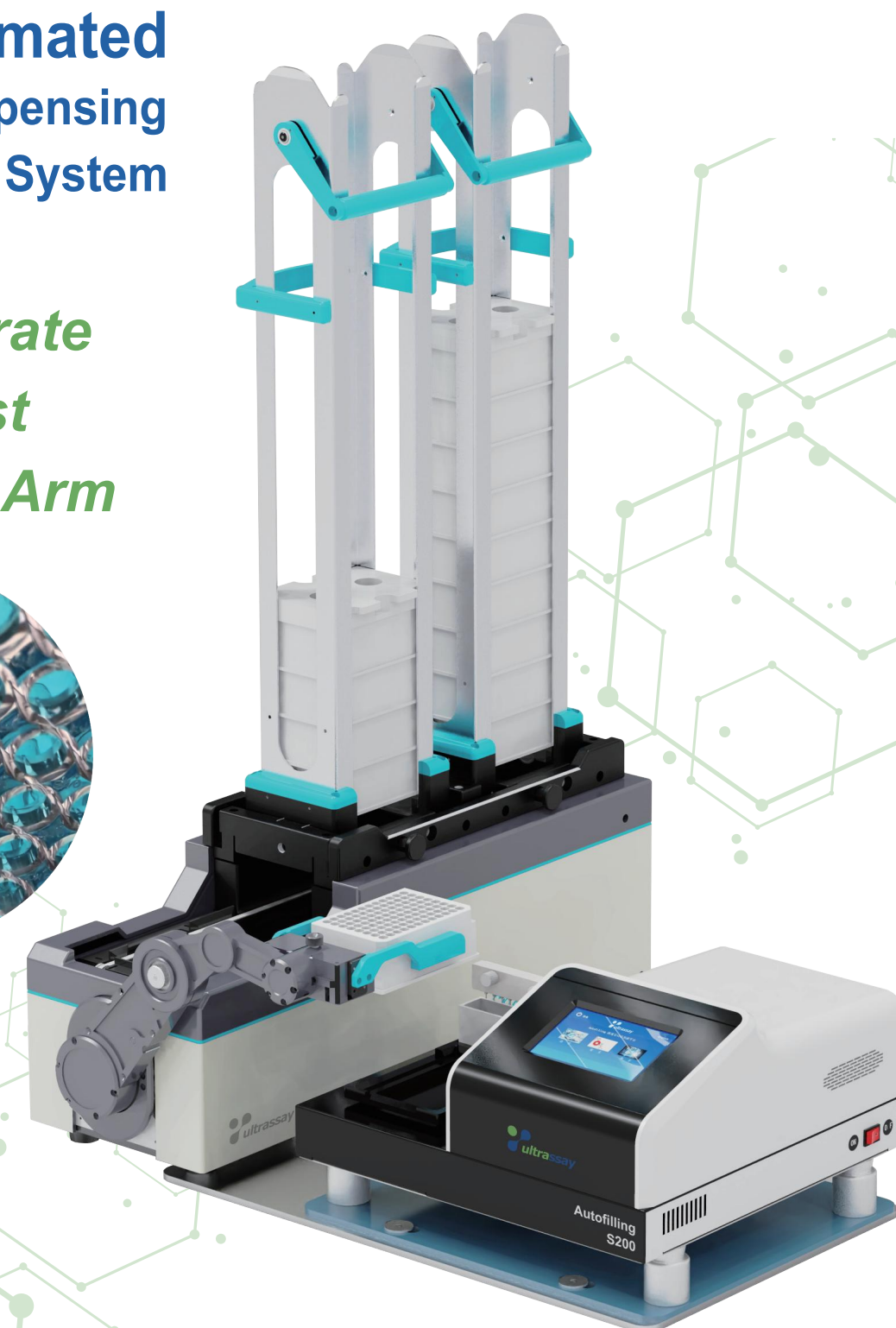
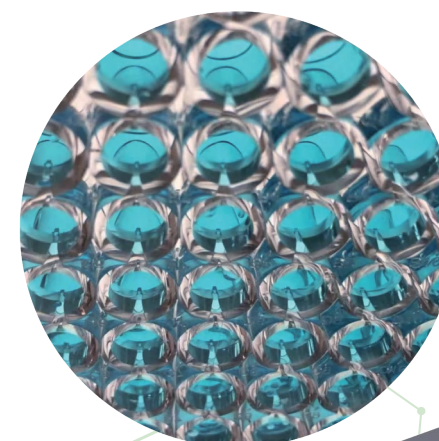
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## Fully Automated Liquid Dispensing System

*Accurate  
Fast  
Robot Arm*



ULTRASSAY BIOTECH CO., LTD.

