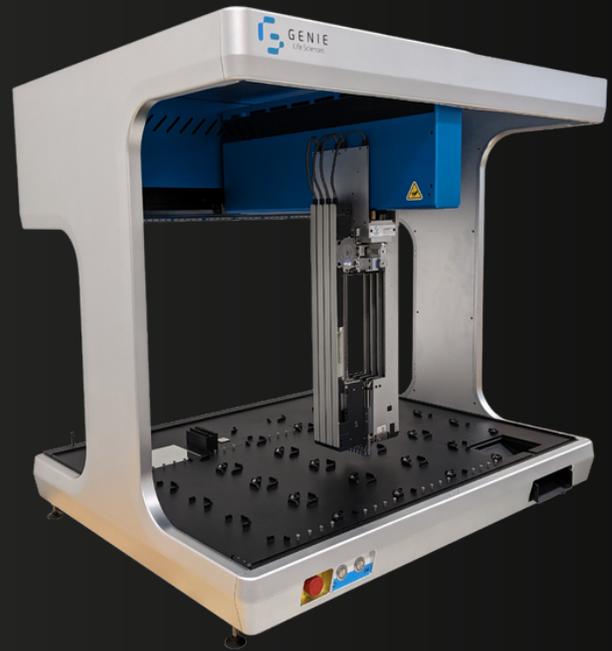


GENIE LABMATE

Next Generation Liquid Handler



Transform your lab with the Genie LabMate, an automated, sensor-driven liquid handler that performs complex pipetting tasks with accuracy and precision. LabMate works with Genie LabOS, a lab automation software that allows you to easily author and automate protocols according to your needs. Built with the modern lab in mind, LabMate is designed to increase productivity, decrease downtime, streamline workflows, provide reliable results, and grow with your lab.



- **8-channel pipetting heads that can be swapped by anyone, anytime**
- **Built-in auto-calibration to allow for teach-free instruments**
- **Reuse authored protocols on multiple LabMates, without optimization, from our cloud-based software, Genie LabOS**
- **Air-driven pipetting from 1-1000 μ L**
- **Supports up to 23 SBS slots, including for six on-deck accessories**
- **High-resolution camera for auto-calibration and deck verification**
- **Low-force tip pickup to support a variety of tip types**
- **Pressure sensors for liquid level detection, liquid class sensing, and volume verification**

Top Applications

- ✓ NGS Library Preparation
- ✓ Proteomic Workflows
- ✓ Extraction Workflows
- ✓ PCR Set Up
- ✓ Biopharma Processing
- ✓ Cell Culture Workflows

Genie LabSense Pipetting Technology

Genie LabSense Pipetting Technology allows you to run the same protocols across several instruments with little to no variation in scientific reproducibility. Whether you're using water, DMSO, PEG, or ETOH, you can expect a 5% CV across all Genie LabMate Liquid Handlers, regardless of pipette tip size or shape. No pipetting calibration required.

