

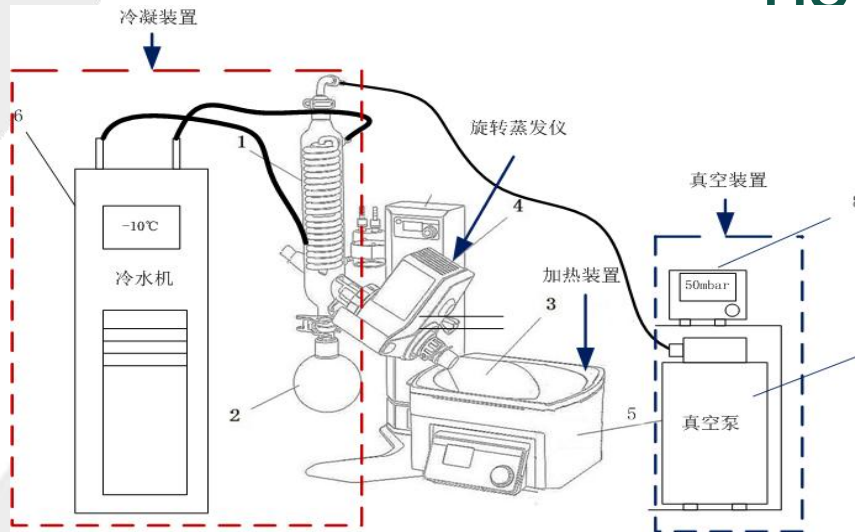


»» Array Rotary Evaporator

Green Safe Reliable Efficient

Traditional Rotary Evaporator

Rotary evaporator, by rotating the evaporating flask a certain **vacuum** and heating **temperature**, the sample forms a layer of liquid film on the inner of the evaporating flask, which increases the **surface** area of the sample to achieve The sample solvent quickly evaporates, and the solvent vapor is condensed and collected.



◆ Big size

At most 2 units can be placed into a hood.

◆ Low efficient

A vacuum pump can only support one rotary evaporator.

