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The Homogenizer Company™

# Automated High-Throughput Homogenization



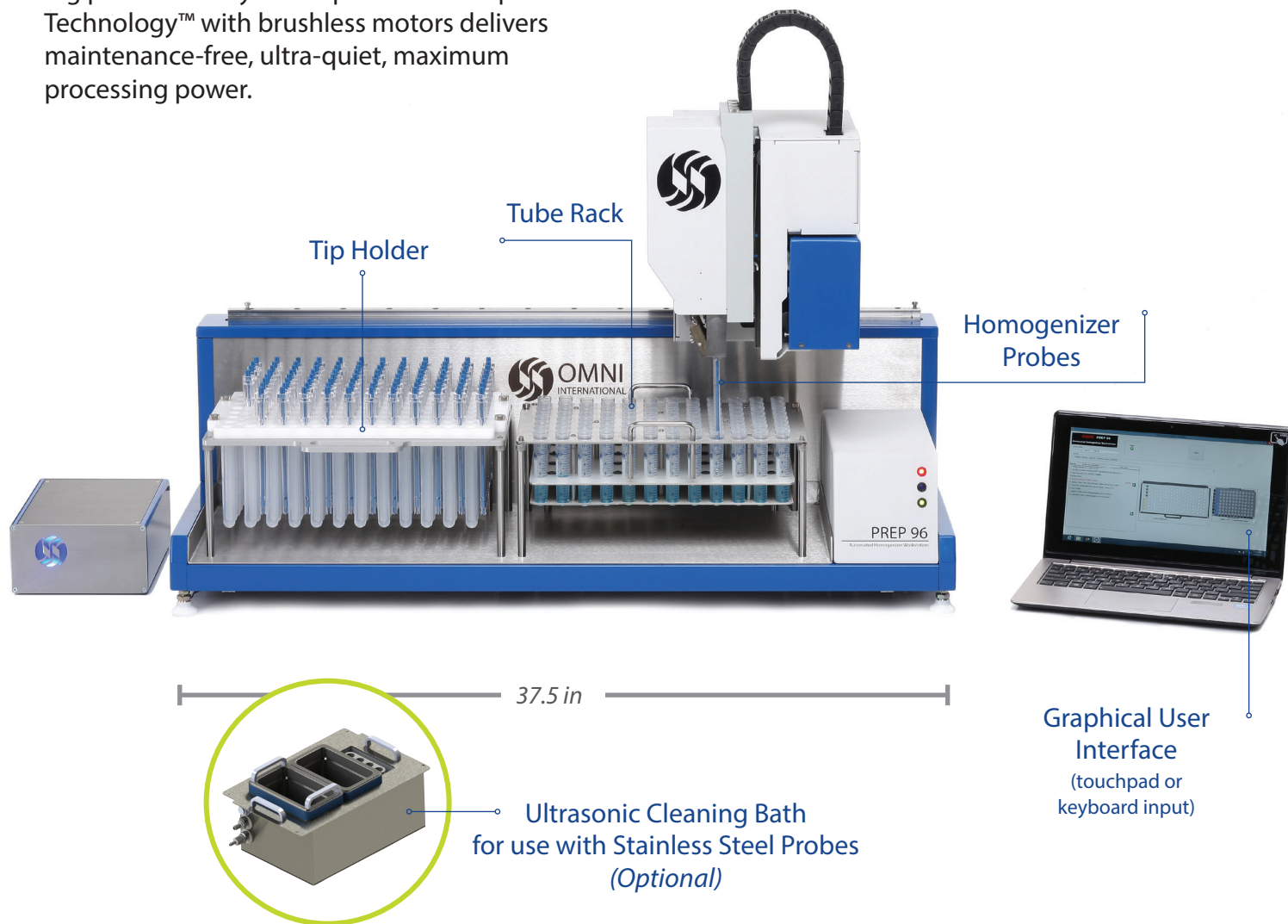
**Omni Prep 96**

Automated Sample Prep Homogenizer Workstation

# 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.




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## 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.



# Omni Tip™ plastic disposable generator probes

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

## Features

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

Proprietary **Omni Tip™ Probes** are available in both soft tissue (deaggregation) and hard tissue versions. Engineered from durable plastics, **Omni Tips™** are reusable (by chemical sterilization or autoclave) and are economical enough to 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.

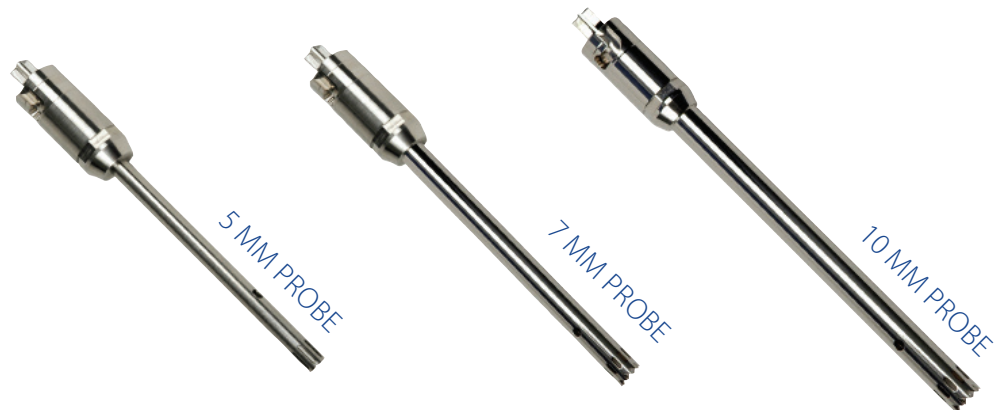


## Stainless steel probes

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

## 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.





# System Specifications

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PREP 96



<b>Graphical User Interface (GUI)</b>	PC-based software with GUI. Programs may be customized and stored for rapid call up.
<b>Sample Capacity</b>	8 samples simultaneously. 24 to 96 samples, depending on tube size.
<b>Tube Size</b>	2 mL, 5 mL, 14 mL, 15 mL, 20 mL, 35 mL and 50 mL**
<b>Processing Range</b>	.25 mL to 35 mL per tube*
<b>Generator Probes</b>	Omni Tip™ plastic probes reusable/disposable. Hard or soft tissue version. 7 mm x 110 mm length. Omni Tip™ Hybrid probes with stainless steel exterior stator shaft and plastic interior rotor for added versatility. Stainless steel probes (5, 7, or 10 mm diameter) may also be used.
<b>Cleaning Bath (Optional)</b>	3 stage cleaning bath (for cleaning stainless steel probes). Consists of flush tank, rinse bath, and ultrasonic bath.
<b>Power Rating</b>	Up to 4 x 40 W brushless motors***
<b>Speed Control</b>	Variable to 28,000 rpm
<b>Dimensions</b>	37.5 in.(w) x 16 in.(d) x 27 in.(h) 96.5 cm(w) x 40.6 cm(d) x 68.6 cm(h)
<b>Weight</b>	95 lbs. (43kg) (base unit)
<b>Sound Level</b>	< 75 db
<b>Electrical Requirements</b>	110VAC or 230VAC (Universal power input)
<b>Environmental Requirements</b>	Operates at ambient room temperature (50-95°F or 15-35°C). Base unit fits into most fume hoods. Custom enclosures available.
<b>Warranty</b>	1 year

\* Larger samples possible with the Prep 96 with 100 w motors. \*\* Other tubes may be adaptable, contact OMNI for details. \*\*\* Larger motors available on the Prep 96 as custom.



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