

Performance Parameters

Pipette	Pipetting range	1 μ L-1000 μ L
	Pipetting CV	1 μ L : CV<8 %
		200 μ L : CV<1 %
		1000 μ L : CV<1 %
	Pipetting accuracy	1 μ L : accuracy< \pm 10 %
		200 μ L : accuracy< \pm 2 %
1000 μ L : accuracy< \pm 1 %		
Robotic arm	Positioning accuracy: \pm 0.1 mm	

Hardware Parameters

UV disinfection system	The dose of irradiation is higher than 100,000 μ W.s/cm ²	
Size	W: 1410 mm, H: 799 mm, D: 970 mm (without HEPA module)	
Net weight	Approximately 220 kg (485lb, without carriers)	
Power requirements	Voltage	200-240 V, 50/60 Hz
	Rated power consumption	1500 VA (not including modules on operation deck and optional modules)
Working environment	Relative humidity	20 %RH-80 %RH, No condensation
	Air pressure range	80-106 kPa

MGISP-Smart 8

Your Independent 8-channel Pipetting Robot



MGI Tech Co., Ltd.

Building 11, Beishan Industrial Zone,
Yantian District, Shenzhen, CHINA
518083

Version: July 2023 | MGPC1102N02

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Why Choose

MGISP-Smart 8

Automated sample preparation system



MGISP-Smart 8

Flexible Pipetting Robot For Lab Automation



- **Flexible pipetting**

MGISP-Smart 8 is a professional automated pipetting robot, equipped with an **independent 8 pipetting channels**. The **pipetting volume range** is from **1 μ L to 1000 μ L**. Its pipetting distance, volume and height are independently adjustable, which allow various flexible pipetting routines, greatly improving automated sample transfer, plate setup, and assay processes.

- **Easy and Efficient**

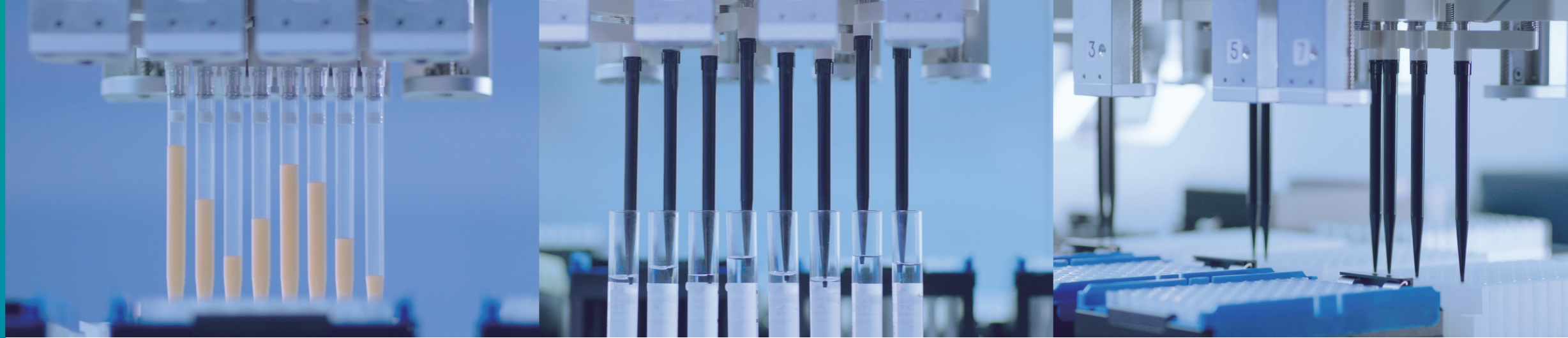
MGISP-Smart 8 has a **graphic workflow** design software, which includes **abundant functional commands** and supports **defined template** for easy and efficient process design. In addition, MGISP-Smart 8 supports **user-defined consumable parameters** and **Liquid parameters** for different scenarios.

- **Modular design**

MGISP-Smart 8 adopts the **modular design** concept of plug-and-play, which can provide **abundant selections of function modules and carriers**, so it can be flexibly adapted to different application.

Flexible Pipetting

Independent 8-channel pipetting



- MGISP-Smart 8 has eight independent pipetting channels. Its pipetting based on **air displacement**, which ensures stability, accuracy and avoids cross-contamination.

- The dynamic pipetting range of MGISP-Smart 8 is 1-1000µL that enables flexible pipetting. The channels also feature **dual liquid level detection**.

Dual Liquid Level Detection

- **Capacitive Liquid Level Detection**: Conductive liquid level can be detected quickly, with conductive tips, based on the instant capacitance change.
- **Pneumatic Clot Detection**: Intelligent identification of clots and blockages in tips based on internal air pressure monitoring.

Triple Flexible Pipetting

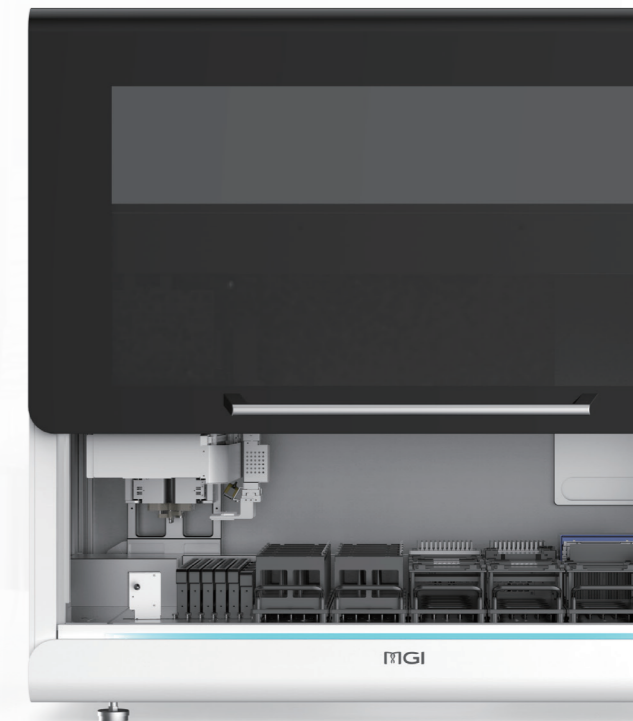
- **Unequal Volume Pipetting**: Each channel pipette allows for unequal volume pipetting from 1 µL to 1000 µL volume.
- **Unequal Height Pipetting**: The pipette height of each channel can be adjusted intelligently.
- **Unequal Distance Pipetting**: Unequal independent spreading channels from 9mm-480mm allows for cross-tube and cross-plate pipetting.

