Automated High-Throughput Homogenization



Less Chopping. **More Time.**



Weighing. Diluting. Homogenizing. Transferring. For large projects and core labs, processing a large number of similar samples can be a labor-intensive, hand-numbing activity, spanning a matter of days or weeks. Manual processing runs the risk of fatigue, variability, and cross contamination. Harness the power and simplicity of automation and free up your staff for higher value activities like analysis and reporting. When you streamline initial sample prep and automation with the Omni Prep 96 or Omni LH 96, you'll reduce processing time and increase productivity, all while easing stress on your team.

Streamline

your single-

processing

Prep 96 and Omni LH 96

are specifically designed

labor- and time-intensive

homogenization process.

The features built into

the Prep 96 and LH 96

provide a professional

approach to simulta-

neously processing a

samples.

large number of similar

The innovative Omni

to streamline the

sample

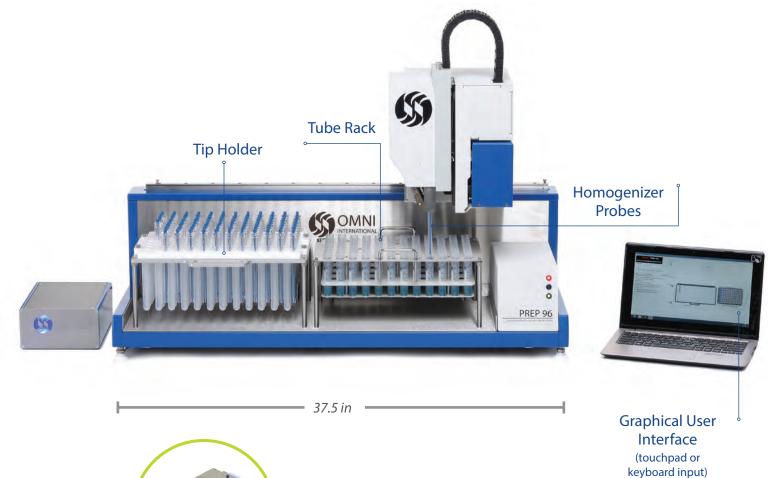
Applications

- Pharmaceutical research
- Biological research
- Cellular research
- Cancer research
- Medical research
- Food and plant analysis
- Plant and animal tissue processing
- Soft and hard tissue homogenization
- Drug discovery DMPK
- Q.C. tablet processing
- Protein extraction
- Enzyme Studies
- Nucleic acid isolation
- Emulsions and suspensions
- Nanotechnology
- Neuroscience

Omni has your sample prep solutions

Omni Prep 96: Automated Homogenizer Workstation

The Omni Prep 96 is a fully automated homogenizer workstation. The design eliminates bottlenecks and increases throughput, enabling true walk-away processing in your lab. The small footprint fits into most bio-safety cabinets and fume hoods. User-friendly programming makes saving, recalling, or changing existing protocols easy. Omni patented Whisper Drive Technology™ with brushless motors delivers maintenance-free, ultra-quiet, maximum processing power.





Our Focus: Homogenization

Omni International is "The Homogenizer Company." For more than 30 years, through our team of engineers and customer interactions, we've designed and built homogenizers to solve every sample prep problem imaginable. We make homogenization less painful and fit seamlessly into your workflow.



Ultrasonic Cleaning Bath for use with Stainless steel probes (Optional)



Omni LH 96: End-to-End Sample Prep Automation

The Omni LH 96 is a fully automated liquid handling and homogenizer workstation. Like the Omni Prep 96, the Omni LH 96 has a modular design, small footprint, and brushless motors for automated homogenizing, but also integrates multiple liquid handling steps, such as weighing, diluting, and pipetting into one endto-end system. Laborious manual processing that used to take hours or days can now be automated and completed effortlessly in a matter of minutes. Fully customizable, the Omni LH 96 can increase productivity, reduce errors, and improve results, completing large projects faster than otherwise possible.



The LH 96's modular design is completely customizable



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Ultrasonic Cleaning Bath (Optional on both the Omni Prep 96 and LH 96)

> **Graphical User** Interface (touchpad or keyboard input)

Cooling (Optional)





Omni Tip[™] plastic disposable generator probes

The Omni Tips' patented design eliminates the hassle of disassembly and maintenance of traditional stainless steel generators.

