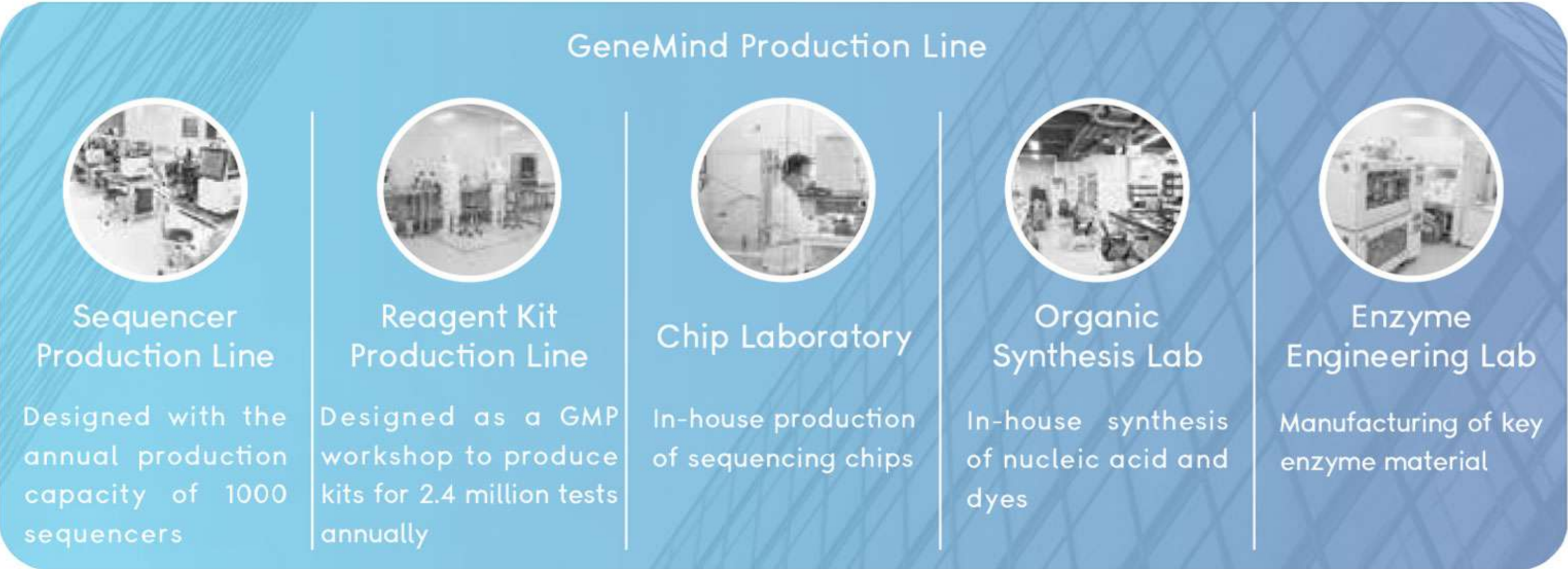




High-throughput DNA Sequencing Platform

Efficient · Flexible · Compatible | Explore Infinite Possibilities

Note :
Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!



Sequencing Reagent Kit for GenoLab M

The GenoLab M high-throughput DNA sequencing platform of GeneMind Biosciences is matched with a reagent kit, to maximize performances, and provide more efficient and accurate sequencing results.

