COOLBIT

變形金剛

IAC-7014

Industrial Air Cleaner

Metal filter material(Suitable for oily environment)

The principle of cyclone filtration(Suitable for particle dust)

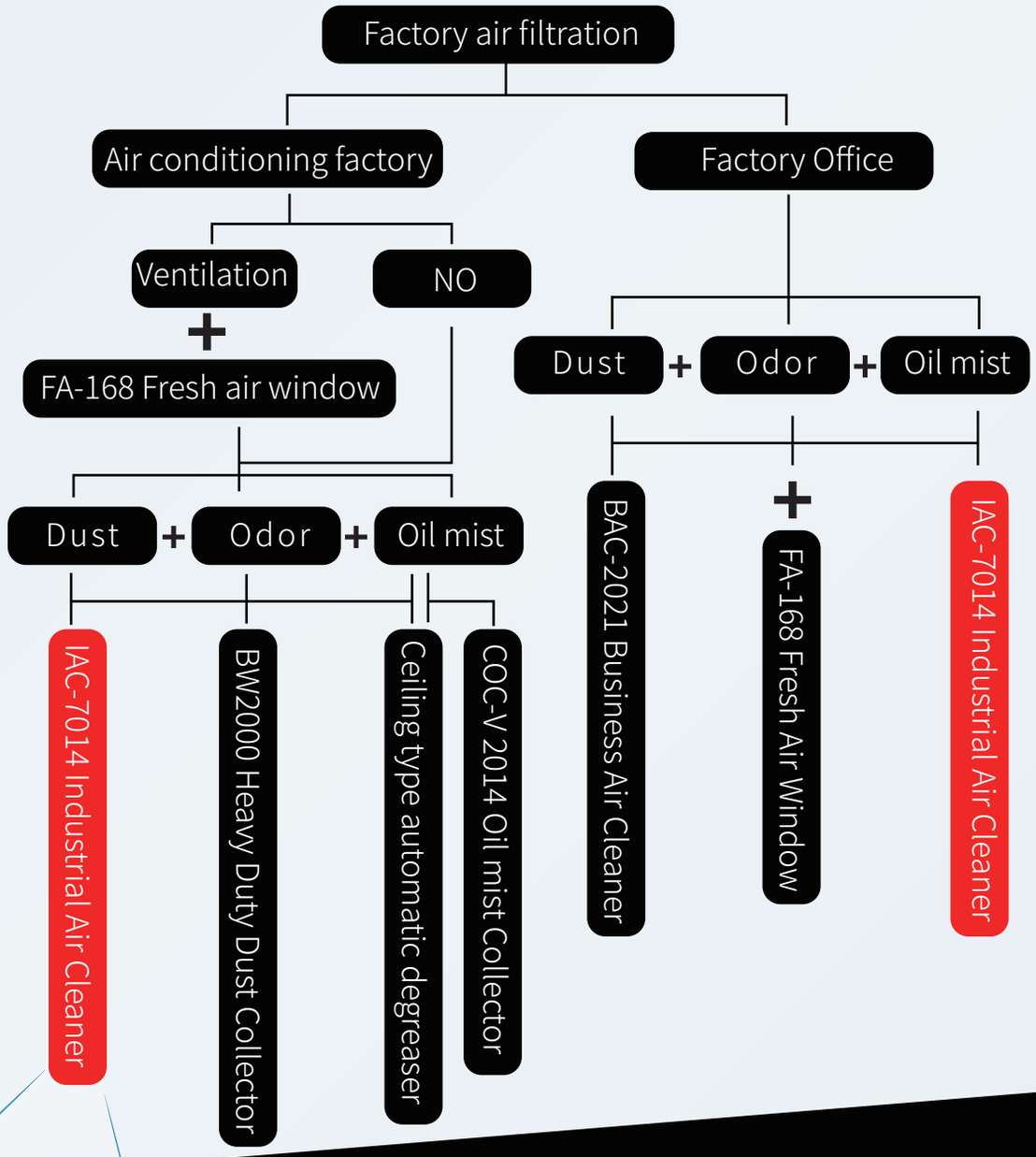
Exclusive patented NF metal foam filter
(oil mist in the air, oil fume filtration of automobiles and locomotives)

