

# AH 40

## Automated Homogenizer



With the development of food safety and bio-medicine, automated homogenizers are more and more widely used in the sample pre-treatment of pesticide and veterinary drug residue detection to agricultural and livestock products, meat, eggs and milk. RayKol AH 40 is a versatile and high throughput automated homogenizer, it completely replaces manual process of adding solvent and homogenization. It can process up to 32 samples at one time, greatly improving the efficiency of sample pre-treatment.

## Automatic, High throughput, Low residue

- The entire homogenization process is fully automated, includes solvent adding and cutter cleaning, allows unattended operation.
- Large batch processing capacity, up to 32 samples in one batch.
- Various cleaning methods can be combined freely to minimize the possibility of cross contamination.

## Easy to operate

- Graphical software interface, easy for experienced and novice users.

## Safe and reliable

- Save space in fume hood, reduce air pollution by organic solvents.
- Fully transparent front door and built-in LED lights allow clear view to operation.
- Built-in safety alarm for any abnormal condition such as cutter miss-position, motor overheat and sample overload.

## Good compatibility

- Different kinds of sample tube racks available and flexible for various applications.
- Compatible with conventional centrifuge vials



Icebath sample rack for 50mL vials



Icebath sample rack for 10mL vials



Sample rack for 100mL vials



Sample rack for 200mL vials

## Software interface

- Graphical software interface, with pre-installed methods, easy for operation.

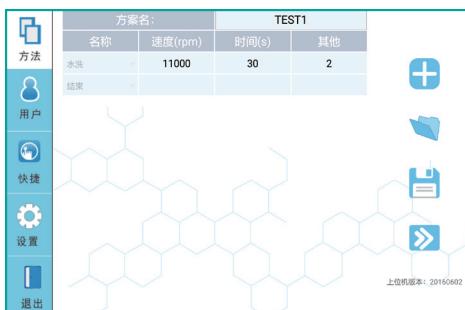


Fig 1. Interface for method editing

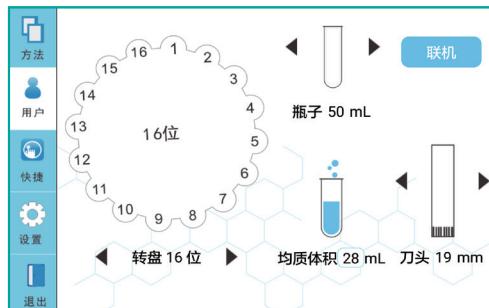


Fig 2. Interface for sample rack and vials

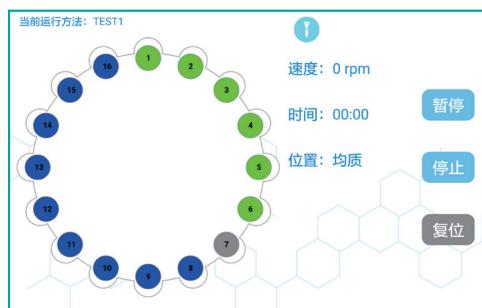


Fig 3. Interface for operating

## Wide ranges of application

As a versatile homogenizer, AH-40 Automated Homogenizer can handle a range of sample matrices, such as:

- Samples with high water content: vegetables like leeks, spinach, celery.
- Sample with high fat content: meat, sausage, fish
- Sample with high fibre content: feeds

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