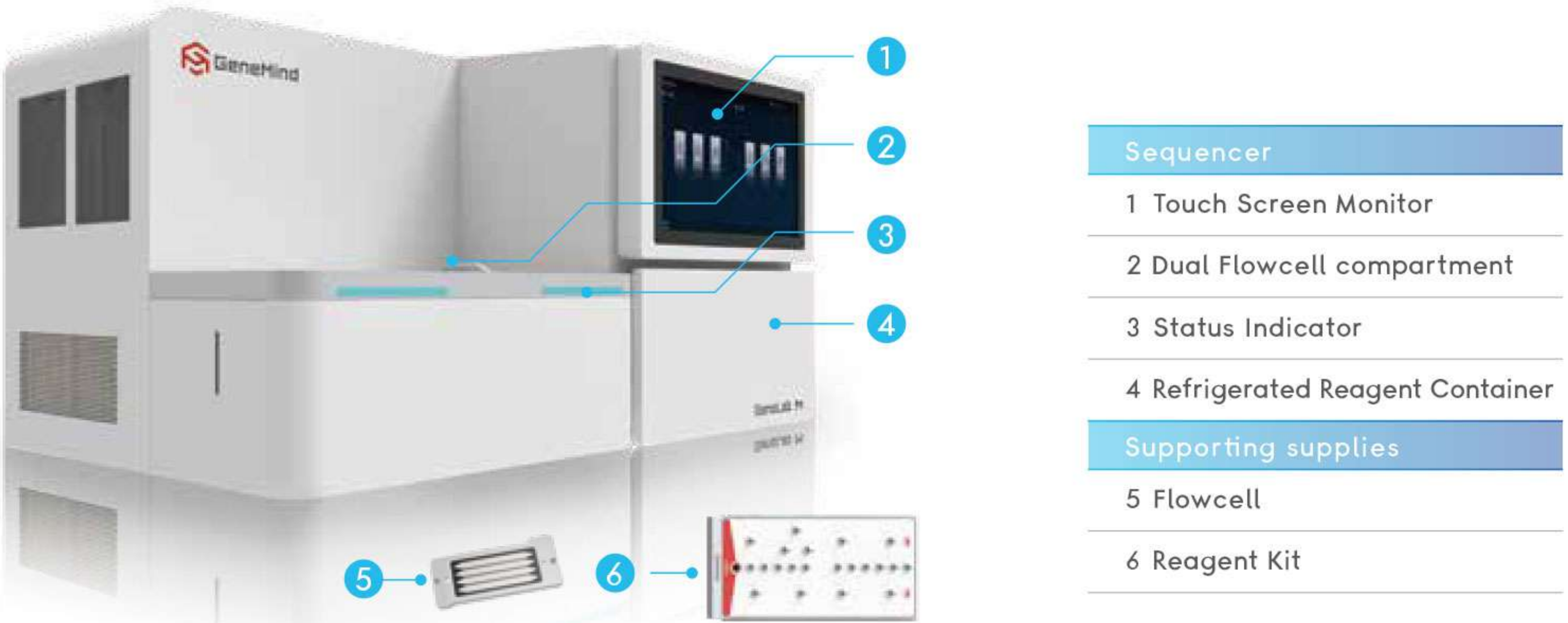
GenoLab M Sequencing Reaction Reagent Kit

Basic Information		
	Specification	SE75,SE150,PE75,PE150
	Included components	Reaction reagent A, Reaction reagent B, Sequencing chip
	Applicable equipment	GenoLab M
	Sample requirement	Concentration≥4 nM and volume≥5 uL

Note :
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Efficient, Flexible and Compatible High-throughput Sequencing Platform

The high-throughput DNA sequencing system GenoLab M adopts the surface restricted fluorescent sequencing technique (SURF-seq) based on surface amplification to identify the optical signals of bases. Its sequencing-by-synthesis approach delivers speed, flexibility, high accuracy, and low-cost. Notably, with the unique “rolling mode” of GenoLab M, the second flowcell can be loaded and start working while the first flowcell is still running, and the two chips can produce data of different readlengths or sequencing types as required by the client, so as to shorten the waiting time, widen the scope of application, and bring unprecedented user experience.



GenoLab M Performance Parameters of GenoLab M High-throughput Sequencing Platform

Sequencing Performance	
No. of Flowcell Per Run	2 (Independent Single-Flowcell and Dual-Flowcell Operation Supported)
Reads/Run	500M (Medium-throughput Dual-chip FCM); 1000M (High-throughput Dual-chip FCH)
Read Lengths	SE50,SE75,SE100,SE150,PE75,PE100,PE150
Maximum Data Output/Run	25~150Gb (FCM); 50~300Gb (FCH)
Run Time	12~48h
Data Quality	Q30>85%
Accuracy Rate	≥99.9%