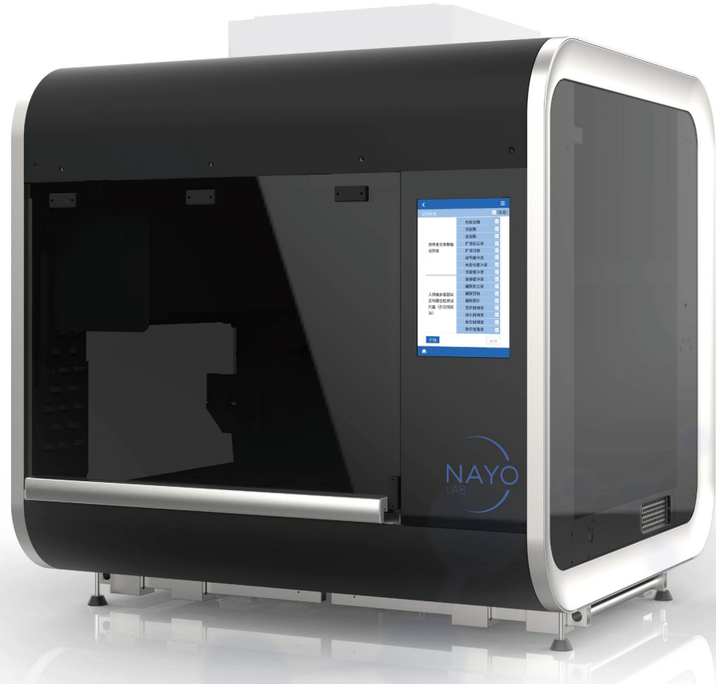
• Product Parameters •

Product Code	EN108	
Size and Weight	Dimensions	900mm(W)*810mm(D)*900mm(H)
	Net Weight	172.5kg
Power Socket	AC Voltage	220V
	AC Frequency	50Hz
	Max Power	1300VA
Pipetting Performance	Pipetting Principle	Air Displacement
	Pipetting Range	2μl-200μl
	Pipetting Homogeneity (cv)	2μl：<5%
		200μl：<1%
	Pipetting Accuracy	2μl：<±5%
		200μl：<±1%
Pipette Arm Positioning Accuracy	±0.1mm	
PCR Instrument	Temperature Range	4~99℃
	Temperature Homogeneity	≤±0.5℃
	Temperature Accuracy	≤±0.3℃
Refrigeration Module	Temperature Range	2-7℃
	Temperature Accuracy	≤±1℃ at 4℃
	Temperature Homogeneity	≤±1℃ at 4℃
Thermal Incubation Module	Temperature Range	Room Temperature ~ 70℃
	Temperature Accuracy	±1℃ at 65℃
	Temperature Homogeneity	±1℃ at 65℃
Safety Protection	Positive Pressure HEPA System	Filter Efficiency ≥99.99% at 0.3μm, with Work Area Cleanliness Level Achieving ISO Grade 5
	UV Lamp	Radiation Dose in 20 minutes Exceeds 100,000 μW·s/cm²

NAYO LAB 耐优生物



EASY NGS Pre-System

A Fully Automated Library Preparation System

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Highly automated | High safety factor | High efficiency | High accuracy | High flexibility

EASY NGS Pre-System

A Fully Automated Library Preparation System

EASY NGS Pre-System, is a fully automatic pipetting workstation integrated pipetting module, magnetic purification module, PCR module, thermal incubation module and refrigeration module, which can be used for high-throughput sequencing library preparation of DNA and RNA samples.

1) Laminar Flow Hood

Positive pressure and high efficiency HEPA filtration system to ensure clean internal environment.
Filter efficiency ≥99.99% at 0.3μm,with a work area cleanliness level achieving ISO grade 5.

