



**ABESTORM**  
Dust Collector

# DecDust 500IG

## Air Filtration System

up to 500 sq.ft purification area



### Proven Performance

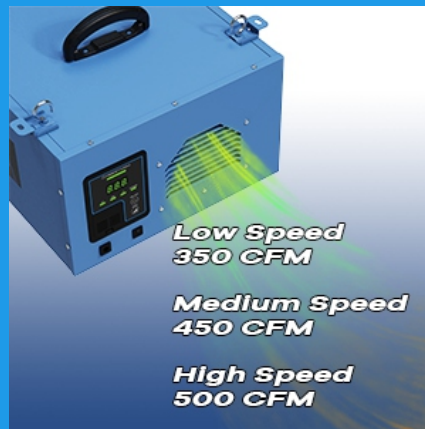
The DecDust 500IG is ideal for cleaning polluted air due to its five-micron pre-filter and one-micron medium-effect filter, which complement the function of air filtration systems as dust collectors and workshop vacuum cleaners. For airborne dust and wood pellets, the 1/8 motor-driven airflow agitates contaminants that adhere to machines and tools and collect airborne dust. These dirty particles are then filtered by the device with clean and odorless air.

DecDust 500IG Air filtration System compared to DecDust 500, its unique double ionization technology produces equal amounts of positive and negative ions. Particles in the air are charged by ions, which cause the particles to aggregate and be captured by the filter. And the trace amounts of ozone produced during operation can neutralize harmful pollutants and odors. Even in a 500 sq. ft. carpenter's shop/DIY house, the device also works great.

Additionally, the DecDust 500IG can generate an airflow of 500 CFM at its peak, which can absorb almost all harmful air particles. This highly concentrated airflow is an essential air-cleaning device for wood carving, sanding, turning, scroll sawing, and dust mixing.



Remote Control



3 Speeds Options

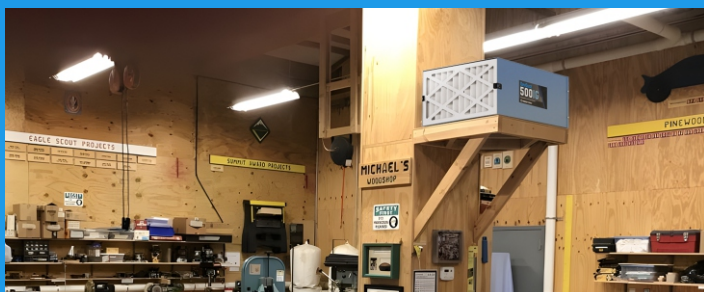


Inner & Outer Filter

### Features

- cETL Certified ✓
- 1/8 Low Noise Motor ✓
- Power-On Indicator Light ✓
- PM 2.5 Environmental Warning Lamp ✓
- 3-Stage Air Filtration System ✓
- Continuous Model ✓
- RF Remote Control ✓
- Three-Speed Control Option ✓
- PM 2.5 Setting Mode ✓
- Built-In Ion Generator ✓

- 26 ft. Range RF Remote ✓
- 6.5 ft. AC Cord with Cord Management ✓
- Not Affected by Temperature ✓
- Automatic Hour Meter Displays Run Time ✓
- Built-In Timer Shuts Down the Device ✓
- Easy Handling ✓
- Smallest Size ✓
- Working Timer ✓
- Two Fixed Installation Structures ✓
- Sheet Metal Spray Shell With Strong Corrosion ✓



