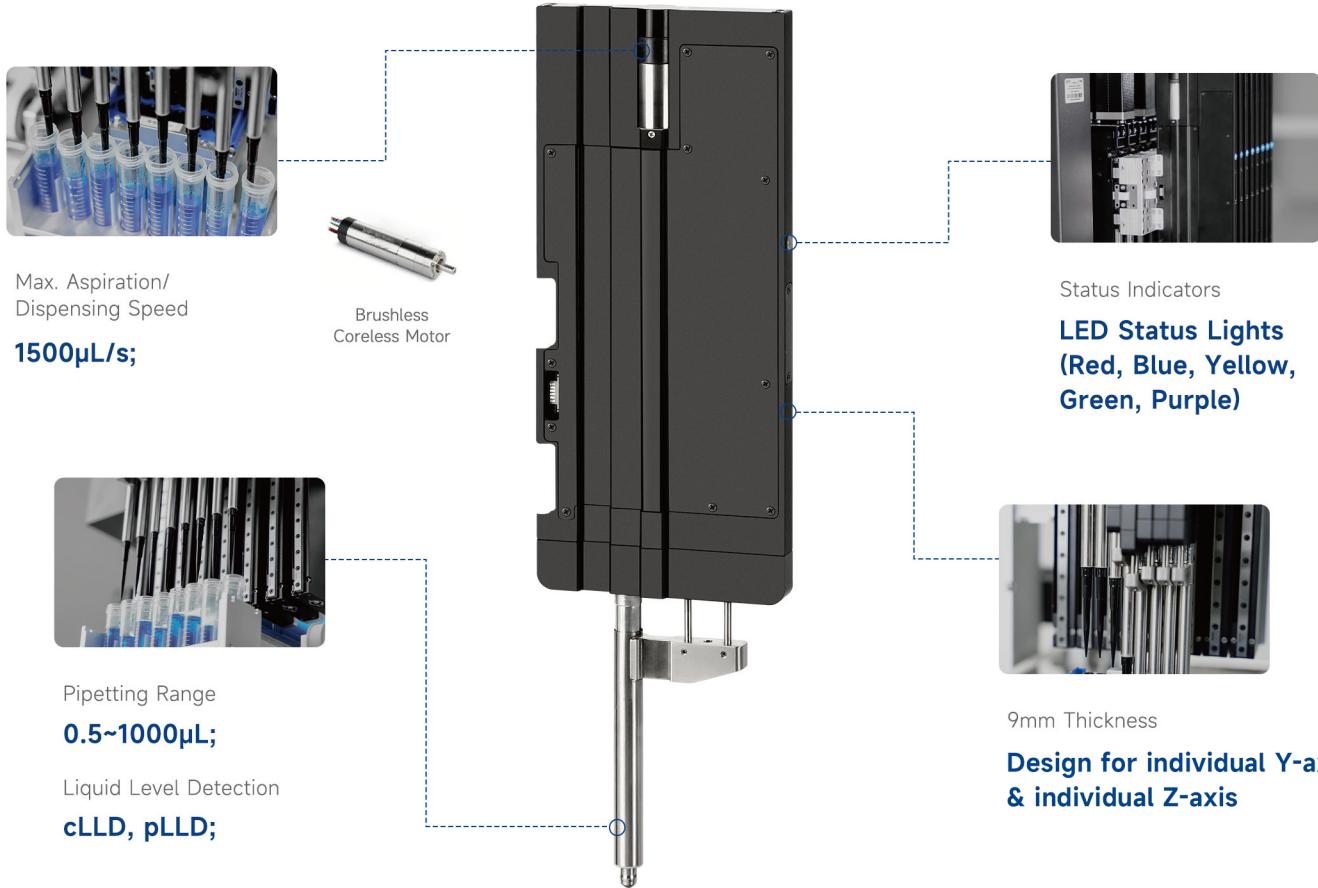
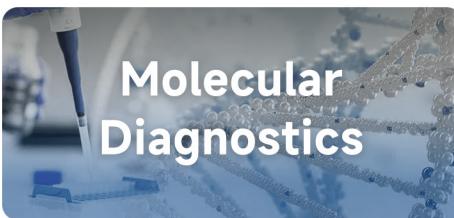


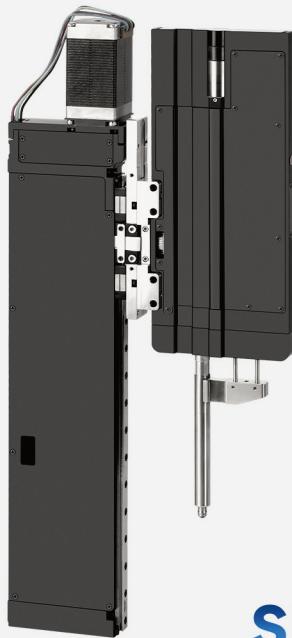
# SP13

Keyto SP13 is a high-performance, single-channel pipette. It is widely applicable to scenarios where customers need flexible pipetting operations.



## Application Areas





**SP13+HSZ**

## Powerful Functionality

- full-stroke independent Z-axis
- Maximum Z-axis speed: 400mm/s
- Z-axis stroke: 180mm
- Power Failure Retention

## Plug-and-Play

- Preset detection modes: cLLD, pLLD, and combined cLLD+pLLD
- Preset reference parameters for aspiration/dispensing

## Pipetting Performance Chart

TIP specifications/uL	Dispensing volume/uL	Dispensing type	Accuracy (A)	CV
10F	0.5	Single Dispense	10.0%	10.0%
10F	1	Single Dispense	5.0%	4.0%
50F	2	Single Dispense	5.0%	5.0%
50F	5	Single Dispense	5.0%	2.0%
50F	10	Single Dispense	3.0%	1.0%
50F	50	Single Dispense	2.0%	0.75%
200F	10	Single Dispense	5.0%	2.0%
200F	50	Single Dispense	2.0%	0.75%
200F	200	Single Dispense	1.0%	0.75%
1000F	100	Single Dispense	2.0%	0.75%
1000F	1000	Single Dispense	1.0%	0.75%
1000F	20	Aliquot Dispense	3.0%	3.0%
1000F	50	Aliquot Dispense	3.0%	2.0%

1. Test reagent: Pure water;

2. Test environment: 21 ~ 25°C in a still air environment, Test method: Non-contact dispensing(suspended dispensing);

3. Use a new TIP for each pipetting operation, Single aspiration and single dispensing: For example, aspirate 10µL reagent with a new TIP, then fully dispense the 10µL in one action. Replace the TIP after each complete dispense, repeat for 10 measurement cycles to calculate accuracy and precision;

4. Single aspiration and aliquot dispensing: For example, aspirate 1000µL reagent with a single TIP, then perform 50 dispenses of 20µL each. Replace the TIP after complete ejection, discard the first and last dispenses (retain 48 valid data points) for accuracy and precision calculations.