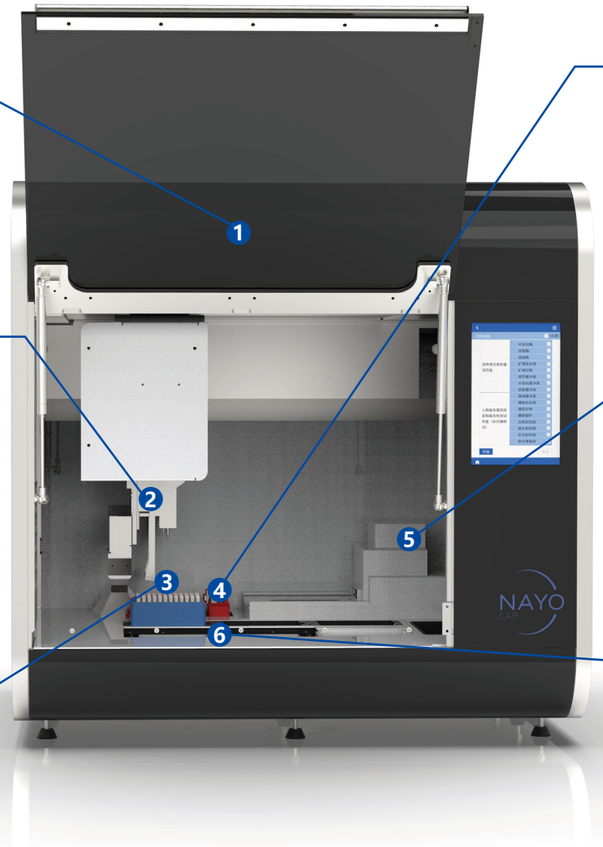
2) High Precision 8-channel Pipette

Flexible 1-8 channel pipetting to meet different application needs.

Pipetting Range	2μl~200μl	
Pipetting Homogeneity (cv)	2μl：＜5%	200μl：＜1%
Pipetting Accuracy	2μl：≤±5%	200μl：≤±1%

3) High Efficiency Magnetic Module

Magnetic stand that moves up and down to increase device flexibility.
Self-developed model group, superior performance.



4) Thermal Incubation Module

It can be configured with 1.5/2ml reagent tube, centrifuge tube, PCR tube or eight tubes.

Temperature range	Room Temperature~70℃
Temperature homogeneity	±1℃ at 65℃
Temperature accuracy	±1℃ at 65℃

5) PCR Module

Self-developed module, simple operation, stable performance.

Temperature range	4~99℃
Temperature homogeneity	≤±0.5℃
Temperature accuracy	≤±0.3℃

6) Refrigeration Module

Adaptable eight tubes, PCR plate, 1.5/2ml centrifuge tube, 96-well deep-well plate.

Temperature range	2~7℃
Temperature homogeneity	±1℃ at 4℃
Temperature accuracy	±1℃ at 4℃

• Instrument characteristics •

Highly Automated
Truly walk-away
Built-in code scanning and data recording system to record and track data information.

High Safety Factor
Prepare liquid drip-proof pipetting module, standard filter cartridge tip, built-in high-efficiency filtration system and sterile ultraviolet lamp, and ensure that the whole experimental process is clean and pollution-free from multiple angles.

High efficiency
It operates uninterrupted for 24 hours and processes up to 32 samples per run.

High Accuracy
Automated standard operating procedures effectively eliminate manual errors and improve the stability and repeatability of results.

High Flexibility
Adaptable library preparation kits for multiple brands and multiple sequencing types. Customized service can be completed according to user needs.

• Scope of Application •

It can be widely used in next-generation sequencing technologies and third-generation sequencing technologies such as whole genome sequencing, exome sequencing, target region capture sequencing, transcriptome sequencing, metagenome sequencing, and nanopore single-molecule sequencing technology (Nanopore).

Reagent Dispensing	PCR Reaction	Concentration Homogeneity	Enzyme Reaction
Reaction System Preparation	**Core Applications**		Magnetic Purification
Magnetic Bead Library Concentration	DNB Preparation	Library Pooling	Hybrid Capture

• Software •

(1) User Friendly

Intuitive graphical interface, easy and convenient operation, to help users easily run automated programs.

(2) High Intelligence

It is feasible to scan and record sample information to confirm whether consumables and reagents are correctly placed; in the process of concentration homogenization, it is feasible to automatically calculate the sample loading volume of different samples.