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## Key Design Features

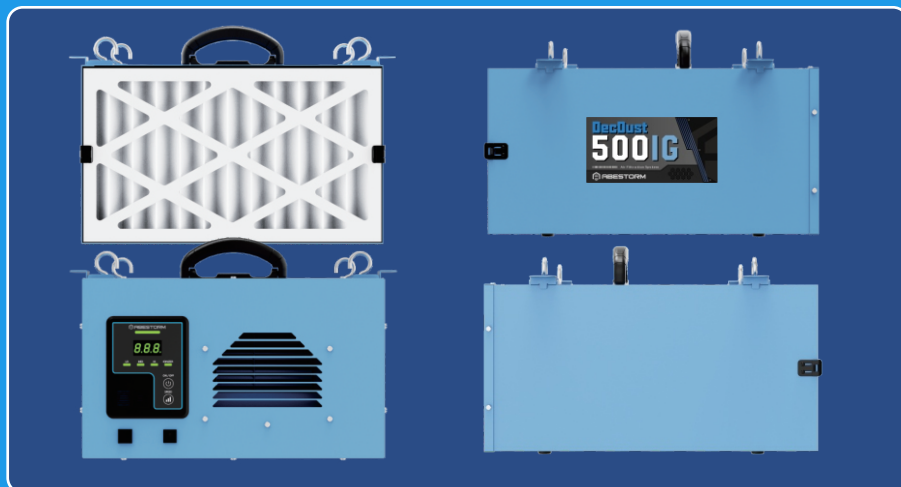
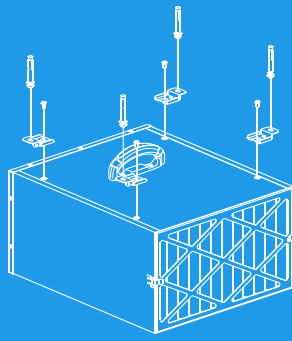
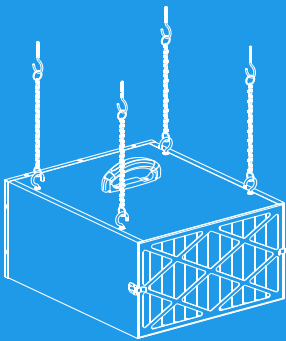
- Greater air circulation speed than the competition, with three speed options: 350CFM, 450CFM, and 500CFM
- Protects the respiratory system, reduces harmful chemicals caused by retained dust and artificial wood chips, and prevents carcinogenic complications.
- Long-lasting 1/8 powerful motor, with a maintenance-free bearing motor.
- Limited noise and quiet operation.
- Operator panel with a built-in PM 2.5 sensor, color-coded display of air quality, and an RF remote control, regardless of obstructions, up to 26 ft.
- Lightweight and compact linear sheet metal spray-molded housing that is wipeable and chemical resistant, with cleverly designed buckle handles on both sides.
- Dual-ion technology charges air particles with extra electrons, dispersing negative ions for deep cleaning. It also minimizes dust, dander, pollen and other allergens and pollutants.

## Control Panel



## Two Simple Mounting Approaches

- Method 1: Four eyebolts are suspended from the ceiling.
- Method 2: Screw the machine to the wall with four M4 screws.



## Application

The DecDust 500IG is designed to improve air quality in medium to large woodworking or metalworking workshops (i.e. saws, sanders, planers). It is specially strengthened in motor and air volume, which can absorb pollutants from machines, pads, tools, walls and windowsills more efficiently.

### Guard Your Health:

Air filtration systems designed for woodworking workshops can purify the air by capturing particles as small as 0.001 mm. Dust collectors cannot capture particles of this size. Thus, without using an air filter, you risk exposing yourself to life-threatening wood chips that are too minuscule to be caught by other purification systems. However, not only does the DecDust 1100IG improve air quality, but also it improves your moods by making the air fresher!

### Extract:

The DecDust 500 IG's unique double ionization technology makes particles in the air charged by ions, causing them to aggregate and be captured by the filter. At the same time, active oxygen is generated to remove odors, volatile organic compounds (VOC) from tobacco, food, pets, paints, mold and mildew, and even carcinogenic formaldehyde emitted from furniture, laminate floors, and wooden cabinets.

| APPLICATION          | DecDust 500 IG |
|----------------------|----------------|
| Woodshop             | ✓              |
| Metal Workshop       | ✓              |
| DIY Room             | ✓              |
| Salon                | ✓              |
| Portable Job Site    | ✓              |
| Basement Pottery     | ✓              |
| Studio               | ✓              |
| Hay Chopping Station | ✓              |

## Specifications

|                        |                   |
|------------------------|-------------------|
| Power                  | 115 V / 60 Hz     |
| Current                | 1.0 A             |
| Size For               | Up to 500 sq.ft.  |
| Outer Filter           | 5 microns         |
| Inner Filter           | 1 micron          |
| Airflow                | 350, 450, 500 CFM |
| Sound Pressure Level   | < 61 dBA          |
| Feet                   | Rubber feet       |
| Cord                   | 5.0 ft            |
| Weight                 | 25.5 lbs          |
| Dimensions (W × H × D) | 20.1 × 17 × 11 in |
| Loading Quantity       | 20 " :308 Sets    |
|                        | 40 " :644 Sets    |
|                        | 40 " HQ:736 Sets  |

## Replacement Parts

- Switch
- Grill exhaust
- Blades & motors
- Pre-filter
- Medium efficiency filter
- RF remote control