Suitable for 200-265 m^2

Purification rate : 3 /hr

Project Purification

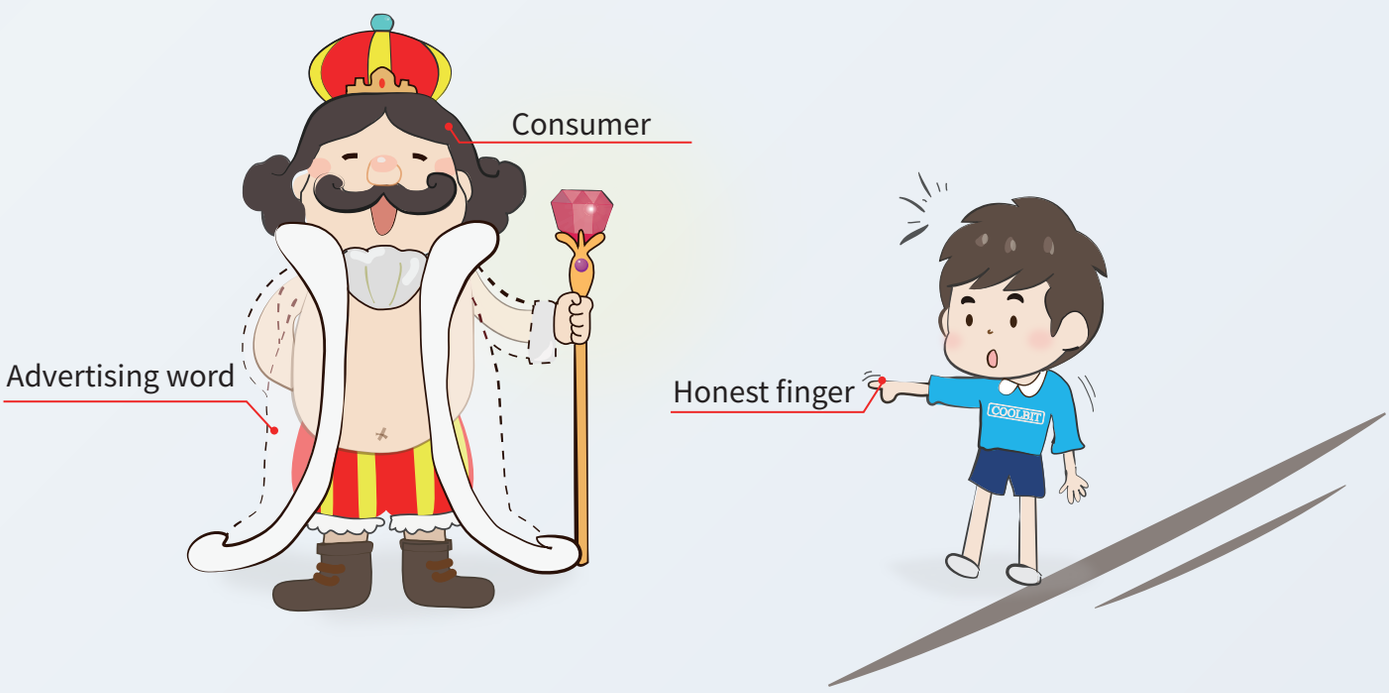
Logical Thinking



- ▼ Avoid dust storm thinking
- ▶ Metal processing dust, easy to cause leakage fire.

Wide-area space circulation diagram

Large space circulation	Circulating air up to 2.5m	The air circulation can be extended up to 2.8m	Moderate space specification Purification times: 3 times/hr



Selection guide

1. Applicable square meters VS Cycles

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2. High Efficiency Purification Quality VS CADR

反比 魚與熊掌，不可兼得

Replacement Frequency

3. Consider human health, please refer to the mask replacement frequency.
4. Use to purify pet air pollution. Standards can be relaxed.
5. Use for dust removal(non-health considerations): half a year, or whatever.

