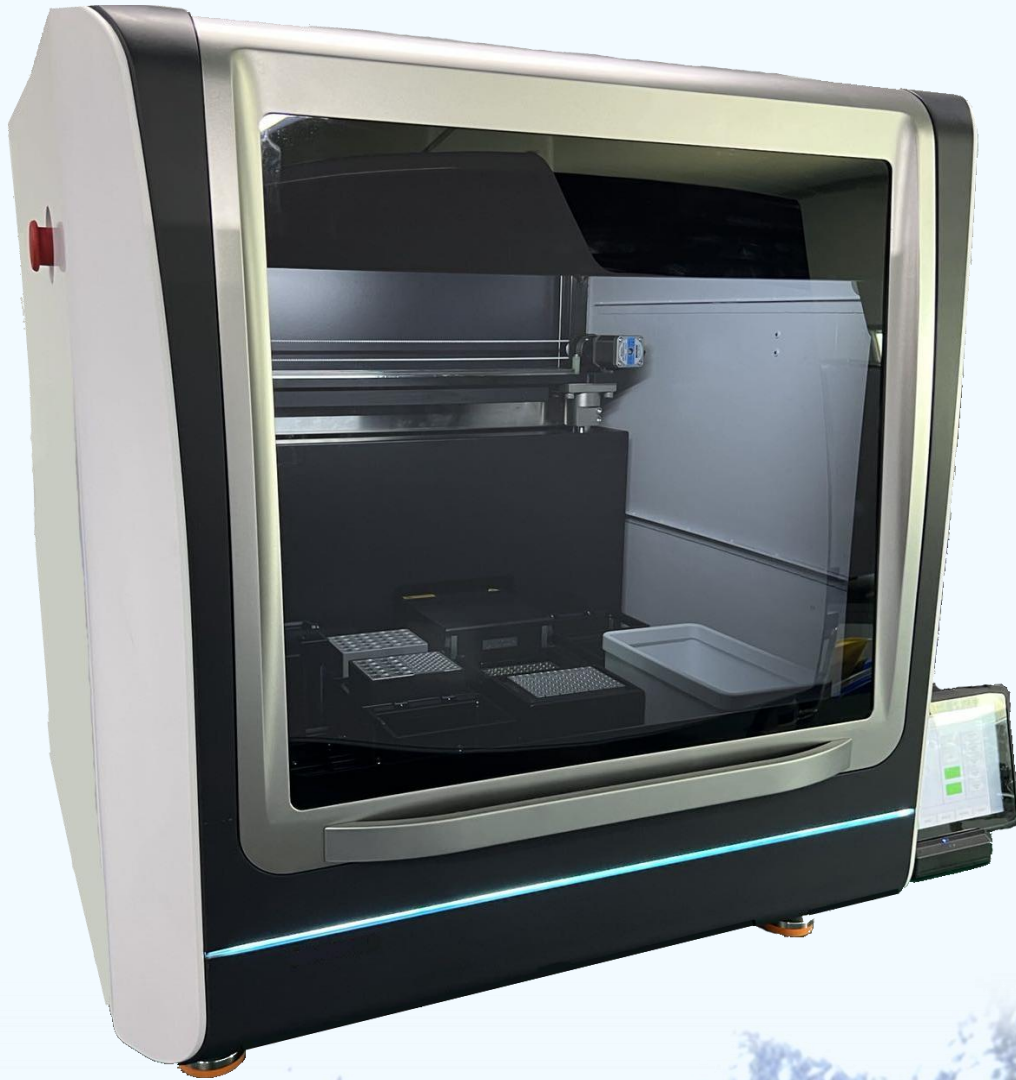
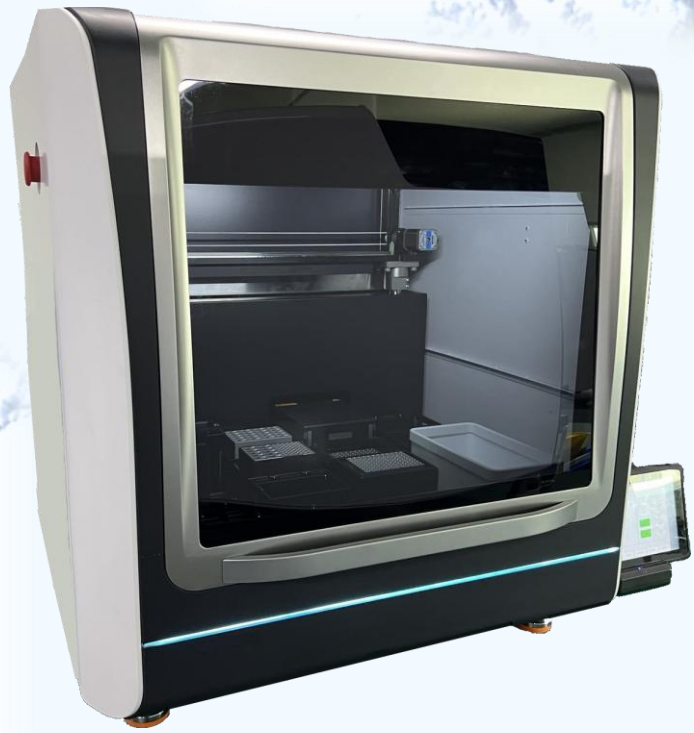