Performance Parameter

Pipetting Range	Pipetting Volume	Pipetting CV	Pipetting Accuracy
1 µL-1000 µL	1 µL	<8 %	<±10 %
	200 µL	<1 %	<±2 %
	1000µL	<1 %	<±1 %

Plus+: Advanced Pipetting Freedom

- **Intelligent Liquid Level Tracking**
The tip depth under the liquid surface can be adjusted intelligently, which will avoid the tip hanging fluid.



Modular design

Modular carriers and multiple configurations

Modular design provides greater flexibility and expandability

- ▶ **Modular system design**
 - The modular design allows to quickly and easily combine, replace or rearrange functional modules & carriers & adapters, flexibly serving different application scenarios.
- ▶ **Multiple functional modules**
 - The MGISP-Smart 8 includes abundant functional modules to realize the transition from a simple pipetting platform to an automated workstation adapted to different applications.



1 Choose a host

2 Select function modules & function carriers

Deck Scanner A

Robot Scanner A

Magnetic Module A

Magnetic Module B

Shaker Module A

E-control Module

Combi. Carrier B
(with Temp. Control Modul*1)

Combi. Carrier H
(with Heater Shaker Module*1)

Combi. Carrier I
(with Temp. Control Modul*2)

Combi. Carrier G
(with Heater Shaker Module *2)

Combi. Carrier J
(with PCR Module *1)

3 Select base carriers

Tube Carrier A

Tube Carrier B

Tube Carrier C

Single Well Reservoir Carrier A

Suspended Tip Carrier A

Plate Carrier A

Combi. Carrier A

Combi. Carrier B

4 Select adapters

Tube Adapter A

Tube Adapter B

Multi-segment Adapter A

Multi-segment Adapter B

Multi-segment Adapter C

Deepwell Plate Adapter A

PCR Plate Adapter A

PCR Plate Adapter B

Single Well Reservoir Adapter A

PCR Plate Adapter C

Deepwell Plate Adapter C

Single Well Reservoir Adapter B

Multi-segment Adapter D

5 Select consumables

Tips

96-Well Plates

Single hole groove type

Break-away PCR Plate

Complete Your Equipment Design

*Please confirm the application, compatible kits and throughput before starting to design your MGISP-Smart 8.

How to Choose

MGISP-Smart 8

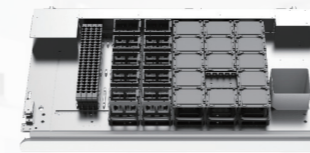
Config.1 Cherry Picking Workstation

Config.2 Sample Transfer & Reaction Preparation Workstation

Config.3 Nucleic Acid Extraction Workstation

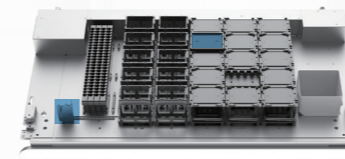
Config.4 Library Preparation Workstation

B



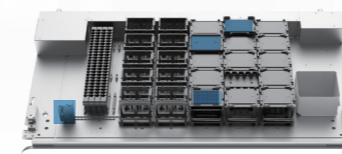
▷ Config.1 **Cherry Picking Workstation**

- It is suitable for various consumables, realizing flexible pipetting.



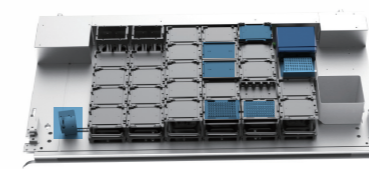
▷ Config.2 **Sample Transfer & Reaction Preparation Workstation**

- It realizes sample and reagent dispensing and reaction preparing, etc., with the Temp. Control Module.



▷ Config.3 **Nucleic Acid Extraction Workstation**

- It can fully automate the workflows including sample dispensing / nucleic acid extraction/reaction setup/normalization.
- It reduces aerosol contamination with dual HEPA system.



▷ Config.4 **Library Preparation Workstation**

- It can automate most library preparation processes such as extraction, normalization, purification, enzyme reaction, hybridization & capture, make DNB, pooling, etc.