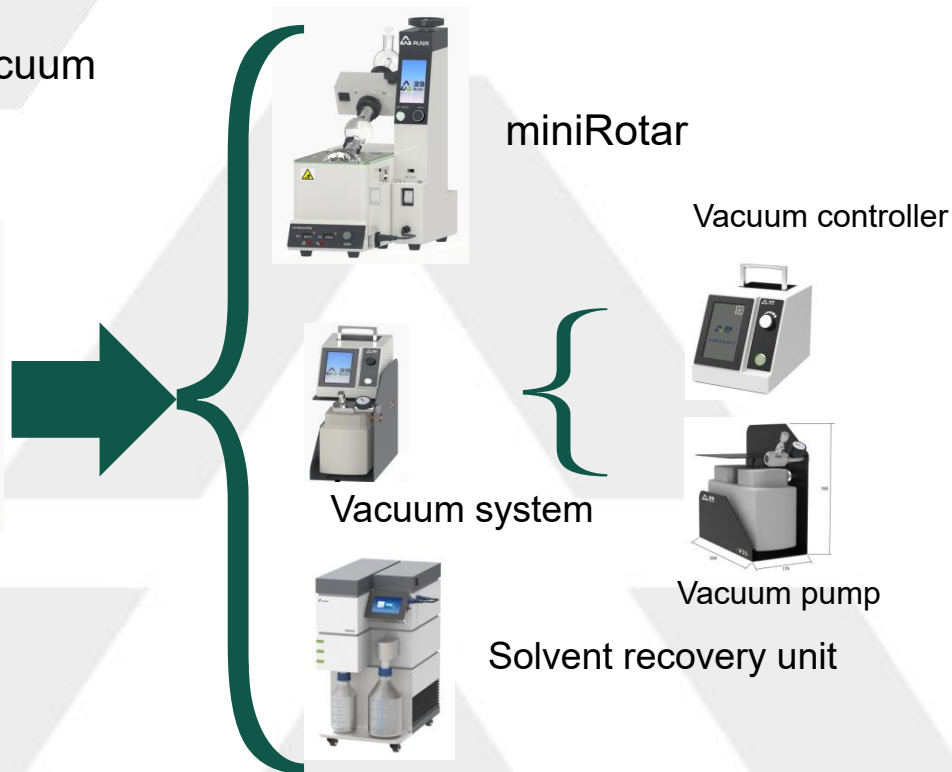


Multi-sample rotary evaporation solution

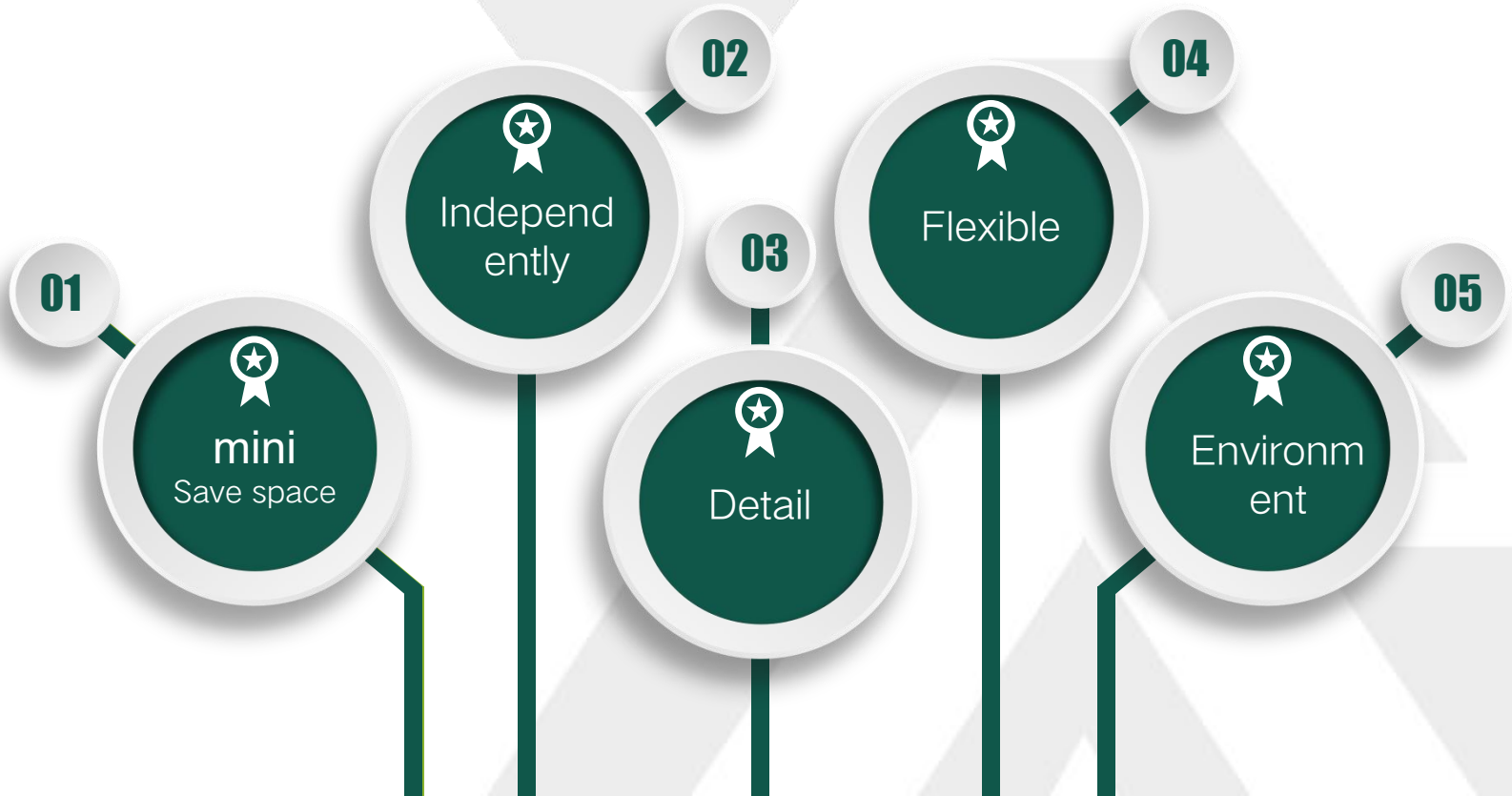
Up to **6 miniRotar** can sharing one vacuum system and cooling system.