Exclusive advantage

Block the flame.
Avoid pipe fires.

Industrial Air Cleaner Prerequisites:
Meets flame penetration standards

3D metal filter: Unique porous body structure.

High heat transfer efficiency(0.28 K cal/m.h.C).

Keeps the flame out of the filter.

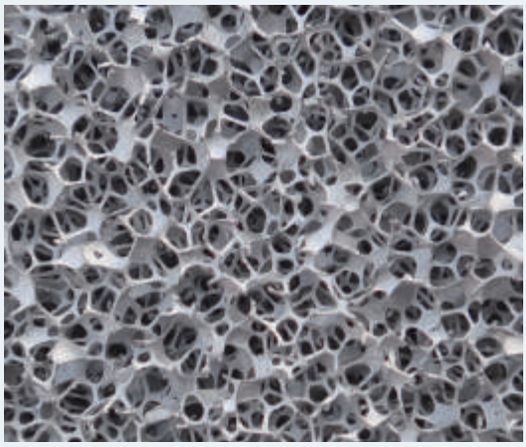
Don't worry about the flame sticking to the grease in the pipe.

Filter Material Considerations

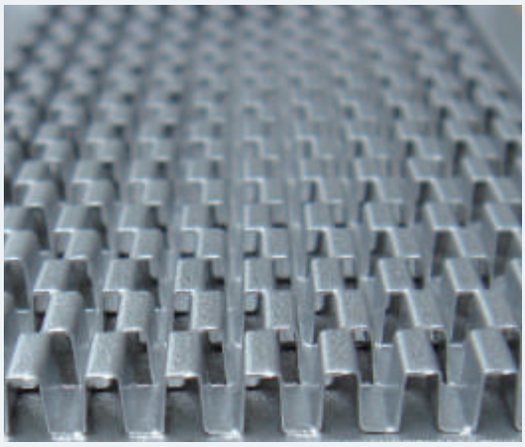
Do not blindly pursue "purification effect"

A. Because that would lead to a significant reduction in CADR value.

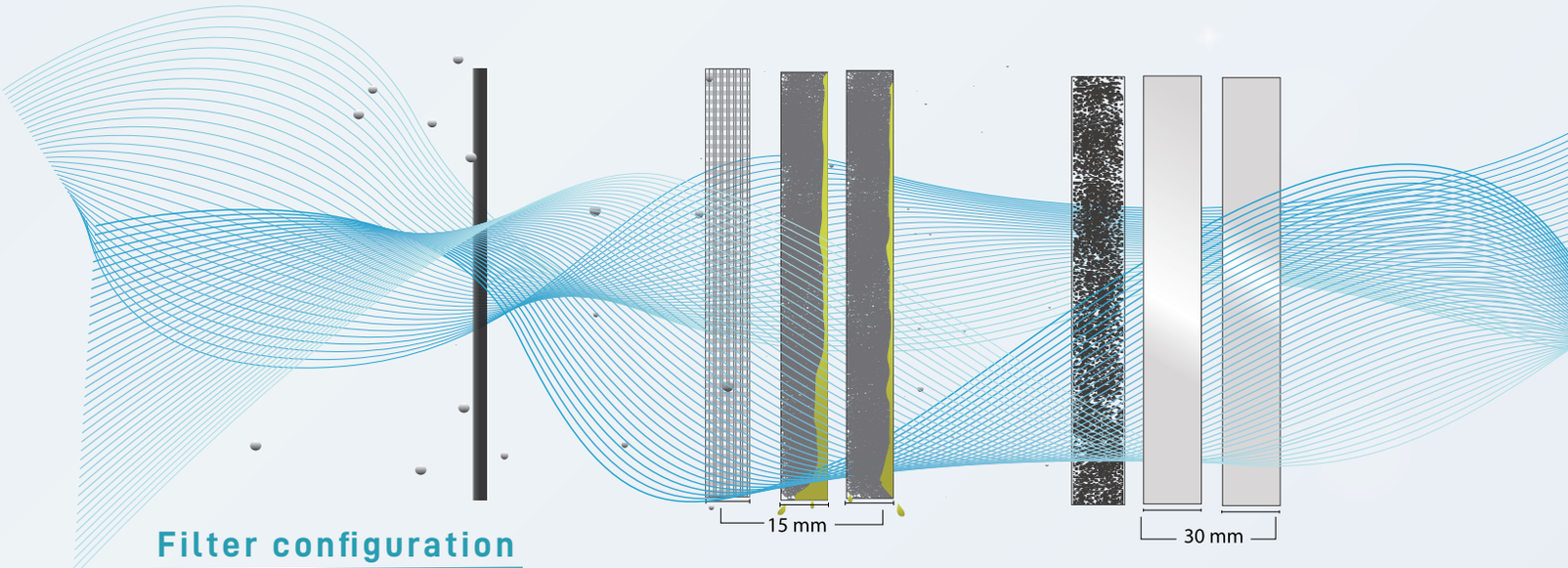
B. Like buying a car, consider fuel consumption and spare parts.
When purchasing a cleaning machine, consumables and maintenance costs need to be considered, far exceeding the machine itself.