MGISP-Smart 8RS Config.1

900-000495-00

Cherry Picking Workstation

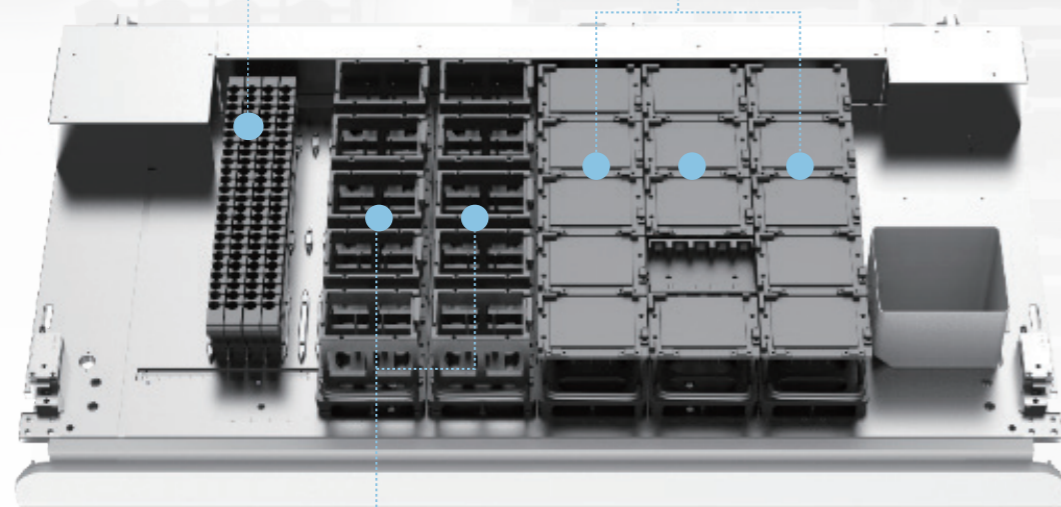


Tube carrier A*4

- Suitable for 0.6mL, 0.5mL, 1.5mL, 2mL tubes (adapter required) and 6mL, 10mL blood collection tubes

Plate Carrier A*2+Combi. Carrier A*1

- Suitable for 50mL and 100mL Single Well Reservoir and 96 Well SBS Microplates



Suspended Tip Carrier A*2

- Suitable for 1000µL, 200µL and 50µL automated tips

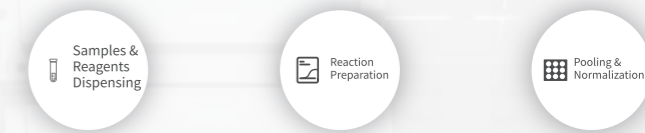
The following adapters require extra purchase (not in config.1)

Picture	Name	Item No.	Picture	Name	Item No.
	Tube Adapter A	510-002097-00		PCR Plate Adapter A	510-003556-00
	Tube Adapter B	510-00209-00		Multi-segment Adapter B	510-003557-00
	PCR Plate Adapter C	510-003047-00		Multi-segment Adapter C	510-003560-00
	Deepwell Plate Adapter B	510-003174-00			

MGISP-Smart 8RS Config.2

900-000500-00

Sample Dispensing & Reaction Preparation Workstation



- Support tubes on machine;
- Flexible random sampling ;
- Suitable for various consumables.

Tube Carrier A*4

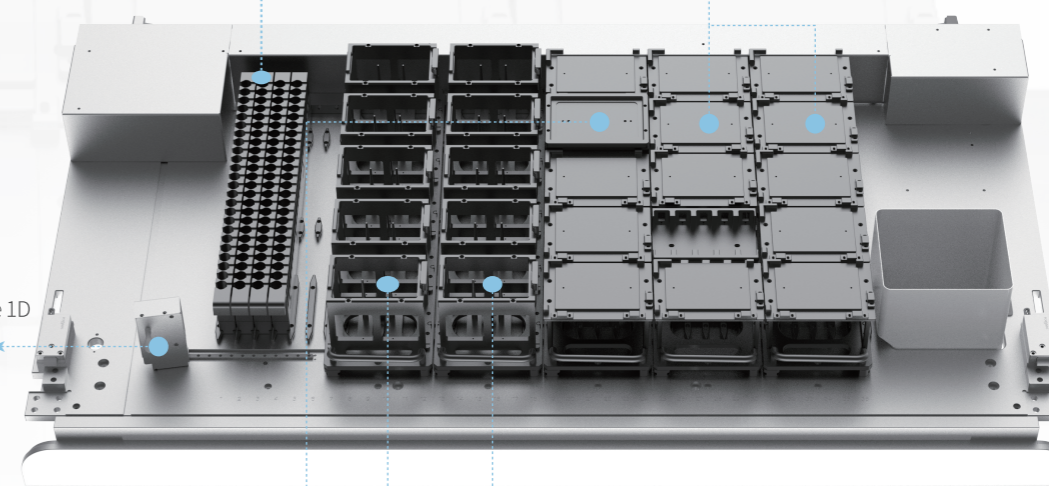
- Suitable for 0.6mL, 0.5mL, 1.5mL, 2mL tubes (adapter required) and 6mL, 10mL Blood Collection Tubes

Plate Carrier A*1+Combi. Carrier A*1

- Suitable for 50mL and 100mL Single Well Reservoir and 96 Well SBS Microplates

Deck Scanner A*1

- For scanning of the 1D code tubes



- For low-temperature storing and high-temperature heating of samples or reagents.

Combi. Carrier B*1

- Temp. Control Module A*1
- Multi-segment Adapter A*1

Suspended Tip Carrier A*2

- Suitable for 1000µL, 200µL and 50µL Automated Tips

The following adapters require extra purchase (not in config.2)

Picture	Name	Item No.	Picture	Name	Item No.
	Tube Adapter A	510-002097-00		PCR Plate Adapter A	510-003556-00
	Tube Adapter B	510-00209-00		PCR Plate Adapter B	510-003558-00
	Multi-segment Adapter B	510-003557-00		PCR Plate Adapter C	510-003047-00
	Multi-segment Adapter C	510-003560-00		Deepwell Plate Adapter A	510-003563-00
	Multi-segment Adapter D	510-003173-00		Deepwell Plate Adapter B	510-003174-00
	Single Well Reservoir Adapter B	510-003175-00		Deepwell Plate Adapter C	510-003172-00

