



Sample Processing System Magic-1800

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Product introduction

Magic-1800 is suitable for mixing large batches of samples, avoiding errors and contamination caused by repetitive operations. The built-in high-throughput sample rack supports 4-mix, 8-mix, 16-mix, and 48-mix, and 768 samples can be submitted in a batch of samples, which improves the detection capacity and efficiency. And the samples can be automatically scanned to generate information to facilitate your trace and query.



Fast & accurate

- Pipetting can be added at irregular spacing, with spacing adjustable from 9-270mm;
- Effective pipetting range: 1μL-1000μL;
- Pipetting accuracy: 2μL CV≤5%、10μL CV≤2.5%、≥50μL CV≤0.5%;
- The dual-channel pipetting module adopts capacitive sensing and pressure sensing detection to realize micro and precise pipetting.

Strong compatibility

- Compatible with sampling tube with a diameter of 11-17mm and height of 50-150mm.Others can be customized;
- Accept 10 μl、50 μL、200 μL、1000 μL tips on the machine at the same time.

System parameter

Model	Magic-1800
Sample information entry	One dimensional code, two-dimensional code
Sample tube specification	Compatible with sample tube with a diameter of 11-17mm and height of 50-150mm, other sample tubes can be customized.
Pipetting performance	Pipetting range: 1-1000μL, 2μL CV≤5%, 10μL CV≤2.5%, ≥50μL CV≤0.5%.
Sample Dispensing	Capacitance sensing and pressure sensing detection, clot detection, air suction detection and tip head detection.
Size (length, width and height)	1600mm×900mm×850mm
Operating environment	Temperature:10 ~ 35°C, humidity:15% ~ 99% (relative humidity)
Power	Voltage: 100V-120V/200V-240V AC, frequency: 50/60 HZ;
Anti pollution system	Built in filtration system and ultraviolet disinfection system.

Safety protection

- Automatic unloading, real-time monitoring of pin loading/unloading, improve the efficiency and reliability of unloading;
- Built-in filtration system and UV disinfection system, the filtration efficiency of 0.3um diameter particles is not lower than 99.9%, effectively prevent aerosol pollutants leakage;
- With startup self-check, error alarm, the whole closed loop state monitoring function;
- With a safety protection panel and a door lock sensor, it can prevent illegal entry and suspend at any time to deal with abnormal accidents.