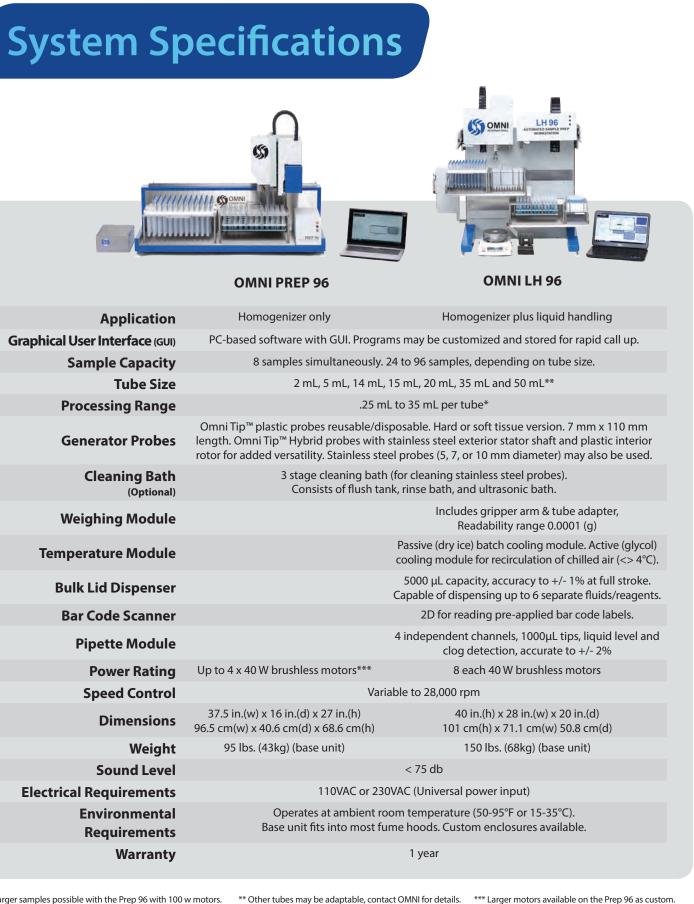
Proprietary **Omni Tip[™] Probes** are available in both soft tissue (deaggregation) and hard tissue (frozen) versions. Engineered from durable plastics, **Omni Tips™** are reusable (autoclavable) and are so economical they can be disposed of after each use to eliminate cross contamination.

The outer tube of **Omni Tips™** is made of Lexan 144R, a polycarbonate. The inner shafts are made of Ultem 1000, a polyetherimide. The Omni Tips' patented design eliminates the hassle of disassembly and maintenance of traditional stainless steel generators. Treatable volume - 250 µL to 30 mL.



Stainless steel probes

Omni's stainless steel probes are ideal for larger sample volume, larger initial sample tissue size, and tougher tissue types. Stainless steel probes are also resistant to most organic solvents commonly used during homogenization.



Application	Homogenizer on
Graphical User Interface (GUI)	PC-based software wit
Sample Capacity	8 samples sim
Tube Size	2 mL,
Processing Range	
Generator Probes	Omni Tip™ plastic probe length. Omni Tip™ Hybrid rotor for added versatility
Cleaning Bath (Optional)	3 stage o Consis
Weighing Module	
Temperature Module	
Bulk Lid Dispenser	
Bar Code Scanner	
Pipette Module	
Power Rating	Up to 4 x 40 W brushless
Speed Control	
Dimensions	37.5 in.(w) x 16 in.(d) x 96.5 cm(w) x 40.6 cm(d) x
Weight	95 lbs. (43kg) (base
Sound Level	
Electrical Requirements	1
Environmental Requirements	Operates Base unit fits
Warranty	

* Larger samples possible with the Prep 96 with 100 w motors.

Features

- > Economical: <1% of the cost of stainless steel probes
- > Eliminates Cross Contamination
- > Ideal for PCR, RNA, and DNA sample preparation
- > Maintenance Free

Hybrid probes

The Omni Tip[™] Hybrid Probes combine the convenience of disposable plastic probes with the durability of traditional stainless steel probes. Hybrid probes are made up of an outer stainless steel tube with an inner Ultem[™] plastic shaft. The plastic shafts can either be disposed of after use or cleaned and reused multiple times. The simple two-piece design makes these probes much easier to clean and disassemble than traditional stainless steel probes.





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