MGISP-Smart 8RS Config.3

900-000498-00

Nucleic Acid Extraction Workstation



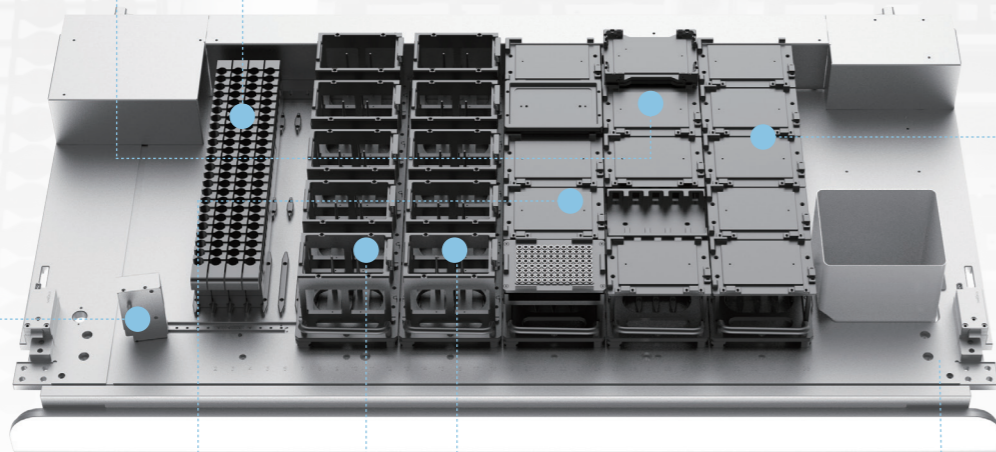
For shaking & heating function.

- Combi. Carrier**
- Heater Shaker Module*1
 - Deepwell Plate Adapter A*1
 - Single Well Reservoir Adapter A*1

- Tube Carrier A*4**
- Suitable for 0.6mL, 0.5mL, 1.5mL, 2mL Tubes (adapter required) and 6mL, 10mL Blood Collection Tubes

- Plate Carrier A*1**
- Suitable for 96 Well SBS Microplates

- Deck Scanner A*1**
- For scanning of the 1D code tubes



For low-temperature storing and high-temperature heating of samples or reagents; Supporting magnetic beads adsorption in Deepwell Plate to automate nucleic acid extraction or purification of samples.

- Combi. Carrier**
- Temp. Control Module*2
 - Magnetic Module A*1
 - Multi-segment Adapter A*1

- Suspended Tip Carrier A*2**
- Suitable for 1000µL, 200µL and 50µL Automated Tips

- HEPA Module A*1**
- Air purification rate of 99.995% @ 0.3µm.

The following adapters require extra purchase (not in config.3)

Picture	Name	Item No.	Picture	Name	Item No.
	Tube Adapter A	510-003559-00		Multi-segment Adapter C	010-004055-00
	Tube Adapter B	510-003561-00		PCR Plate Adapter A	510-003556-00
	Multi-segment Adapter B	510-003557-00		PCR Plate Adapter B	510-003558-00
	Multi-segment Adapter D	510-003173-00		PCR Plate Adapter C	510-003047-00
	Single Well Reservoir Adapter B	510-003175-00		Deepwell Plate Adapter B	510-003174-00
				Deepwell Plate Adapter C	510-003172-00

MGISP-Smart 8RS Config.4

900-000503-00

Library Preparation Workstation



- Tube Carrier A*4**
- Extra Tube Carriers for tube samples automation

- Combi. Carrier K*2**
- Suitable for 1000µL suspended tips and 200µL, 50µL boxed tips

To realize the reuse of the tips, Reducing consumable costs

- Combi. Carrier**
- Temp. Control Module A*2
 - Magnetic Module A*1
 - Deepwell Plate Adapter A*1
 - Multi-segment Adapter A*1

For low-temperature storing and high-temperature heating of samples or reagents; Supporting magnetic beads adsorption in Deepwell Plate to automate nucleic acid extraction or purification of samples.

- Deck Scanner A*1**
- For scanning of the 1D code tubes

- Plate Carrier A*1**
- Compatible SBS Microplates

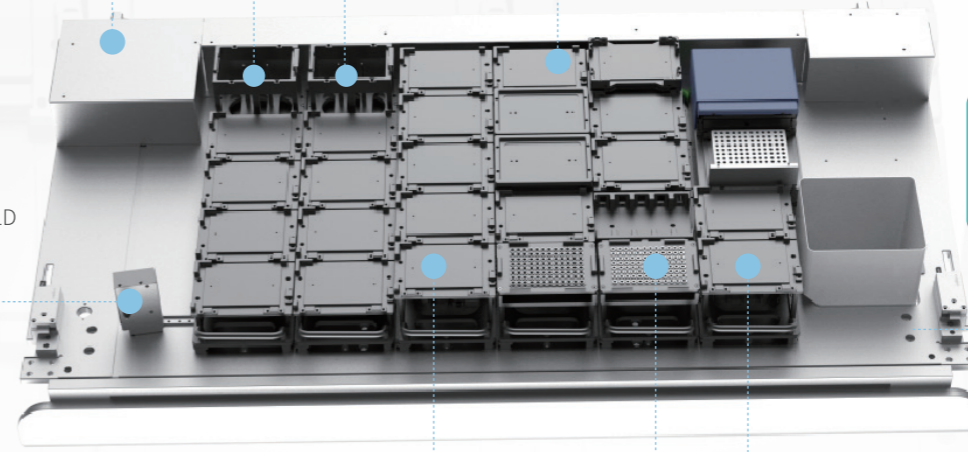
For shaking & heating function; For magnetic beads absorption based on PCR plate to purify samples.

- Combi. Carrier**
- Heater Shaker Module*1
 - Magnetic Module B*1
 - Deepwell Plate Adapter A*1
 - Single Well Reservoir Adapter A*1

- Combi. Carrier**
- PCR Module A*1

For enzyme reactions and PCR reactions.

- HEPA Module A*1**
- Air purification rate of 99.995% @ 0.3µm.