Array Rotary Evaporator



Array Rotary Evaporator Features



- **Mini**
Extreme mini - Saves Space

miniRotar designs **vertical rotating axis** innovatively, reducing the product width to 25cm, which is one third of traditional rotary evaporator. **1.8m** standard fume **hood** can put **up to 5 miniRotars**, fully save the fume hood space.



miniRota width only **25cm**



Traditional Evaporator width between **70cm-100cm**

Functions & Feature

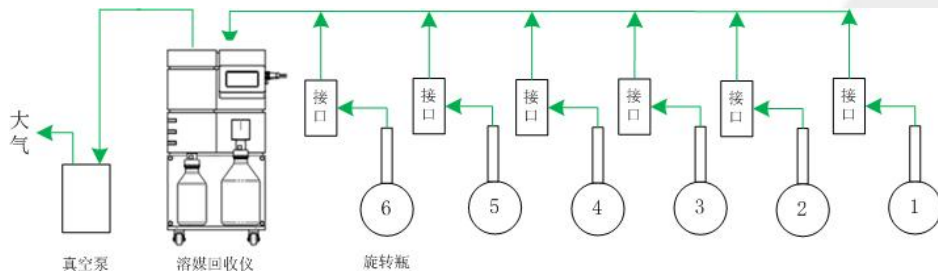


• Independently Array Combination - Improves Efficiency

- Each miniRotar can set its own temperature, rotation speed and time, and can independently lift and lower the flask.
- Equips an independent quick release vacuum button, which can release the vacuum independently without interfering other rotary evaporator units.

