

Design for Massively Parallel Sequencing Library Preparation

 Automated

 Integrated

 Stabilized

 Customized

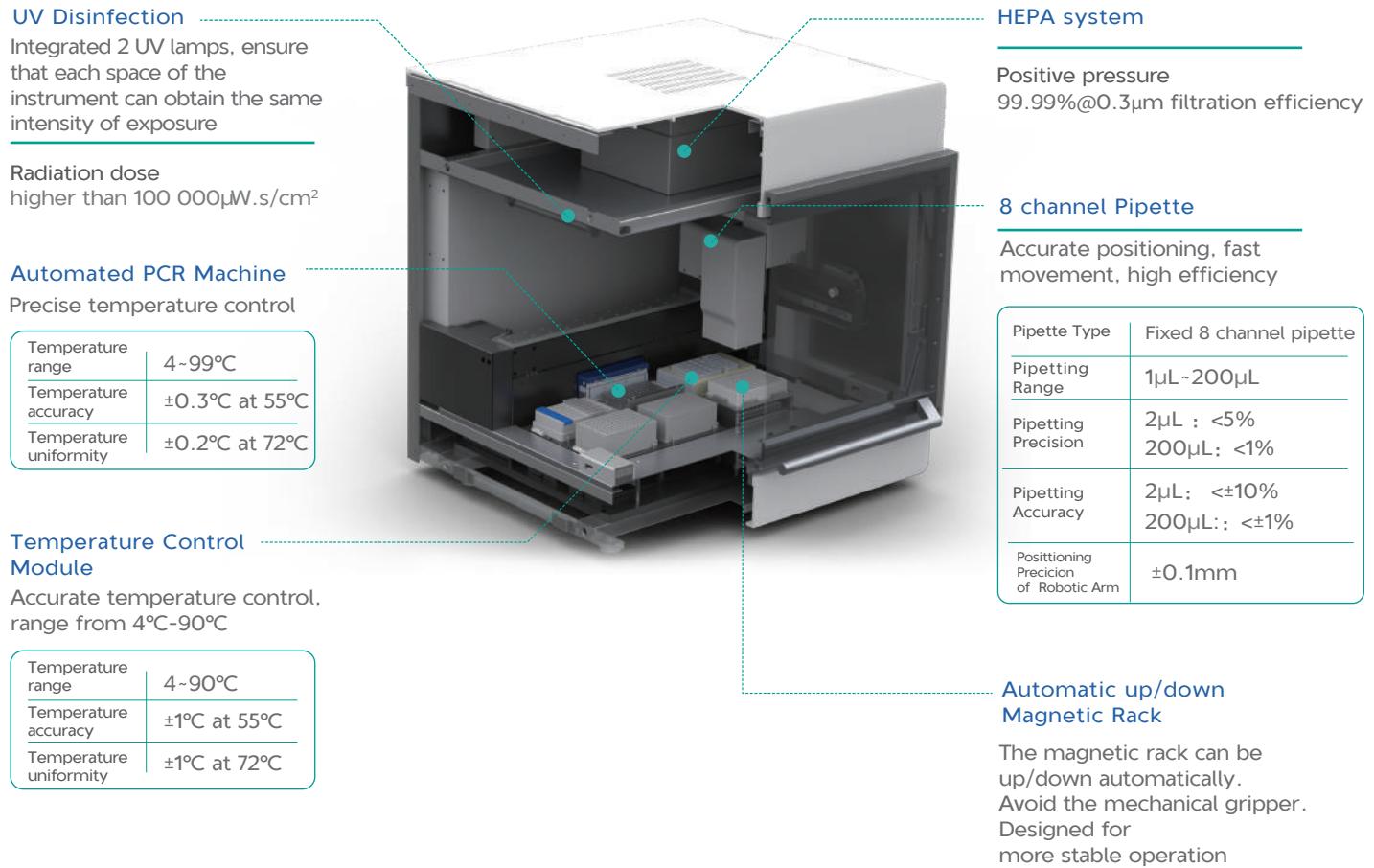


DNA Sequencing Library Preparation System

SP-100

SP-100

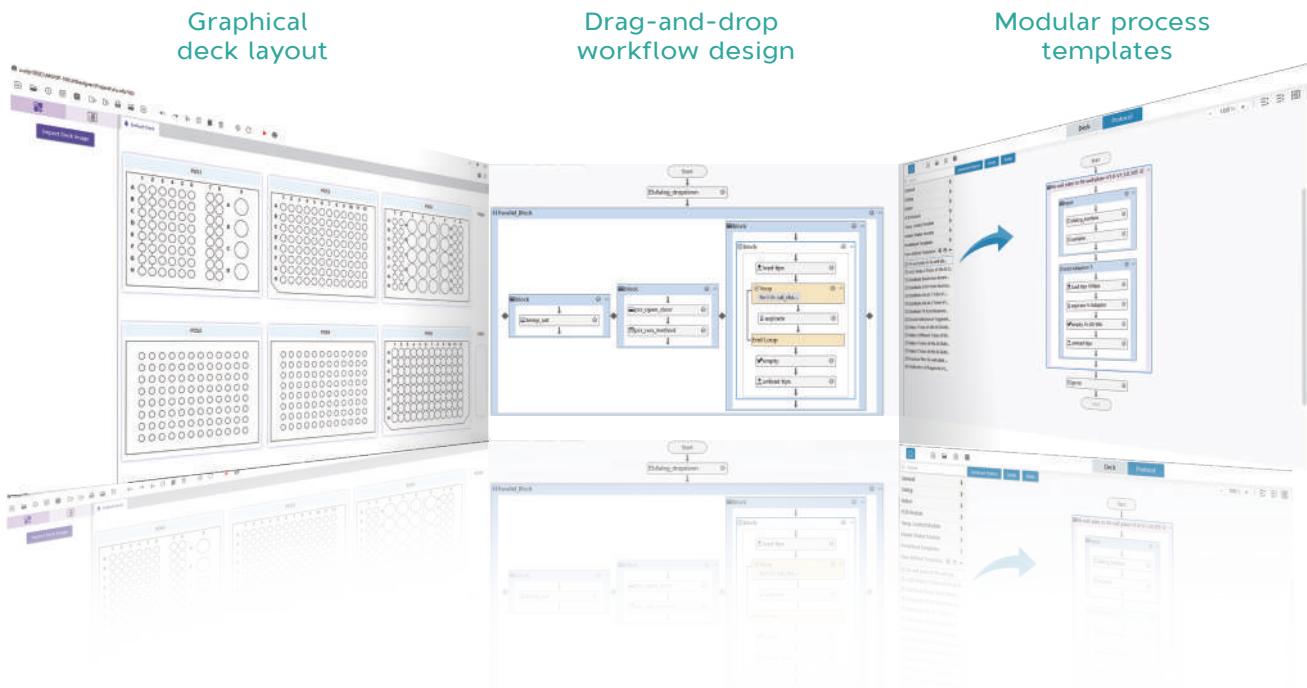
SP-100 Automated Sample Preparation System is an automated liquid handling workstation specialized for MPS library preparation, it can process samples in batches, eliminate operators from repetitive processing procedures, increase the stability of library preparation, reduce the total costs, and significantly enhance laboratory overall efficiency.