The following adapters require extra purchase (not in config.4)

Picture	Name	Item No.	Picture	Name	Item No.
	Tube Adapter A	510-003559-00		Multi-segment Adapter C	510-003560-00
	Tube Adapter B	510-003561-00		PCR Plate Adapter A	510-003556-00
	Multi-segment Adapter B	510-003557-00		PCR Plate Adapter B	510-003558-00
	Multi-segment Adapter D	510-003173-00		PCR Plate Adapter C	510-003047-00
	Single Well Reservoir Adapter B	510-003175-00		Deepwell Plate Adapter B	510-003174-00
				Deepwell Plate Adapter C	510-003172-00



Purchasing Guide

More about MGISP-Smart 8





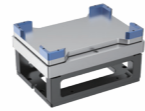

Unlock flexibility and possibilities



Hosts

Image	Name	Description	Item NO.
	MGISP-Smart 8RS Automated Sample Preparation System	Without HEPA.	900-000592-00
	MGISP-Smart 8RS Automated Sample Preparation System	With HEPA, maintain negative pressure inside the machine.	900-000589-00




Function Modules (Optional)

Image	Name	Description	Item NO.
	Robot Scanner A	Able to move with pipette arm, used for scanning barcodes of microplates.	510-001991-00
	Deck Scanner A	Fix on the left side of the table, used for scanning barcodes of tubes.	510-002091-00
	Magnetic Module A	For magnetic beads absorption based on Deepwell Plates.	510-002090-00
	Magnetic Module B	For magnetic beads absorption based on 0.2mL 96 Well Skirted PCR Plates.	510-002095-00
	Shaker Module A	For mixing during experiments on Deepwell Plates.	510-002089-00
	E-control Module	An automatic control system that connects the communication between the computer and machine, and provides power for machine, Temp.Control Module A, Heater&Shaker Module A, Shaker Module A and PCR Module A.	510-002096-00


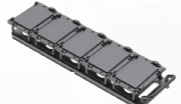
Function Carriers

Image	Name	Description	Item NO.
	Combi. Carrier B	The second position is a Temp.Control Module A for low-temperature storing and high-temperature heating of samples or reagents.	510-001996-00
	Combi. Carrier G	Ireludes PCR Module A for enzyme reaction and PCR reaction.	510-002000-00
	Combi. Carrier H	The first position is the Heater & Shaker Module A, providing both shaking and heating functions.	510-001997-00
	Combi. Carrier I	Two Temp.Control Modules A for low-temperature storing and high-temperature heating of samples or reagents.	510-001994-00
	Combi. Carrier J	Two Heater & Shaker Module A provide shaking & heating functions.	510-002003-00

Tube Carriers

Image	Name	Description	Item NO.
	Tube Carrier A	It can be placed 24 tubes, compatible with 0.5mL, 0.6mL, 1.5mL, 2mL Centrifugal Tubes (adaptors required) or 6mL, 10mL Blood Collection Tubes.	510-002097-00
	Tube Carrier B	It can be placed 20 tubes, compatible with 5mL Centrifugal Tubes.	510-002093-00
	Tube Carrier C	It can be placed 12 tubes, compatible with 50mL Centrifugal Tubes.	510-002092-00

Tip Carriers

Image	Name	Description	Item NO.
	Suspended Tip Carrier A	It can be placed 5 boxes of tips, compatible with 50µL, 200µL, 1000µL Tips.	510-002094-00
	Plate Carrier B	Suitable for 200µL, 50µL boxed tips	510-002912-00

Reservoir Carriers

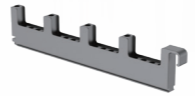

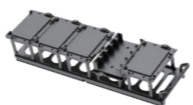
Image	Name	Description	Item NO.
	Single Well Reservoir Carrier A	It can be placed 4 Single Well Reservoirs, compatible with 50mL and 100mL Reservoirs.	510-001992-00

Plate Carriers

Image	Name	Description	Item NO.
	Plate Carrier A	It can be placed 5 microplates.	510-002001-00
	Combi. Carrier A	The fourth plate is Plate Carrier Rack B, with Single Well Reservoirs Adapter A, which can hold 4 SBS Microplates and 5 Single Well Reservoirs of 50mL and 100mL.	510-001998-00

Adapters





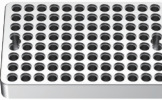
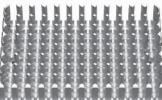


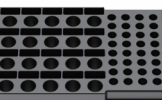






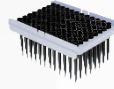
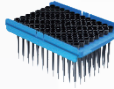



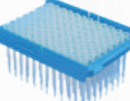
Image	Name	Description	Item NO.
	Tube Adapter A	Applied to Tube Carrier A, compatible with 0.5mL, 2mL Cryo Tubes and 1.5mL, 2mL Centrifuge Tubes.	510-003559-00
	Tube Adapter B	Applied to Tube Carrier A, compatible with 0.6mL Centrifuge Tubes.	510-003561-00
	Single Well Reservoir Adapter A	Applied to Plate Carrier Rack B, compatible with 5 single Well Reservoirs of 50mL and 100mL single well reservoirs, 50mL and 100mL single well reservoir and cap sets	510-003562-00
	PCR Plate Adapter A	Applied to SBS Plate, compatible with 0.2 mL 96 Well Half-skirt PCR Plate.	510-003556-00
	PCR Plate Adapter B	Applied to Temp.Control Module A, compatible with 96 Well PCR Plates.	510-003558-00
	Deepwell Plate Adapter A	Applied to Temp.Control Module A and Heater Shaker Module A, compatible with 1.3ml 96 Well U-bottom Deepwell Plate.	510-003563-00
	Multi-segment Adapter A	Applied to Temp.Control Module A, compatible with 0.5mL, 2mL Centrifuge Tubes and Break-away PCR Plate.	510-003564-00
	Multi-segment Adapter B	Applied to SBS Plate, compatible with 0.6mL Centrifuge Tubes.	510-003557-00
	Multi-segment Adapter C	Applied to SBS Plate, compatible with 0.5mL, 2mL Cryo Tubes and 1.5mL, 2mL Centrifuge Tubes and Break-away PCR Plate.	510-003560-00

