

Dosing Mate

LabMate Series



Efficient | Consistent | Unattended

Dosing Mate enables high-accuracy automated powder handling within a compact benchtop platform. The system integrates a precision balance, robotic transfer arm, decapping module, three vial stacks, and a dosing head stack.

It supports unattended, 24/7 powder handling for R&D and analytical laboratories, improving consistency, efficiency, and throughput.

Key Configuration

Intelligent Teaching

Effortless drag-to-teach with auto-calculated paths

Adaptive Force Gripper

Intelligent clamping for soft & hard objects

Precision Alignment

Angle-adjustable vial adapter for zero powder loss

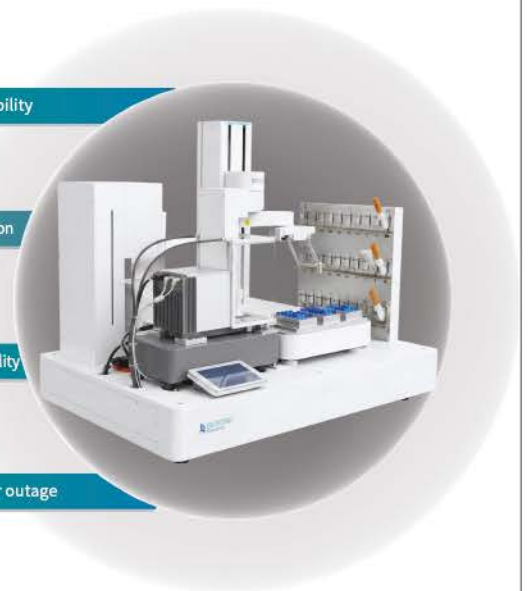
Functionalities & Performance

Smart Algorithms – Higher efficiency & reproducibility

Safe Collaboration – Risk-free human-robot interaction

Modular Design – Easy maintenance and future scalability

Grip Retention – Secure hold even during a power outage

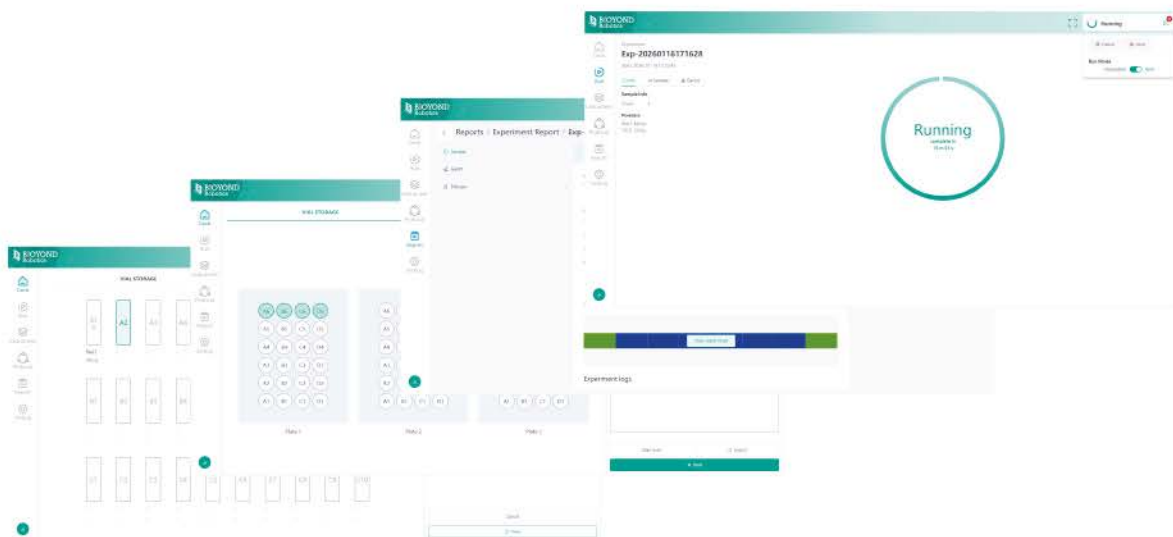


Specifications

Dimensions	1130×770×940 mm	Vial Capacity	72
Weight	155kg	Gripper	Empty grip alarm, power-off retention
Throughput	72 samples	Consumable Stack	Sequential storage stack
Precision	±0.1/0.01mg (sample-dependent)	Stack Capacity	30 dosing heads (10×3)
Minimum Weight	6mg	Optional Modules	Repeated powder dispensing
Balance Readability	0.01mg	Certifications	UL、CE、ISO/TS 15066*
Target Container	2 mL vial	Power Supply	AC 100-240V, 10A, 50/60Hz
Powder Compatibility	No flowability requirement – supports low/high density, compact, slightly sticky, or electrostatic	Operating Environment	Temperature: 10–30°C, Humidity: 10–80% RH, non-condensing, Non-corrosive environment

Software

One-Click Start	Begin experiments immediately and view the process in real time
Quick Recovery	Reliable error-handling mechanism allowing experiment resumption
Instant Reports	Secure PDF reports generated after each run, including actual weight and per-vial tolerance



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