Rise and drop button

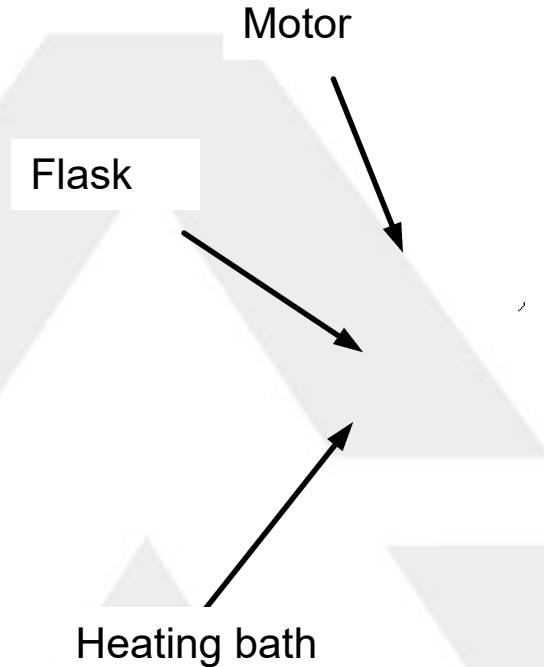
Release Vacuum button



Patent No.:
ZL20192 0045199

- **Independently
Timing of evaporation - Less Supervision**

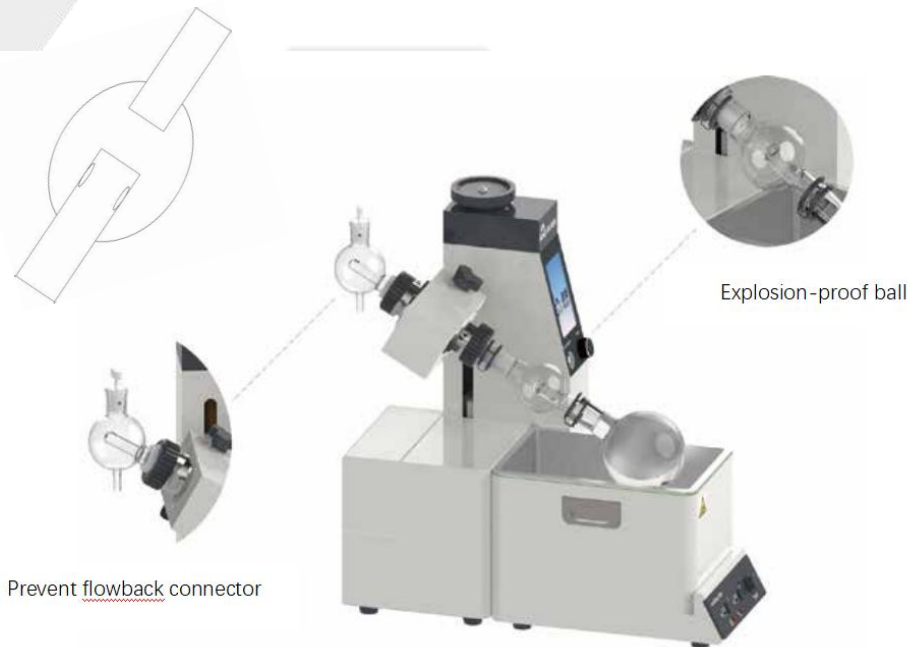
MiniRotar can setting it's working time according to users experience. Once time is up, miniRotar will automatically stop rotating and release vacuum, lift the flask to part from water bath, and automatically stop sample evaporation and concentration.



- **Detail**
**Double Protection -
Avoid Contamination**

MiniRotar is equipped with a backflow prevention connector, which can avoid contamination of samples and ensure the accuracy of analysis results.

Backflow preventer standard 24/29 connector easy for disassembling and cleaning.



- **Detail**

- **Flask with Tail——Easy to observe**

- miniRotar Optional flask with tail, with LED lamp easy to observe the residual volume of sample and accurately stop the evaporation.
- miniRotar standard 24/29 connector can also connect traditional other types flasks.

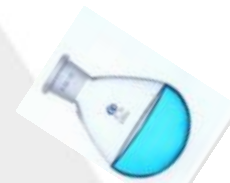


0.5ml、1ml刻度

Flask with Tail



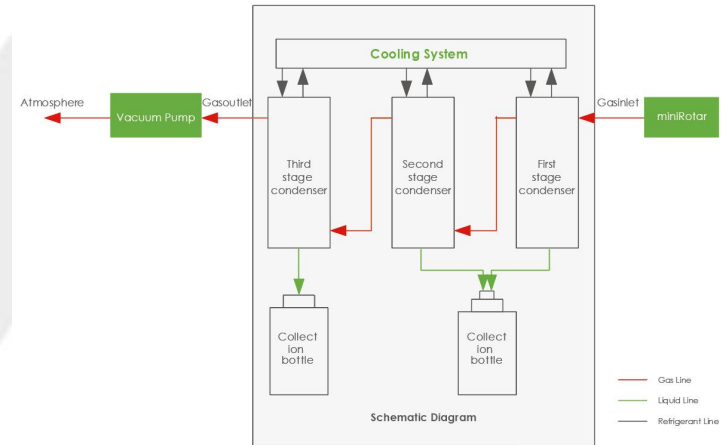
Pear shape flask



Eggplant shape flask

- Environmental friendly
Three or two stage Condense - Reduces Emissions

- eSR220 solvent collector equips two-stage direct cooling condensing liquefier inside, which realizes efficient condensation collection of steam (the recovery rate of methylene chloride vapor is better than 98%), reduces the emission of solvent vapor.
- Does **not need to filling any cooling circulating liquid, nor need to use a glass condenser**, which reduces the pipeline connection, and is simple to use.
- The internal pipeline of the solvent recovery instrument can **withstand high concentration of chloride ion erosion**.