# iNA NGS Automated Prep Workstation

iNA 全自動化次世代定序文庫製備系統





•**Comprehensive functionality:**

Integrated design with pre-installed PCR modules and temperature control units, covering the entire sequencing sample processing workflow.



•**Economical and efficient:**

Truly achieves unmanned automation and batch processing of samples, significantly reducing labor costs.



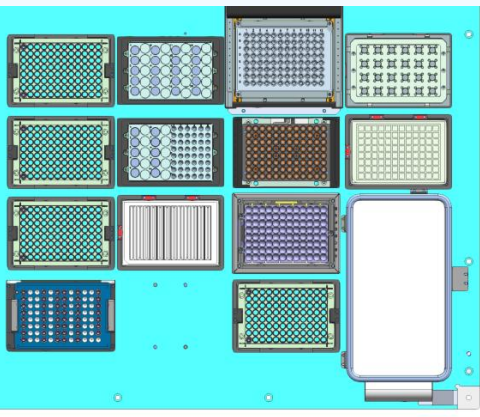
•**Open platform:**

Supports customized development based on different application requirements, offering powerful expandability.



•**Full protection:**

The system integrates UV germicidal lamps and HEPA filters, providing comprehensive contamination prevention.



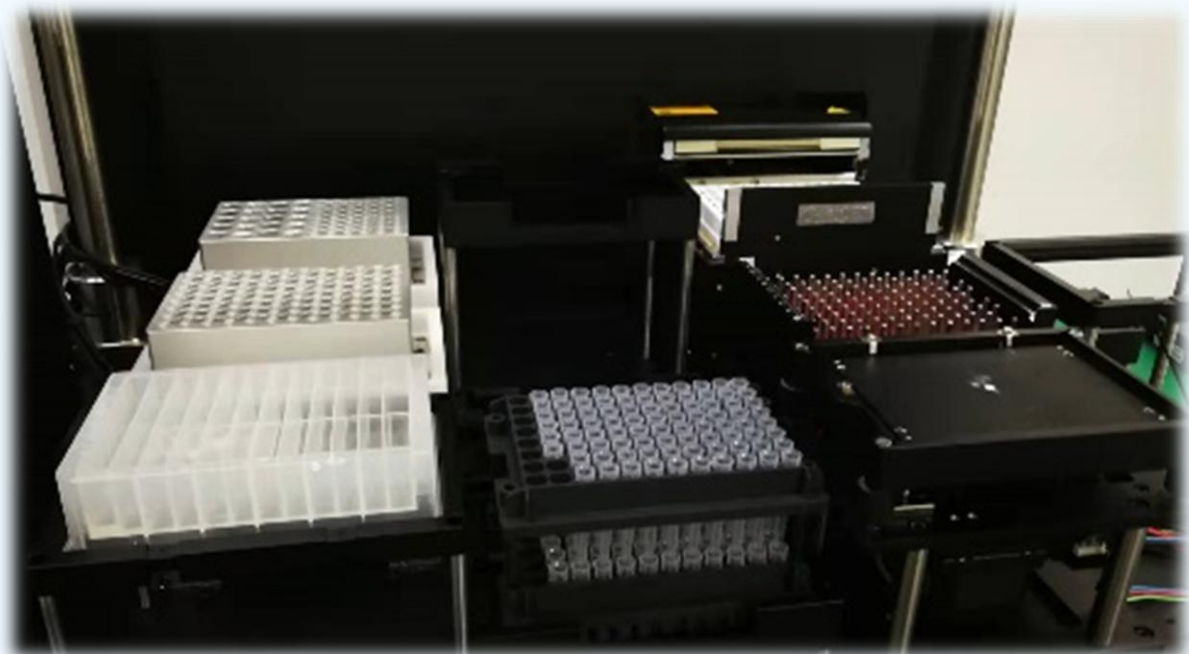
## System dimensions:

