



AUTOMATED HOMOGENIZER

Automated Homogenizer - ToronAH™ 40

Automated Homogenizer systems help labs standardize wet-sample prep for residue and contaminant testing. ToronAH™ 40 is a high-throughput automated homogenizer designed to replace manual solvent adding and homogenization steps while improving consistency and throughput.

The entire homogenization workflow runs automatically, including solvent adding and cutter cleaning, and it can process up to 32 samples per batch for faster, more repeatable sample preparation.

APPLICATIONS

Automated Homogenizer - ToronAH™ 40 Applications



- Food safety testing (pesticide & veterinary drug residues): Built for routine sample pre-treatment workflows used in pesticide and veterinary drug residue analysis across common food matrices.
- Agricultural & livestock products: Supports prep of complex matrices such as meat, eggs, and milk where consistent homogenization is essential before instrument analysis.
- High-water-content samples: Suitable for vegetables such as leeks, spinach, and celery that typically require robust wet homogenization.
- High-fat-content samples: Handles fatty matrices like meat, sausage, and fish where uniform blending impacts extraction repeatability.
- High-fiber samples: Supports feed testing workflows where dense, fibrous samples can be difficult to homogenize consistently.


Method


User


Shortcut


Settings


Exit

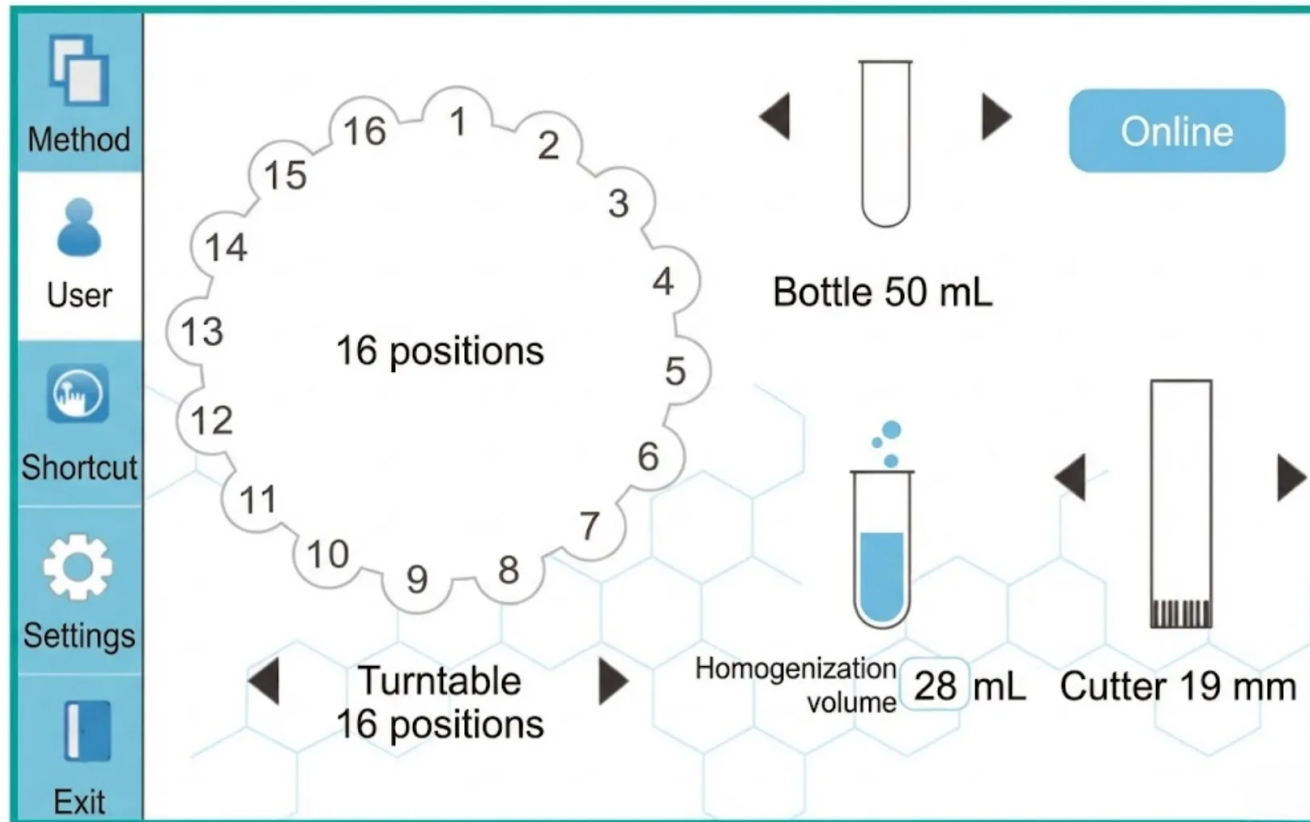
Scheme Name:		TEST1	
Name	Speed(rpm)	Time(s)	Other
Water Wash	11000	30	2
End			



