

Static Clean®

Particle Trap® 6000 & Particle Trap® Mini

Particle Trap® 6000 (PT 6000) and Particle Trap® Mini (PT Mini) are innovative particulate source-capture systems that solve a major problem when blowing off particles in controlled or cleanroom environments.

With the Particle Trap®, contaminants are permanently removed from the environment and process, ensuring foreign matter (FM) is eliminated when cleaning your medical devices, optics, sensitive electronics, and packaging materials.

Clean, HEPA-filtered air is returned back into the cleanroom or laboratory to ensure that the integrity of the room is maintained.

The Problem with Conventional Blow-Off

Standard air guns and nozzles simply redistribute particles within your environment. Dislodged contaminants remain airborne, settle on workstations and personnel, and ultimately find their way back onto your products and sealed packages. The Particle Trap® eliminates this cycle by capturing particles at the source.

How It Works

1. **Place your part, package, or assembly inside the open hood of the Particle Trap®.**
2. **Use an JetAURA Ionizing Blow-Off Gun to neutralize static charge and dislodge surface particles.**
3. **Negative pressure draws dislodged particles through the Medical Grade MERV-11 Prefilter, which captures heavier debris.**
4. **Fine particles are captured by the HEPA filter (99.97% efficiency at ≥ 0.3 microns) before clean air is returned to the room.**

workflows and cleanroom environments.

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Features & Benefits

Source-Capture Filtration System

- Permanently removes contaminants using negative pressure — particles never re-enter your environment
  - HEPA filter captures 99.97% of particles ≥ 0.3 microns
  - Medical Grade MERV-11 Prefilter captures heavier debris
  - Clean, HEPA-filtered exhaust returned directly to cleanroom — no ductwork required
  - Quick, tool-free prefilter change-out
  - Optional carbon filter available

Design & Usability

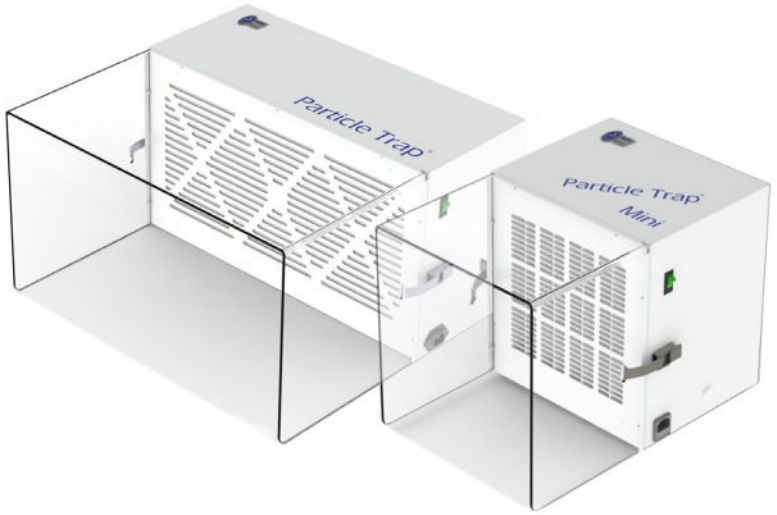
- Compact footprint maximizes bench space
- Clear polycarbonate hood for full visual inspection
- Adjustable fan speed for optimized performance
- PT 6000 handles larger parts, assemblies, and packaging trays
- PT Mini sized for small to mid-size parts and assemblies
- Optional floor stand available
- Custom hoods available
- Ideal for use with AGZIII Ionizing Blow-Off Gun or ZappAURA Ionizing Nozzles (sold separately)

Quality & Compliance Impact

- Significantly reduces costly rejects and rework
- Directly addresses foreign matter (FM) findings in regulated manufacturing environments
- Supports FDA quality system and ISO 13485 contamination control requirements
- CE certified: LVD 2014/35/EU and EMCD 2014/30/EU

Applications

- Medical Device Manufacturing & Packaging
- Pharmaceutical Production & Packaging
- Optics Processing, Assembly & Packaging
- Electronics Assembly & Sensitive Components
- Injection Molded Parts — De-gating & Mold Flash
- Thermoformed Trays, Pouches & Tyvek Lids



Particle Trap® 6000 & Particle Trap® Mini

Specifications

	Particle Trap® 6000	Particle Trap® Mini
Width	21.2" / 538mm (w/o latches)	11.2" / 284mm (w/o latches)
Height	12.0" / 305mm	12.0" / 305mm
Total Depth	19.6" / 498mm	18.2" / 462mm
Cabinet Depth	8.5" / 216mm	9.2" / 229mm
Hood Depth	11.0" / 279mm	9.0" / 229mm
Weight	36 lbs. / 16.3 kg	21.5 lbs. / 9.8 kg
Max. Current	0.88 Ampere	0.88 Ampere
Nominal Current	0.60 Ampere	0.60 Ampere
Power (Standard)	115 VAC 50/60Hz	115 VAC 50/60Hz
Power (International)	230 VAC 50/60Hz	230 VAC 50/60Hz
Noise Level	67 dBA @ 3' Front	62 dBA @ 3' Front
Air Velocity (Hood)	115 feet per minute	115 feet per minute
Volume Flow	200 cfm / 5.7m³	96 cfm / 2.7m³
Cabinet	Welded steel	Welded steel
Paint	Epoxy powder-coat, thermally processed	Epoxy powder-coat, thermally processed
Fan	Plastic PA6, fiberglass reinforced; thermal overload protector	Plastic PA6, fiberglass reinforced; thermal overload protector
Certifications (CE)	LVD 2014/35/EU | EMCD 2014/30/EU	LVD 2014/35/EU | EMCD 2014/30/EU

Ordering Information

Description	PT 6000 Part No.	PT Mini Part No.
Unit, 115VAC, w/power cord, w/o hood	PT6000	—
Unit, 115VAC, w/power cord & hood	PT6000-115	PTM
Unit, 230VAC, w/o power cord, w/o hood	PT6000-230	PTM-230
Standard Polycarbonate Hood	620-0007	620-0025
HEPA Filter	680-0001	680-0005
Medical Grade Prefilter	680-0006CASE (6/case)	680-0007CASE (12/case)
Tacky Mat for Inside Hood	TM11x20.5	TM09x10.5
Power Cord, right angle, 115VAC	378-0004	378-0004

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