**760mm (Width)\* 700mm (Depth)\* 800mm (Height)**  
Weight: **200KG** AC **100-240V**, 50/60Hz

## Operating environment:

Applicable ambient temperature: **16°C ~ 40°C**  
Applicable relative humidity: **50%~80%**  
Applicable air pressure range: **80~106ka**

- ✓ **1 to 8 micro pipette tips Devices**
- ✓ **Micropipette and Gripper Switch Module (one arm)**
- ✓ **Two Sets of Reagent TE Cooler Modules**
- ✓ **Software Control Automatic PCR Module (lid heating)**
- ✓ **Up to 7 Tip Racks Stacked (96 tips)**
- ✓ **Automatic Lifting Magnetic Capture Device**
- ✓ **Software Control Heating and Shaking Module**
- ✓ **Control by Wireless Touchscreen Pad**
- ✓ **Support 96 well PCR Plate**
- ✓ **Support 8-strip tube (200ul)**



## Instrument Specifications

<b>Sample processing capacity</b>	Supports 8~24 or more samples per run
<b>Volume</b>	2 $\mu$ l~200 $\mu$ l 8-channel fixed-spacing micro pipette tips (1+7 liquid level sensors)
<b>Volume accuracy:</b>	200 $\mu$ l $\pm$ 1% ( 200 $\mu$ l micro pipette tips ) 2 $\mu$ l $\pm$ <5% ( 50 $\mu$ l micro pipette tips )
<b>Error alerts</b>	Abnormal pipette tip pick-up alerts, insufficient tip warnings, tip detachment during process alerts, etc.
<b>Arm positioning accuracy:</b>	$\pm$ 0.1mm
<b>Temperature control module:</b>	Temperature range: 4~96 $^{\circ}$ C Temperature accuracy: $\pm$ 1 $^{\circ}$ C (55 $^{\circ}$ C) Temperature uniformity: $\pm$ 1 $^{\circ}$ C (72 $^{\circ}$ C)
<b>Shaking module</b>	Temperature range : RT~100 $^{\circ}$ C Amplitude and frequency: : 2.4mm; 300~1500rpm/min
<b>Thermal cycler</b>	Temperature range: 4~99 $^{\circ}$ C; Temperature control accuracy: $\leq$ $\pm$ 0.3 $^{\circ}$ C Temperature uniformity: $\leq$ $\pm$ 0.2 $^{\circ}$ C Average heating rate: $\geq$ 4.2 $^{\circ}$ C/S Average cooling rate: $\geq$ 2.2 $^{\circ}$ C/S
<b>Main structural components</b>	<ol style="list-style-type: none"> <li>1. Eight-channel pipetting module;</li> <li>2. Magnetic rod holder with mixing and heating function;</li> <li>3. Automatic temperature control module;</li> <li>4. Automatic PCR module;</li> <li>5. X-Y-Z three-axis movement;</li> <li>6. Automatic gripper</li> </ol>
<b>Contamination prevention design:</b>	<ol style="list-style-type: none"> <li>1. HEPA filtration</li> <li>2. External exhaust system</li> <li>3. UV germicidal lamp (lifespan 10,000 hours)</li> </ol>



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