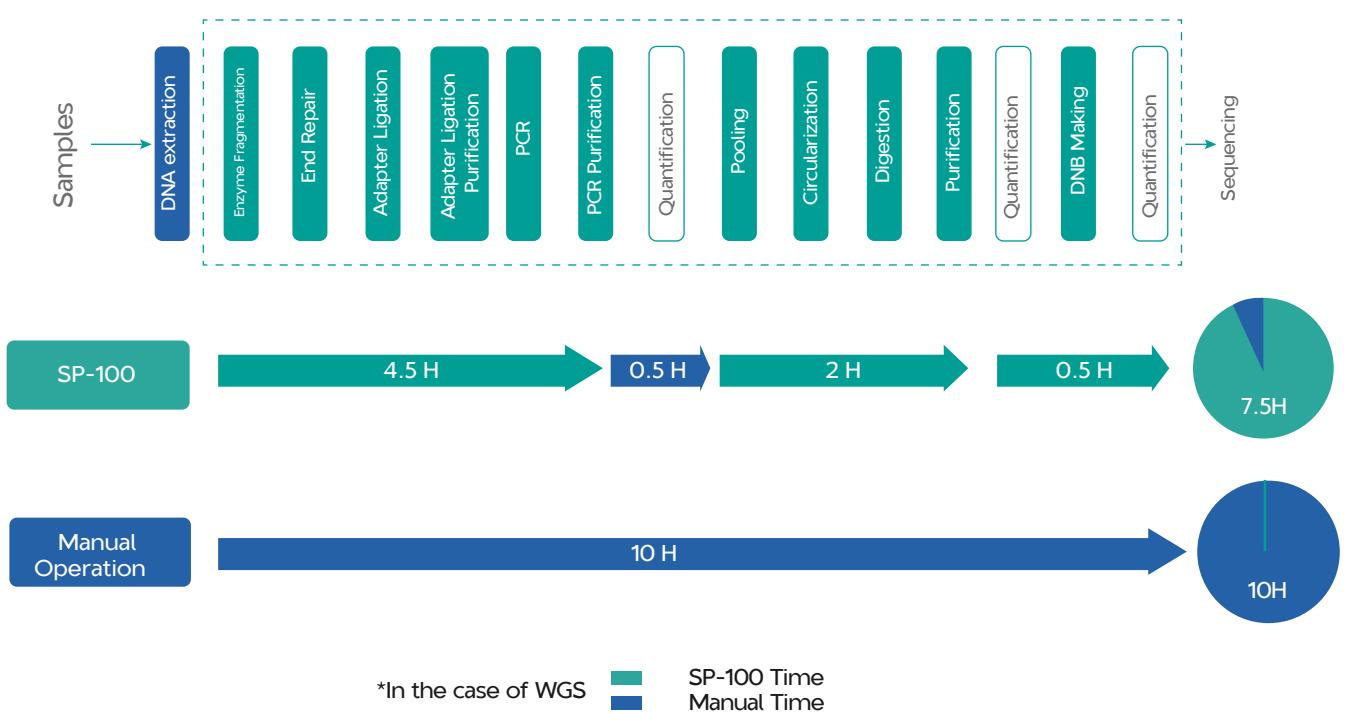
Product Feature

Automated	Easy-to-use, automated 90% steps, reduce repetitive processing procedures.
Integrated	Compact design, integrated liquid handling, automated magnetic frame and PCR machine into less than 0.5m ³ .
Stabilized	Integrated UV lamp and HEPA system and minimum 1uL precise pipetting supported.
Customized	Support customized development according to different needs and applications, graphical drag-and-drop script editor, which is compatible with Python diverse script development.

WD graphical drag-and-drop script editor



Automated Package for MPS Library Preparation



Performance Parameter

Pipette	Pipette Type	Fixed 8 channel			
	Pipette Range	1 μ L~200 μ L			
	Pipette CV	2 μ L : <5%	200 μ L: <1%		
	Pipette Accuracy	2 μ L: < \pm 10%	200 μ L: < \pm 1%		
PCR	PCR Temp. Range		4~99°C		
	PCR Temp. Accuracy		\pm 0.3°C at 55°C		
	PCR Temp. Uniformity		\pm 0.2°C at 72°C		
Temperature Control Module	Temperature Control Module Temp. Range		4~90°C		
	Temperature Control Module Temp. Accuracy		\pm 1°C at 55°C		
	Temperature Control Module Temp. Uniformity		\pm 1°C at 72°C		
Robot Arm Positioning Accuracy	\pm 0.1mm				
HEPA System	99.99%@0.3 μ m filtration efficiency				
UV Lamp	Radiation dose higher than 100 000 μ W.s/cm ²				
Operating Environment Requirements	Temperature	19°C~25°C			
	Relative Humidity	20%RH~80%RH, non-condensing			
	Atmospheric Pressure	80~106kPa			
	Waterproof Rating	IPX0			
Power Type	100~240V, 50/60HZ, 1600VA				
Dimensions	Length 780mm,Width 725mm,Height 777mm				
Net Weight	130kg				

Ordering Information

Model	Product Name	Intended Market	Item NO.
MGISP-100RS	DNA Sequencing Library Preparation System MGISP-100RS	CE RUO	900-000206-00
MGISP-100	DNA Sequencing Library Preparation System MGISP-100	CE IVD	900-000207-00

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