

## SC-H-II

### TOUCHSCREEN HOT PLATE WITH AUTO-LIFT

The SC-H-II is a high-temperature benchtop hot plate designed with a 200 mm × 200 mm heating area, capable of continuous 450°C operation. Driven by programmable multi-segment recipes, it features an integrated motorized substrate lift (0-30 mm), nitrogen purging gas path lines, and full vacuum evacuation channels for precise proximity baking workflows.



#### AT A GLANCE

Heating Area	<b>200 × 200 mm</b>
Max Temperature	<b>450°C</b>
Lifting Range	<b>0 - 30 mm</b>
Ramp Program	<b>10-Segment Recipe</b>
Interface	<b>8" Touch Screen</b>

#### Motorized Pin Lift

Integrates a programmable motorized jacking/pin lift mechanism (0-30 mm range) supporting precise proximity baking height configurations.

#### Atmosphere Control Channels

Supports controlled atmosphere baking workflows with adjustable nitrogen gas purging lines and active vacuum evacuation lines.

#### Ramping Temperature Profiles

Supports programming of up to 10 independent temperature segments per recipe for precise thermal ramp and dwell profiles.

#### Digital HMI Integration

Controlled via an integrated 8-inch touchscreen interface supporting USB peripheral integration and external recipe exports.

#### SETCAS ELECTRONICS CO., LIMITED

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## Technical Specifications

Process Capabilities & Thermal Performance	
Hot Plate Dimension	200 × 200 mm
Maximum Temperature	450 °C (continuously adjustable)
Constant Temp Fluctuation / Uniformity	±0.5 °C / ±0.5 °C (across highest temperature workspace)
Heating Rate	To 100 °C (1 s) – 200 °C (2 s)
Atmosphere Control	Supports nitrogen gas purging (0.2-0.8 MPa) and vacuum evacuation
Control System & Interface	
Human-Machine Interface (HMI)	8-Inch Touchscreen
Programming Function	10 segments, N groups of formulas (exportable via USB)
Lifting Range	0 - 30 mm (motorized lifting, arbitrarily positioned)
Peripheral Compatibility	Supports external mouse and keyboard connectivity
Data Protection	Default with Power Failure Protection Function
Power & Facilities	
Operating Voltage	AC 100-240V, single phase
Power Consumption	1 kW
Facilities & Mechanical Data	
Product Dimension (W×D×H)	270 mm × 379 mm × 271 mm
System Weight / Installation	6.5 kg / Horizontal desktop placement
Operating Environment	0 - 40 °C / < 85% RH
Warranty	1 Year

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