Vacuum gradient control-Easy to use

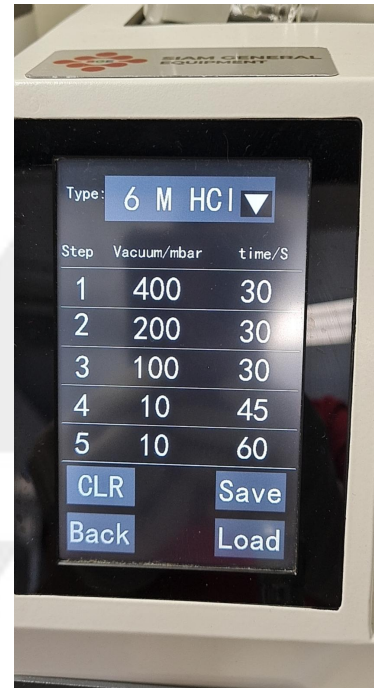
Vacuum pump, which can simultaneously work with 6 miniRotars, and the optimal vacuum can reach 15mbar.

1. Vacuum lock function

During the vacuuming process, the appropriate vacuum can be quickly locked to facilitate the evaporation of unknown boiling point solvents.

2. Support vacuum gradient control

The vacuum degree supports 5-stages.





or



Both the **Solvent Collector** and **chiller+glass condenser** can be used for the condensing and cooling of organic solvents coming from array rotary evaporator.

Flexible configuration



Solutions (1.8m hood as example)
1.8m out length with inside dimension
1.6m

1.8m hood solution A: Solvent collector+miniRotar

Name	Solvent collector	Vacuum and controller	miniRotar	Total width
Type	eSR220S		miniRotar	
Width	240mm	200mm	250mm	1440mm (1.44m)
Unit	1	1	4	
Place	Inside hood	Inside hood	Inside hood	

1.8m hood solution B: Solvent collector+miniRotar

Name	Solvent collector	Vacuum and controller	miniRotar	Total width
Type	eSR320S		miniRotar	
Width	340mm	200mm	250mm	1450mm (1.45m)
Unit	1	1	5	
Place	Outside hood	Inside hood	Inside hood	



1.8m hood solution C: Chiller+miniRotar

Name	Chiller	Vacuum + Controller + Glass tower	miniRotar	Total width
Type	T3		miniRotar	
Width	340mm	420mm	250mm	1420mm (1.42m)
Unit	1	1	4	
Place	Outside hood	Inside hood	Inside hood	





Application	Testing Method
Soil drug residue and organic detection	Soil and sediments. Determination of polycyclic aromatic hydrocarbons. HPLC
	Soil and sediments. Determination of organochlorine pesticides. GC
	Soil and sediment-Determination of semi-volatile organic compounds-GC
	Soil quality Determination of BHC and DDT Gas chromatography
	GC for determination of organophosphorus pesticides in water and soil
Pesticide residue test	Detection method of Sudan red dye in food HPLC
	Determination of multi-component residues of organochlorine pesticides in food
	Detection method of glyphosate residues in import and export food LC
	Detection method of BHC and DDT residues in exported tea
Food additives	National Food Safety Standard Determination of Lutein in Food
Veterinary drug residue test	Determination of polypeptide residues in animal-derived foods for import and export
	Detection method of tetracycline veterinary drug residues in food of animal origin
	Detection method of multi-residue hormones in foods of animal origin LC



TÜV AUSTRIA CERT GMBH
Certification Body



CERTIFICATE OF CONFORMITY

Certificate - No.: TA 385213617

Product:	Rotary Evaporator	Applicant:	Beijing Auwii Science&Technology Co., Ltd. No.4 Building 2-3, No.10 Court ZhengGeZhuang Village, BeiQilia Town, ChangPing District, Beijing, China 102209
		Manufacturer:	Beijing Auwii Smart Lab Science&Technology Co., Ltd. No.4 Building 2-2, No.10 Court ZhengGeZhuang Village, BeiQilia Town, ChangPing District, Beijing, China 102209

Type / Models /
Trademark: miniRotar500, miniRotar500s

Description /
Technical Specification: Details as described in the test report.