## Fully Automated Liquid Dispensing System

Fully Automated Liquid Dispensing System consists of Auto-stacker, Autofilling S200 and the integrated base. It is widely used in biology, medicine, genomics, and proteomics etc. Provides reliable automatic liquid dispensing solutions for laboratories and researches;

The Autofilling S200 employs a high-precision injection pump, which can dispense liquids into various containers (24-well plates, 48-well plates, 96-well plates, 384-well plates and 1.5ml/ 2.0ml centrifuge tube). The whole process is automated, easy and accurate. It is suitable for dispensing various reagents and adding liquids for batch experiments. Replaces mechanical & electric single-channel and multi-channel pipettes.

S200 is easy to operate and can be an alternative device of Biotek's Microfill and Thermo Fisher's Multidrop system, that providing a trustworthy automatic liquid dispensing solution in drug R&D, genomics, proteomics, etc.

### Features

- 5-inch color touch screen, equipped with special dispensing integrated control software, effectively improves dispensing efficiency;
- Contains liquid separation and exhaust functions to facilitate liquid replacement and pipe cleaning;
- Programmable to support gradient dispensing, and the dispensing volume of each row of holes can be customized;
- Dispensing range 10-5000μL;
- Typical dispensing CV is 1.5%;
- Can be integrated with external Auto-stacker;
- Using a syringe to dispense liquids, the system is stable and reliable;
- Chinese and English interface, easy switching;
- Suitable for 24, 96 and 384 well standard microplate and deep well plates;
- Low-maintenance design, one-click to choose to work with or without a Auto-stacker;
- Users can choose three different dispensing speeds: "high/medium/low", suitable for various dispensing applications from low speed to high speed;

### ◆ Autofilling S200



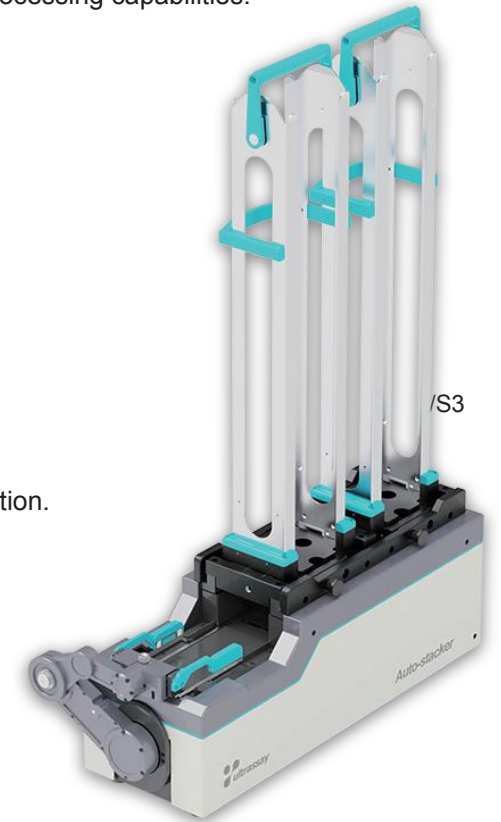
### ◆ Auto-stacker

The Auto-stacker is a device specially used for automated processing of microplates. The Auto-stacker can be used with a variety of microplate dispensers Autofilling S200, Biotek's microfill, Thermo Fisher's Multidrop system, and Used in combined with a film sealer. It provides batch microplate processing capabilities.

#### Advantages

- Compatible with a various microplates and deep-well plates;
- Easy to program, operate and integrate;
- Ability to use microplate from different manufacturers;
- Sturdy structure and reliable use;
- Can handle plates with or without lids (optional lid lift function);
- Communicate via RS232 interface;
- Equipped with special application driver;
- With Restack function, the plate can be restored to its starting position.

Type of Plate	Quantity
96-well Microplate	Max. 50pcs
384-well Microplate	Max. 72pcs
2.0ml Deep Well Plate	Max. 14pcs
Inner Height of Auto-stacker	660mm



### ◆ Autofilling C100