Image	Name	Description	Item NO.
	PCR Plate Adapter C	It supports automated pipetting of PCR plate during sealing, providing anti-banding function, which is applied to standard plate.	510-003047-00
	Deepwell Plate Adapter B	It supports automated pipetting of 1.3mL deep well plate during sealing, providing anti-banding function, which is applied to standard plate.	510-003174-00
	Deepwell Plate Adapter C	It supports automated pipetting of 1.3mL deep well plate during sealing, providing anti-banding function, which is applied to temp.control module.	510-003172-00
	Single Well Reservoir Adapter B	It supports temperature control of liquids in large volumes, which is suitable for temp.control module and adapted to 50mL single well reservoirs and 50mL single well reservoirs and cap sets	510-003175-00
	Multi-segment Adapter D	It is anti-condensation water adapter on the temperature control module, which is compatible with Break-away PCR Plate and 0.5mL and 2mL cryo tubes.	510-003173-00

Automated Conductive Tips

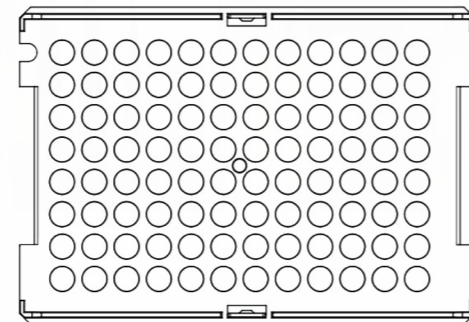
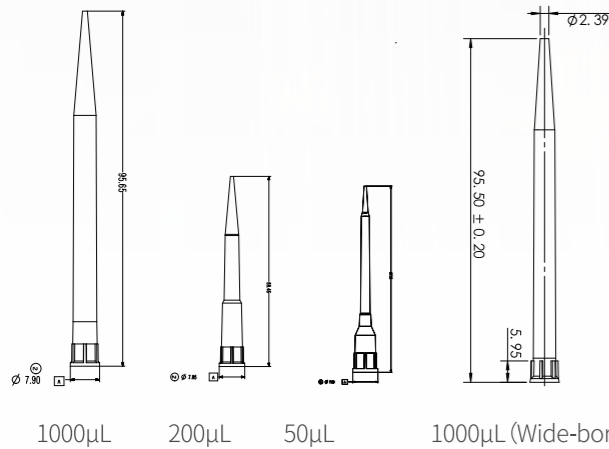
Image	Name	Specification	Unit	Sterility	Item NO.
	1000µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 40 racks/case	Case	Sterile	091-000223-00
	200µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	Sterile	091-000156-00
	50µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	Sterile	091-000159-00
	1000µL Black Conductive Tips, Sterile, Filtered (Wide-Bore)	96 tips/rack, 16 racks/case	Case	Sterile	091-000020-00

Automated Transparent Tips

Image	Name	Specification	Unit	Sterility	Item NO.
	1000µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 16 racks/case	Case	Sterile	1000023970
	200µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	Sterile	091-000158-00
	50µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	Sterile	091-000157-00

Tips Size

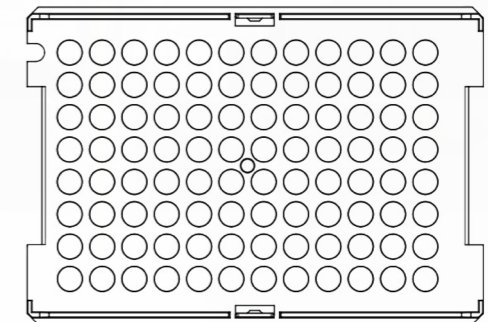
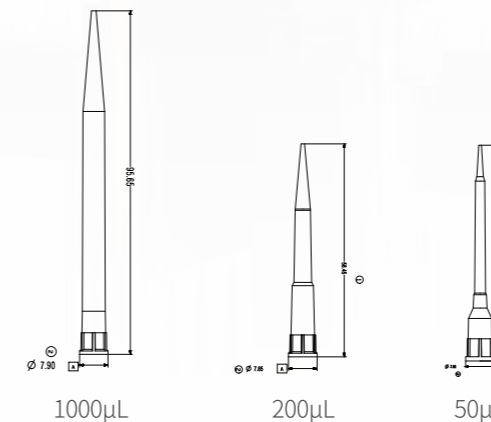
Tip Rack Size



- **Material**
 - ✓ Conductive polypropylene
- **Purity standard**
 - ✓ Human DNA free
 - ✓ PCR inhibitors free
 - ✓ Dnase/RNase free, Sterile
- **Features**
 - ✓ High-quality conductive polypropylene enables reliable liquid-level detection
 - ✓ Sterile filter elements prevent aerosol pollution
 - ✓ Wide-bore tips can be used to pipette the viscous solution

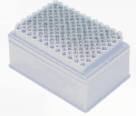
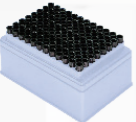
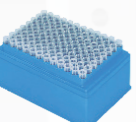
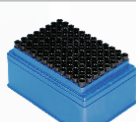
Tips Size

Tip Rack Size







- **Material**
 - ✓ Polypropylene
- **Purity standard**
 - ✓ Human DNA free
 - ✓ PCR inhibitors free
 - ✓ Dnase/RNase free, Sterile
- **Features**
 - ✓ High-quality polypropylene, resistant to various chemical reagents
 - ✓ Sterile filter elements prevent aerosol pollution
 - ✓ Different tip specifications ensure accurate sample transfer

