

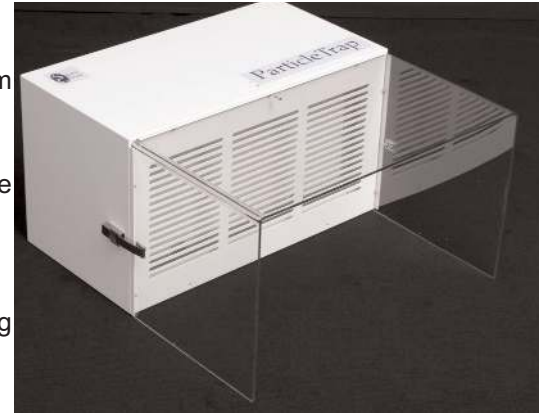
Contamination Control

Particle Trap

Capture Particles / Fumes right at the Source!!

Clean Medical Assemblies • Clean Optics • Clean Electronic Assemblies • Clean Molded Parts

The Particle Trap 6000 (PT6000) and the Particle Trap Mini (PTM) are source capture systems that solve a major problem when blowing off particles in controlled or clean room environments. With the PT6000 or PTM, you can clean your medical device, optics, packaging materials with confidence while maintaining the integrity of your clean room.



The Particle Trap utilizes a filtration system that includes a Pre-Filter and HEPA Filter combination to trap particulates using negative pressure, permanently removing the contaminants from your environment or clean room. Clean, HEPA filtered air is returned back into the clean room or laboratory, eliminating the need for external ductwork and/or the loss of conditioned air in the facility.

When cleaning various substrates, especially plastic parts and packaging trays, compressed air ionizers such as guns, nozzles and airknives are commonly used to neutralize surface static charges and blow-off contaminants. While this accepted practice is extremely effective at eliminating electrostatic charges and particles, the question remains...

Where do the particles go?

The problem with conventional "wisdom" is that particles remain in your environment or process, remaining airborne, falling to the floor, onto a workstation or personnel, ultimately finding their way back onto your products or sealed packages. PT6000 or PTM can help increase your yield by reducing costly rejects, tear-downs or rework. By simply blowing-off contaminants from your product or package inside the Particle Trap units, you ensure particulate is trapped inside the systems, where heavier particles fall to the work surface or carry forward into the pre-filter, and finer particles are filtered out by the HEPA filter. The quick change filters make the PT6000 and PTM the ideal system to enhance the process and increase yields that translate into higher profits

Features:

- Low-profile, completely portable and affordable, no ductwork required
- Compact size, easily positioned on countertops when bench space is at a premium
- Clear viewing through a poly-carbonate hood for optimal visual inspection
- Side clasps allow for easy replacement of the Pre-Filter and HEPA filter
- Illuminating rocker switch visually verifies the system is powered on for customer convenience
- Solid state controller to change fan speed from low to high depending on the application
- Pre-Filter efficiency superior to 95.5% down to 0.5 micron
- HEPA filter designed to capture particles as small as 0.3 microns
- Optional bracket hardware available for wall-mount applications
- Optional floor stands available at the workstation when bench space is limited



Static Clean International • 15 Adams St., Burlington, MA 01803
Tel: 781-229-7799 Fax: 781-229-4555 • www.staticclean.com

Fume Extraction:

Change the standard filter to SCI carbon filter that meets MERV 11(per ASHRAE Standard 52.2-2007). The HEGA 651 carbon grade used in this media effectively captures a wider range of odors and chemical air pollutants compared to the basic activated carbon.

Chemicals removed by the SCI carbon filter:

Acetone, Adhesives, Alcohol Vapors, Building Materials, Odors, Chlorine, Cleaning Compounds, Film Processing, Gasoline Fumes, Kerosene, MEK, Ozone, Paint Fumes, Solvents, VOC's

Options and Accessories:

If you wish to convert the PT6000 or PTM to an Ionized Air Cleaning System, simply mount one of our Ionizing Air Knives to the front of the units above the entrance or use an Ionizing Gun or Nozzle to perform the cleaning action in front of the opening that require clean parts.

Blow-off Devices Available:

- 1) **AGZIII Ionizing Gun** - Optimize cleaning of your parts with our ionizing gun, eliminating electro-static attraction that can prevent efficient cleaning of parts that may lead to recontamination
- 2) **ZappPLUS Ionizing Nozzle** - Similar to the AGZIII gun, this hands-free blow-off nozzle gives the operator the versatility and flexibility to mount and position the nozzle at a desired spot for high-impact cleaning; Available in 2 options:
 - 2A) Sensor Option - Break the sensor beam at the nozzle body to activate the compressed air.
 - 2B) Foot Switch Option - Control the compressed air via a foot switch to have total control of parts with your hands for optimal cleaning

ZappPLUS



AGZIII



<u>PT6000 / PTM Specifications</u>						
Model:	PT6000			PTM		
Dimensions:	Width	Height	Depth	Width	Height	Depth
	21"	12"	19.75"	11"	11"	18.50"
Weight:	36 lbs			21.5 lbs		
Hepa Filter Weight:	3.9 lbs			3.2 lbs		
Pre-Filter Weight:	0.3 lbs			0.2 lbs		
Airflow:	192 cfm			93 cfm		
Face Velocity:	110 fpm			110 fpm		
Sound:	62 dba			62 dba		
Constuction:	Steel Cabinet, epoxy paint, lexan hood					
Voltage:	120v, 60Hz, single phase					



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