Do you think the common air purifiers are perfect?

By applying photocatalytic filter and integrated clean care filter, the air from the clean care filter pass through the photo catalytic filter once again to create much cleaner air, and it will free you from dust and pollution.
**What is the photocatalyst?**

If the UV LED light is illuminated to a stainless steel plate coated with titanium dioxide, it will sterilize and decompose heavy metals, various bacteria and viruses contained in volatile organic compounds and fine dust, which are pollutants in the air and the environment. Furthermore, it is also effective to prevent contamination by decomposing odorous substances, dioxins, nitrogen oxides, and sulfur oxides, etc.

**The advantage of ADAMO**

1. Apply HEPA filter to filter ultrafine dust (0.3 μm)
2. Artificial Intelligence Air Sterilization System
3. Having excellent effects on the new house syndrome and the ability to remove allergy-causing substances
4. Sterilization of pathogenic microorganisms (including pneumonia and tuberculosis bacteria) and staphylococcus, etc.
5. Removal of bacteria, viruses and mold spores
6. Removal of volatile organic compounds (benzene, formaldehyde, toluene, xylene, ethylene, styrene and acetaldehyde, etc.)
7. Excellent in removing all odors including cigarette, sweat, and food
8. Low-cost electricity bill of 1,500 won per month when used 24 hours a day

1. Illuminate light to the Titanium dioxide
2. It creates the e⁻ (Electron) and h⁺ (Hole)
3. The O₂ and H₂O in the air react to the e⁻ and h⁺ sequentially
4. O₂⁻ and OH⁻ are created on the surface of titanium dioxide
“Due to the self-purifying function of photocatalyst system, it is a semi-permanent, economical and environmentally friendly catalyst.”

The characteristics of ADAMO

- **An outstanding design**: It has luxurious and practical design
- **Noise reduction**: Reduced noise by applying both side cross fan (28/30/40dB)
- **Both side revolution functions**: The air is wide and quickly released into the room
- **Photocatalytic**: The first plate type photocatalytic in the country
- **Self-diagnosis function**: It diagnose the gas, dust, revolution and lock function when the powered on
- **Lock system**: Used to lock the power and turn buttons on the control panel

A news report on photocatalytic

The first application of new purifying fine dust technology for road pavement in Seoul

*Applying photo catalytic with a pollutant purification function like Nitrogen oxide*

For the first time in Korea, the Seoul Metropolitan Government will introduce a new technology for road pavement using photocatalyst, which has a function to purify nitrogen oxides, which causes fine dust. It is expected that it will reduce fine dust on roads by resolving nitrogen oxides, the main component of automobile exhaust gases, by spraying photo catalyst on the pavement. Photocatalytic is a catalyst that has a purification function such as decomposing and sucking pollutants like nitrogen oxides by receiving light. Although it is being used in various fields such as air purification, antibacterial bacteria, and deodorization, it is the first attempt to apply it on road pavement in the Korea.
# Photocatalytic air purifier

**SPECIFICATION**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Brand</strong></td>
<td>ADAMO</td>
</tr>
<tr>
<td><strong>Product Name</strong></td>
<td>Photocatalytic air purifier</td>
</tr>
<tr>
<td><strong>Model name</strong></td>
<td>ACS-12G / ACS-12S / ACS-12SB</td>
</tr>
<tr>
<td><strong>Color Option</strong></td>
<td>Gold / Silver / Silver Blue</td>
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<tr>
<td><strong>Rated voltage</strong></td>
<td>220V / 60Hz</td>
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<tr>
<td><strong>Power consumption</strong></td>
<td>19W</td>
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<tr>
<td><strong>Noise</strong></td>
<td>40/30/28 dB</td>
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<tr>
<td><strong>Weight</strong></td>
<td>3 Kg</td>
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<tr>
<td><strong>Product size</strong></td>
<td>670 × 165 × 200 mm</td>
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<tr>
<td><strong>Application area</strong></td>
<td>39.6~49.5 m²</td>
</tr>
<tr>
<td><strong>Where to Use</strong></td>
<td>living room, study room, office, bedroom, dining room, hospital, nursing home, postnatal care center, experimental laboratory, research laboratory, nail shop, smelly workplace, library, etc.</td>
</tr>
</tbody>
</table>

Customer counseling and services

**+82-62-610-5380**

[www.iaceone.com](http://www.iaceone.com)