Automated Transparent Tips

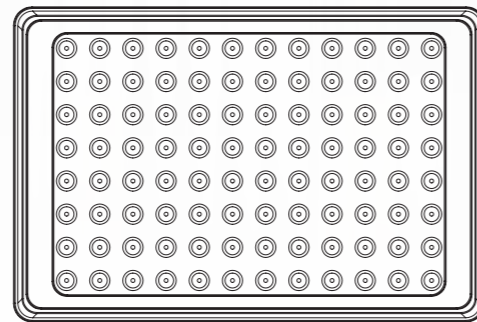
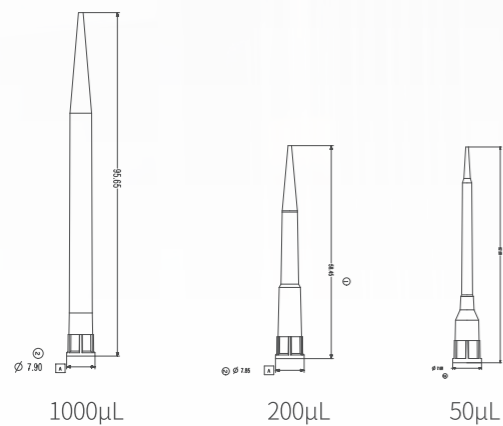
Image	Name	Specification	Unit	Sterility	Item NO.
	200µL Tips, Conductive , Filtered, Box	96 tips/box 24 boxes/case	Case	Sterile	091-000164-00
	200µL Tips, Transparent , Filtered, Box	96 tips/box 24 boxes/case	Case	Sterile	091-000163-00
	50µL Tips, Conductive , Filtered, Box	96 tips/box 24 boxes/case	Case	Sterile	091-000161-00
	50µL Tips, Transparent , Filtered, Box	96 tips/box 24 boxes/case	Case	Sterile	091-000162-00

Single Well Reservoirs

Image	Name	Specification	Unit	Volume	Sterility	Item NO.
	50mL Single Well Reservoir	50 pieces/box	Box	2-50mL	Sterile	012-000780-00
	100mL Single Well Reservoir	50 pieces/box	Box	2-100mL	Sterile	012-000779-00
	50mL Single Well Reservoir and Cap Set	50 Sets/box	Box	2-50mL	Sterile	091-000375-00
	100mL Single Well Reservoir and Cap Set	50 Sets/box	Box	2-100mL	Sterile	091-000374-00

Tips Size

Tip Rack Size



Material

- ✓ Polypropylene

Purity standard

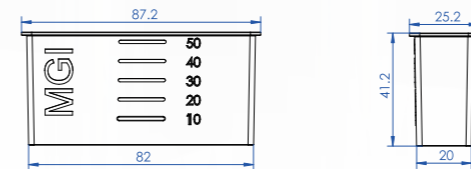
- ✓ Human DNA free
- ✓ PCR inhibitors free
- ✓ Dnase/RNase free, Sterile

Features

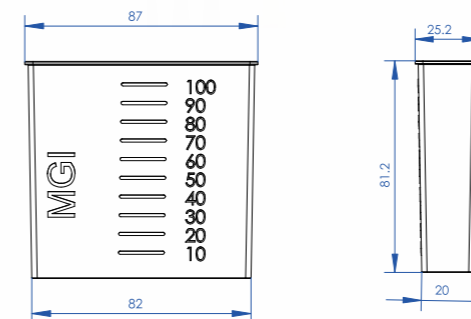
- ✓ High-quality polypropylene, resistant to various chemical reagents
- ✓ Sterile filter elements prevent aerosol pollution
- ✓ Different tip specifications ensure accurate sample transfer
- ✓ To realize the reuse of the tips, Reduce consumable costs

Single Well Reservoir Size

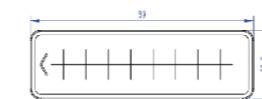
Consumables Description



50mL Single Well Reservoir



100mL Single Well Reservoir



Cap

Material

- ✓ Polypropylene



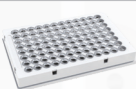

Purity standard

- ✓ Human DNA free
- ✓ PCR inhibitors free
- ✓ DNase, RNase free, Sterile

Features

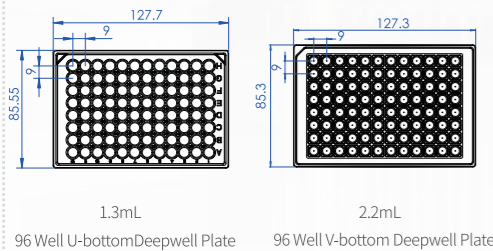
- ✓ Resistant to various chemical reagents
- ✓ Accurate measuring range, flexible working volume, efficient dispensing of reagents

96 Well Plates

Image	Name	Specification	Unit	Volume	Sterility	Item NO.
	1.3mL 96 Well U-bottom Deepwell Plate	2 plates/bag	Bag	≤1.3mL	Sterile	1000004644
	2.2 mL 96 Well V-bottom Deepwell Plate	60 plates/case	Case	≤2.2mL	Sterile	1000008088
	Hard-shell Thin-wall 96 Well Skirted PCR Plates, White Shell/Clear Well	10 plates/bag	Bag	≤200 μL	Sterile	1000012059
	0.2 mL 96 Well Half-skirt PCR Plate	10 plates/box, 20 boxes/case	Case	≤200 μL	Sterile	1000000671

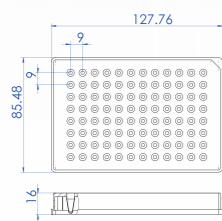
96 Well Plate Size

Consumables Description



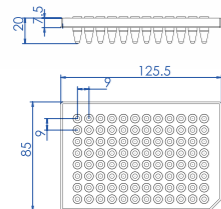
1.3mL 96 Well U-bottom Deepwell Plate 2.2mL 96 Well V-bottom Deepwell Plate