3D metal filter



AX metal filter



Filter configuration

- According to the needs of the environment, there are a total of 32 combinations
- You can choose and adjust by yourself without being restrained.

Primary filter/ Washalbe

coffee burlap bag / Environmentally friendly material

Metal Material/ AX metal filter

Metal Material/ 3Dmetal filter

Natural consumables/ Activated carbon filter.

Sponge filter.

100% Recycle

IAC-7014 Construction Description

TYPE	Voltage	Frequency	Motor	CADR	SIZE	WEIGHT
IAC-7014	1P 110V/220V	50/60 HZ	180 W	2200 m^3/h	500 x 700 x 1700	100 KG
BAC-2021	1P 110V/220V	50/60 HZ	50 W	1800 m^3/h	407 x 710 x 1480	95 KG

length - width - height (mm)

Feature

Filters can be changed according to customer conditions and requirements.

Main appeal: Use high-tech metal filter material, reuse, no waste.

Technical focus

Multi-channel filtration (universal)

First course	Primary, nylon mesh
Second course	AX metal filter
Third course	3D metal filter
Fourth course	3D metal filter
Fifth Way	PP filter cotton
Sixth course	PP filter cotton
Seventh way	Activated carbon

- **Customized**
- **Provide countermeasures based on actual pollution.**

Purify the target

- All kinds of dust particles, suitable for laser engraving machine
- Metalworking or catering oil fumes
- All kinds of odor pollution, effectively improve
- Poor ventilation in medical institutions, improved air purification.

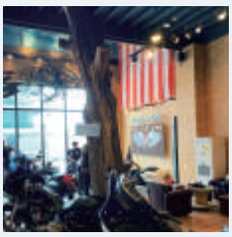
Customer case

Laser engraving machine.

Food Dust

Food Factory

Fablab



CNC classroom

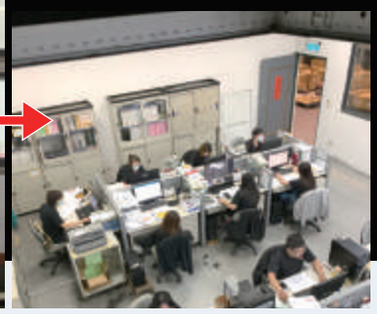
THSRC

3D printing

ESG

Cyclone filtration, better than blocking.

Reduce waste such as filter paper and outer frame.



Emit indoor air pollution to the outside. Make it into the IAC-7014 equipment, after filtering, and then send the clean air back to the office.

Fresh air exchange without loss of cold air.

技術 讓電省水
民生 優先工業

COOLBIT

AIR CLEANING SOLUTION

We insist :

1. Pursuit of zero waste
2. Low energy consumption and high efficiency

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