HOW IT WORKS

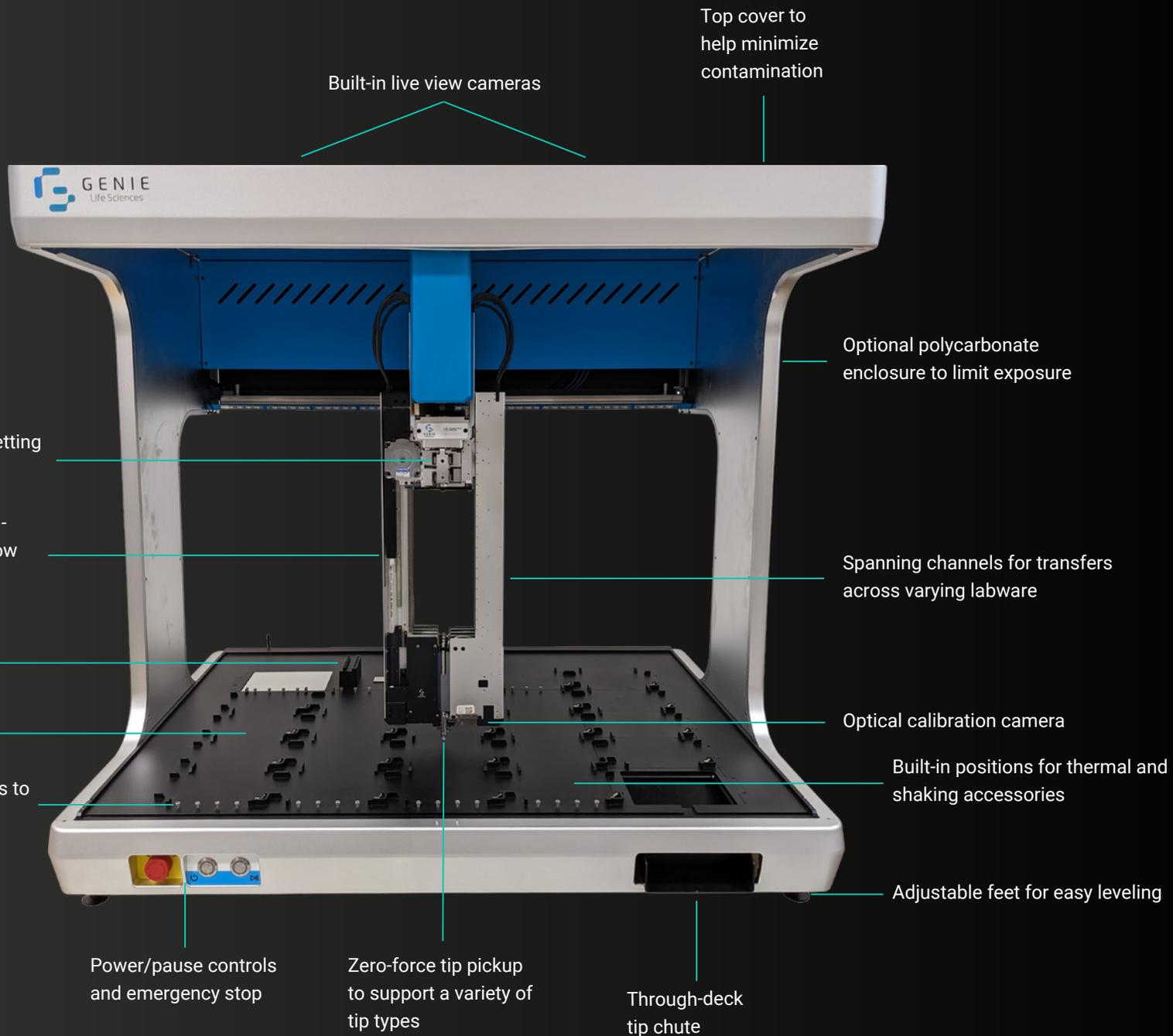
Flow cell technology actively verifies the displacement of air during aspiration and dispense, setting the LabMate apart from all other 8-span pipetting heads on the market.

Closed-loop pipetting monitors volume transfer, removing the need for liquid class optimization.

Convenient. Connected. Reliable.

Specifications

Sizing Information	Instrument Dimensions (Nominal)	35" height x 39" width x 30" depth
	Shipping Dimensions	Base and head 43" x 34" x 56"
	Instrument Clearance Space	76" height, 45" width, 50" depth
Weight	Instrument: 220 lbs (without accessories) Shipping (base & head): 300 lbs	
Electrical Requirements	Power	120/240V
	Frequency	50/60 Hz
	Power Consumption	400 W Max
Connectivity	WiFi 2.4 GHz, 5GHz IEEE 802.11ac. 2x Gigabit Ethernet LAN IEEE 802.3	
Control Interface	Cloud controlled and managed	
Enclosures	Optional polycarbonate enclosure designed to limit exposure and minimize contamination	
Deck Capacity	Supports up to 23 SBS slots, including 6 for on-deck accessories Optional waste tip chute and/or slide	
Labware	Compatible with ANSI/SBS compliant or automation friendly, 96 well microplates, deep-well plates, reservoirs, and adapters	
Tube Compatibility	1.5mL, 2mL, 15 mL, and 50 mL transport tubes supported with optional tube holders and tube trays	
Positional Accuracy	x, y, z: ± 0.25 mm	
Tip Compatibility	1000 μ L, 200 μ L, 50 μ L, 10 μ L, filtered and unfiltered	
Pipetting Performance	Pipetting Method	Air displacement using LabSense Technology
	Volume Range	1–1000 μ L
	Precision (%CV) Per channel, across all LabMates	2 μ L: $\leq 5\%$
	Accuracy (%DEV) Per Channel	2 μ L: $\leq \pm 10\%$ 5 μ L: $\leq \pm 5\%$ >20 μ L: $\leq \pm 1\%$
Warranty	Limited one-year warranty against manufacturer defects	
Certifications	FCC, IEC 61010-1, CE	



Built-in live view cameras

Top cover to help minimize contamination

GENIE
Life Sciences

Optional polycarbonate enclosure to limit exposure

Swappable 8-channel pipetting module

Air-driven pipetting from 1-1000µL with integrated flow sensors

Spanning channels for transfers across varying labware

Built-in calibration and diagnostics stations

23 SBS-compliant slots

Optical calibration camera

Built-in alignment features to support tube racks

Built-in positions for thermal and shaking accessories

Power/pause controls and emergency stop

Zero-force tip pickup to support a variety of tip types

Through-deck tip chute

Adjustable feet for easy leveling