

Omni International, Inc.

Homogenizer Selection Guide

Product	Product Name	Key Feature	Wattage	Volume Range	Typical Particle Size Reduction	Compatibility	Application List (See Below)
	Omni Prep	Multi-Sample Processing	150watts	.25ml - 30ml	1 - 2 microns	Omni Tips	A
	TissueMaster-50	Economy Battery Operated	50watts	.25ml - 30ml	1 - 2 microns	7mm S.S. Probe Included	A
	TissueMaster-125	Economy Homogenizer	125watts	.25ml - 30ml	1 - 2 microns	7mm S.S. Probe Included	A
	Micro Homogenizer	Battery Operated	35watts	.03ml - 100ml	1 - 2 microns	Omni Tips & Rotor Stator Probes	A
	Tissue Homogenizer	Ideal for use with Omni Tips	125watts	.03ml - 2L	1 - 2 microns	Omni Tips & Rotor Stator Probes	A
	Omni Tip Kit	Complete Starter Kit	125watts	.03ml - 100ml	1 - 2 microns	Omni Tips & Rotor Stator Probes	A
	General Laboratory Homogenizer	High Power, Handheld Homogenizer	700watts	.03ml - 10L	1 - 2 microns	Omni Tips & Rotor Stator Probes	A
	Programmable Digital Homogenizer	Digital Speed Readout/ Programmable	700watts	.03ml - 2L	1 - 2 microns	Omni Tips & Rotor Stator Probes	A
	Omni Mixer	Compatible with Aerosol Sealed Chambers	600watts	.03ml - 10L	1 - 2 microns* or 10 - 15 microns**	Rotor Stator, Blade Assembly & Sealed Chambers	A
	Omni Macro	3-Year Product Warranty	1800watts	.03ml - 50L	1 - 2 microns* or 10 - 15 microns**	Rotor Stator, Blade Assembly & Sealed Chambers	A
	Omni Macro ES	High Power Programmable Homogenizer	1800watts	.03ml - 50L	1 - 2 microns* or 10 - 15 microns**	Rotor Stator, Blade Assembly & Sealed Chambers	A
	Omni Ruptor 250	Ideal for Microtube Processing	250watts	.25ml - 1L	.01 micron	All Omni Ruptor Accessories	B
	Omni Ruptor 400	High Power Ultrasonic Homogenizer	400watts	.25ml - 1L	.01 micron	All Omni Ruptor Accessories	B
	Omni Ruptor 4000	Integrated Sound Abatement Chamber	400watts	.25ml - 1L	.01 micron	All Omni Ruptor Accessories (Excluding OR-A-01)	B

Application List A:

- Soft and Hard Tissue Homogenization
- Cellular Research
- Biological Research
- Food and Plant Analysis
- DNA, RNA, PCR and Protein Extraction
- Enzyme Studies
- Cancer Research
- Pharmaceutical Research
- Animal Tissue
- Medical Research
- Neuroscience
- Emulsions and Suspensions
- Molecular Biology
- and many more...

Application List B:

- E. Coli and Yeast Cell Processing
- Soft Tissue Preparation
- Immiscible Liquids
- Accelerate Enzymatic Reactions
- Accelerate Chemical Reactions
- Stimulate Bacterial Activity
- Disperse Solids
- De-Gas Liquids
- Deagglomerate Powders
- Emulsify Liposomes
- Dissolve Tablets
- Cellular Disruption
- Cell Lysing
- Prepare Emulsions
- and many more...

* When homogenizing with a rotor stator generator probe

** When homogenizing with a blade assembly



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