

8-SPAN INDEPENDENT LIQUID HANDLING

SUITABLE

Open-Platform Automated Pipetting Robot

Complex protocols,
one unified workstation.

CV < 5%[†]

@ 2 µL · 20Tip · Gravimetric

1–1,000 µL

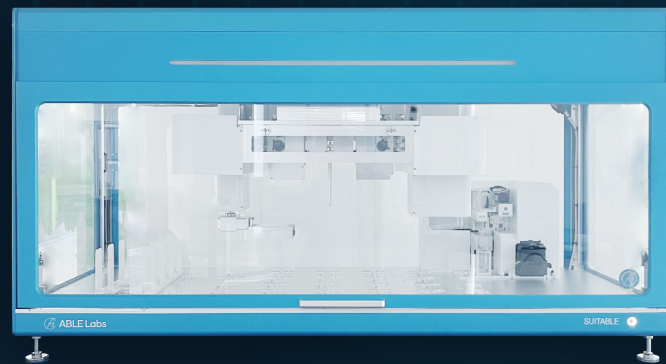
Volume range

8-Span

Independent channels

24 slots

6×4 deck



KEY FEATURES



8-Span Independent Pipetting

Each of 8 spans operates independently. Mix different volumes, tips, and protocols in a single run.



Open Platform Architecture

Compatible with a wide range of third-party labware and instruments. Integrates into existing lab workflows.



Large Deck Capacity

24-slot (6×4) deck with stacking panel support. Accommodates complex multi-step protocols without manual intervention.



Wide Volume Range

Handles 1–1,000 µL across spans. From trace-level dispensing to bulk transfers in one instrument.



WINDY Software

Unified protocol builder for all ABLE Labs platforms. Build cross-instrument workflows with drag-and-drop ease.



Plate Gripper

Integrated plate gripper for automated plate and deep-well plate handling. Enables fully hands-free protocol execution.

SPECIFICATIONS

PIPETTING PERFORMANCE

Volume Range	1–1,000 µL
Precision (CV)	< 5% @ 2 µL [†] (20Tip, Gravimetric)
Spans	8 (independent)
Deck Positions	24 slots (6×4)
Software	WINDY + REST API (Open Integration)
Tip Type	20µL / 200µL / 1000µL SBS-format

PHYSICAL & SYSTEM

Dimensions	1400 × 615 × 814+18 mm
Weight	160 kg
Power	AC 100–240V → DC 24V, 9.2A, 221W max

[†] CV < 5% @ 2 µL: gravimetric measurement (20Tip).

APPLICATIONS

NGS Library Prep

High-Throughput Assays

Screening

ELISA

Cell Line Development

WHY ABLE Labs

End-to-End Integration

Hardware & software by the same team — seamless sample-to-result, no system handoffs.

Cost-Efficient Architecture

~40% lower TCO vs. global competitors. No forced bundles, no hidden fees.

Local Technical Support

Korea-based engineering team — same-day / next-day issue resolution, direct from HQ.