EU Directive: 2014/30/EU

2014/35/EU

Standard(s) / Product -
Certification Basis: EN 61010-1:2010/A1:2019
EN 61326-1:2013

Test Report: TCF-200198
Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.

This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an approved laboratory and the consequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the instruction manual, product or the production process of this product by TÜV AUSTRIA. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated certificate to remain valid. Furthermore the General Conditions for a Certificate of Conformity on a national or international Standard concerning a specified product are valid.



2021-01-19
Date of Issue


Ivan Huang, Certification representative

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CERTIFICATE OF CONFORMITY

Certificate - No.: TA 385213615

Product:	Solvent Collector	Applicant:	Beijing Auwii Science&Technology Co., Ltd. No.4 Building 2-3, No.10 Court ZhengGeZhuang Village, BeiQilia Town, ChangPing District, Beijing, China 102209
		Manufacturer:	Beijing Auwii Smart Lab Science&Technology Co., Ltd. No.4 Building 2-2, No.10 Court ZhengGeZhuang Village, BeiQilia Town, ChangPing District, Beijing, China 102209

Type / Models /
Trademark: eSR220, eSR220s, eSR320, eSR320s

Description /
Technical Specification: Details as described in the test report.

EU Directive: 2014/30/EU

2014/35/EU

Standard(s) / Product -
Certification Basis: EN 61010-1:2010/A1:2019
EN 61326-1:2013

Test Report: TCF-200198
Comments: N/A

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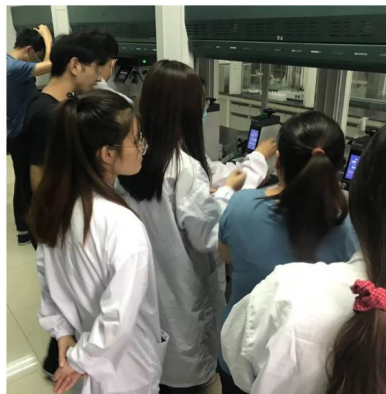
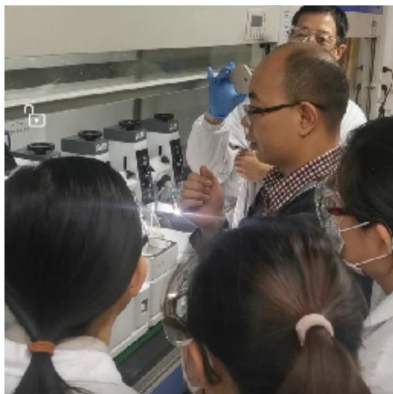
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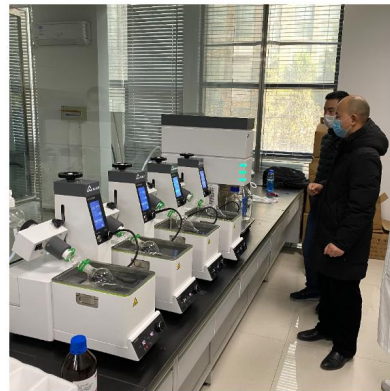
Operation video: <https://youtu.be/zZGD1nhFpr0>

Installation video: <https://youtu.be/pFYS0jdW1ew>

Applications



Applications





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ChangPing, Beijing, China 102209

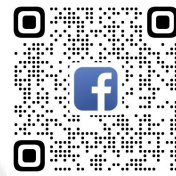
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