- **Material:** USP Class VI and FDA approved medical grade polypropylene material
- **Purity standard**
 - ✓ Human DNA free
 - ✓ PCR inhibitors free
 - ✓ DNase, RNase free, Sterile
- **Features**
 - ✓ High-quality heat-resistant and corrosion-resistant polypropylene material
 - ✓ Letter-number coordinate design, easy to locate well
 - ✓ High flatness and good consistency of external dimension, and conducive to the grab of automatic instrument mechanical arm



0.2mL 96 Well Half-skirt PCR Plate

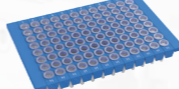
- **Purity standard**
 - ✓ Sterile, pyrogen free
 - ✓ Endotoxin, DNA free
 - ✓ DNase, RNase free
 - ✓ Inhibitors free
- **Features**
 - ✓ High-quality heat-resistant and corrosion-resistant polypropylene material
 - ✓ Ultra-thin tube wall provides fast and uniform heat conduction effect
 - ✓ Letter-number coordinate design, easy to locate well
 - ✓ Convex edge design of the tube guarantees the sealing and pollution-free



0.2mL 96 Well Half-skirt PCR Plate

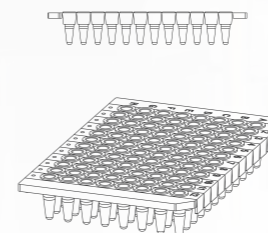
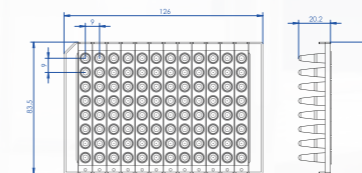
- **Purity standard**
 - ✓ Sterile, pyrogen free
 - ✓ Endotoxin, DNA free
 - ✓ DNase, RNase free
 - ✓ Inhibitors free
- **Features**
 - ✓ High-quality heat-resistant and corrosion-resistant polypropylene material
 - ✓ Ultra-thin tube wall provides fast and uniform heat conduction effect
 - ✓ Convex edge design of the tube guarantees the sealing and pollution-free

Break-away PCR Plate

Image	Name	Specification	Unit	Volume	Sterility	Item NO.
	Break-away PCR Plate and Cover, 96 Well	10 plates/box(Tube) 120 strips/box (Cap)	Box	≤200 μL	Sterile	100-000016-00

Break-away PCR Plate Size

Consumables Description



- **Material**
 - ✓ Tube Wells: polypropylene
 - ✓ Tube Frame: Polycarbonate
 - ✓ Cap: Polypropylene

• Purity standard

- ✓ Sterile, pyrogen free
- ✓ Endotoxin, DNA free
- ✓ DNase, RNase free
- ✓ Inhibitors free

• Features

- ✓ Standard 96-well design, can be broken vertically into single eight-tubes
- ✓ Matching caps can effectively prevent sample volatilization
- ✓ Dual-material design, the rugged plate is more suitable for heat sealing film. It can be used in combined with Strips of 8 Caps.

Consumables List

Automated Tips

Name	Specification	Unit	Item NO.
1000µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 40 racks/case	Case	091-000223-00
200µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	091-000156-00
50µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	091-000159-00
1000µL Black Conductive Tips, Sterile, Filtered (Wide-Bore)	96 tips/rack, 16 racks/case	Case	091-000020-00
1000µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 16 racks/case	Case	1000023970
200µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	091-000158-00
50µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	091-000157-00
200µL Tips, Conductive , Filtered, Box	96 tips/box, 24 boxes/case	Case	091-000164-00
200µL Tips, Transparent , Filtered, Box	96 tips/box, 24 boxes/case	Case	091-000163-00
50µL Tips, Conductive , Filtered, Box	96 tips/box, 24 boxes/case	Case	091-000161-00
50µL Tips, Transparent , Filtered, Box	96 tips/box, 24 boxes/case	Case	091-000162-00

Single Well Reservoirs

Name	Specification	Unit	Item NO.
50mL Single Well Reservoir	50 pieces/box	Box	012-000780-00
100mL Single Well Reservoir	50 pieces/box	Box	012-000779-00
50mL Single Well Reservoir and Cap Set	50 Sets per Box	Box	091-000375-00
100mL Single Well Reservoir and Cap Set	50 Sets per Box	Box	091-000374-00

96 Well Plates

Name	Specification	Unit	Item NO.
1.3ml 96 Well U-bottom Deepwell Plate	2 plates/bag	Bag	1000004644
2.2 mL 96 Well V-bottom Deepwell Plate	60 plates/bag	Case	1000008088
Hard-shell Thin-wall 96 Well Skirted PCR Plates, White Shell/Clear Well	10 plates/bag	Bag	1000012059
0.2 mL 96 Well Half-skirt PCR Plate	10 plates/box, 20 boxes/case	Case	1000000671

Break-away PCR Plate

Name	Specification	Unit	Item NO.
Break-away PCR Plate and Cover, 96 Well	10 plates/box (Tube)	Box	100-000016-00
	120 strips/box (Cap)		

MGISP Series

Multi-faceted to meet your laboratory's individual needs



MGISP-100

Throughput → 8 or 16 Samples/Run*

Deck capacity → 6 SBS positions

- Fixed 8-channel pipette
- Compact countertop, standardized model for library preparation
- Suitable for small and medium-sized laboratory



MGISP-Smart 8

Throughput → 1-48 Samples/Run*

Deck capacity → 30 SBS positions

- Independent 8-channel pipette
- Rail-type countertops, customizable for different applications
- Fit for flexible throughput laboratory



MGISP-960

Throughput → 96 Samples/Run*

Deck capacity → 24 SBS positions

- Fixed 96-channel pipette
- Compact countertop, integrate multiple function modules
- Suitable for high throughput laboratory

*The numbers were calculated based on the throughputs of library preparation.