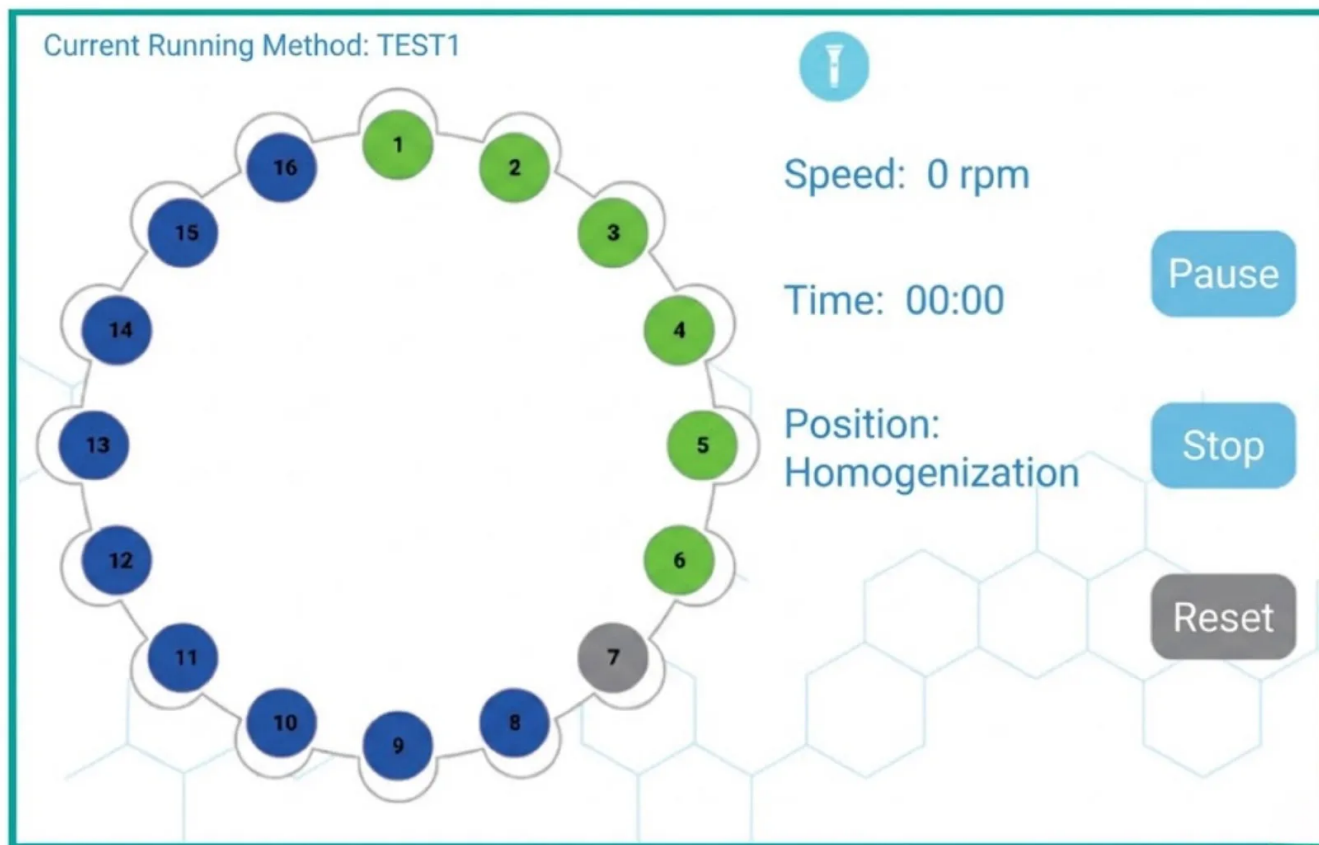


Upper Computer Version: 20160602

Interface for method editing



Interface for sample rack and vials

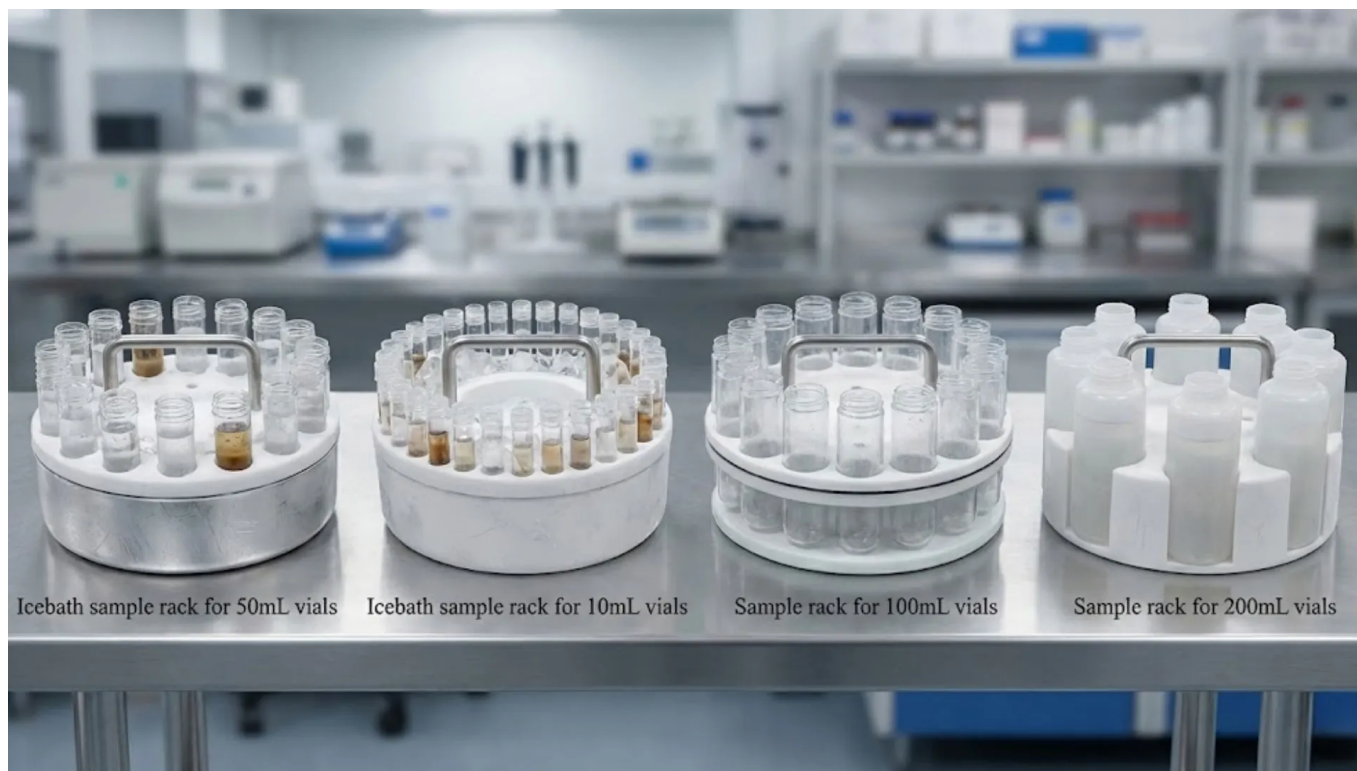


Interface for operating

FEATURES

Automated Homogenizer - ToronAH™ 40 Key Features

- Fully automated workflow: Automates solvent adding, homogenization, and cutter cleaning for unattended operation and reduced hands-on time.
- High throughput, batch processing: Processes up to 32 samples in one batch to improve sample-prep efficiency.
- Low residue, reduced cross-contamination risk: Flexible cleaning methods can be combined to help minimize cross-contamination between samples.
- Strong tube/vial compatibility: Multiple racks are available, and the system is compatible with conventional centrifuge vials for flexibility across methods.
- Safer, fume-hood-friendly design: Designed to save space in a fume hood and help reduce organic-solvent exposure to the lab environment.
- Clear visibility during operation: Transparent front door and built-in LED lights support easy observation of the process.
- Built-in safety monitoring: Safety alarm supports abnormal-condition alerts such as cutter mis-position, motor overheat, and sample overload.
- Easy software operation: Graphical software interface supports both experienced and first-time operators.



TECHNICAL SPECIFICATIONS

Automated Homogenizer - ToronAH™ 40 Technical Specifications

Parameter	Specification
Sample Tube Range	15 mL, 50 mL, 100 mL, 120 mL, 175 mL, 200 mL; aluminum alloy, plastic
Carousel Rack Range	8, 16, 32 positions
Oscillation Mode	Up-and-down vertical motion
Rinsing Mode	Water, organic solvents, ultrasound rinsing

Parameter	Specification
Software Interface	WiFi connection; 8-inch built-in screen or tablet remote control
Certificate	CE
Power Rating	600 W
Speed Control	3,000 to 25,000 rpm
Generator Probes	10 mm × 108 mm; 19 mm × 204 mm
Dimension	50 cm × 36 cm × 80 cm
Weight	38 kg



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