









For removing smoke and micro dust





A collector with no filter replacement Inc.YHB ECO/YHB Co.,Ltd/Inc.YHB TS



YHB Global **Networks** YHB concentrate to creating a transparent and enterprising corporate culture popular with the young talent, we build completely domestic & overseas business warranty service and global network for customer's satisfaction.

On the basis of this, we devote ourselves to making the low cost/high efficiency product which the customers low costly use in the whole world.



Global /larketing YHB will be with the achievement of world's best technology, we focus the core of

Korea Factory

- · Competitive price
- In time delivery
- Quality Assurance

Customer

- Green Products
- · Thinking customer's
- · health & safety
- Clean System

Management

- Customer's satisfaction
- · Worker feel the fruitful life
- Develop Company's business

Osaka Office

- Local office & warehouse
- · Able in time delivery
- Local maintenance

Shanghai Office

- Marketing of new products
- Agent Education
- After Service

| References |

| Domestic |

Yooil Machinery Co. Hwacheon Machinery Co.

Namsun Machinery Co

HMC Co.Ltd.

Hyundai Power Tech

Doosan Infracore

Hyundai WIA

Hanwha Machinery Co

Samsung Ele. Co.

Mando Machinery Co.

POSCO

FUNAC Korea

Samcheonri Machinery Co

Hanmi Semiconductor Co.

Hansol LCD Co. Ltd.

YG-1 Co. Ltd.

| Japan |

Fukuda Trade Co.

Hisico Co.

OHM Elec. Co.

Mitsubishi M/C Co.

Sigiyaseiki Co

Toyota Trade Co.

Taeyang Machinery Co.

Kihoo Trade Co

| Certification |





















Company Introduction

| Overview Foundation : Dec. 1987

Factory: Building 5000m sq./Worksite 7,000m sq

| Business Industry's : LOCK NUT

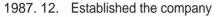
POWER LINK

Environmental's: Oil Mist Cleaner

Electrical Precipitator

Coolant Gun

| Office Seoul, Osaka Japan, Shanghai China, Taiwan



1992. 04. Developed lock-nut with own technology

1993. 02. Designated as calibration inspection institute (Industrial Promotion Adminidtration)

1993. 02. Acquired Q-mark (Korea Living Goods Test Inspection Office)

1993. 05. Selected as promising company from Bank of Gwangju

1995. 05. Designated the 21C leading promising company from the Ministry of Industry

1995. 05. Designated of the SBA Cooperative Union

1995. 06. Awarded the prize for New Technology Development Competition Gwangju Metropolitan City

1995. 11. Commended and designated as domestication company for capital material industry from Ministry of Commerce and Industry No.16824

1996. 08. Acquired EM mark(National Quality Technology Board)

1997. 12. Designated as military special incentive company from Military

1998. 02. Selected the item for domestication for capital material in 1998(MOCIE):as Oil Mist Cleaner H.S. No.8421319000

1998. 03. Designated as the registered company for the Public Procurement Service

1999. 05. Acquired CE mark(TUV of Germany)

1999. 05. Designatd as venture company (SMBA)

2000. 01. Acquired S Mark(Korea Occupational Safety and Health Agency)

2001. 01. Developed electric dust collector E/P CLEANER

2002. 05. Awarded of model SME commendation from SMBA

2004. 11. Awarded of Development of New Technology from MOCIE

2005. 06. Selected the world best item of locknut & power link from MOCIE

2005. 10. Certificated the ISO 14001

2007. 06. Selected the world best item of locknut & power link from MOCIE

2007, 10. Selected the INNO-BIZ from SBA

2008. 04. Acquired CE mark (EP Collector)

2008. 04. Acquired CE mark (Dust Cleaner)

2009. 02. Certificated the ISO 14001

2010. 08. Opened the Osaka office in Japan

2011. 03. Opened the Shanghai office in China

2012. 05. Opened the Taiwan office

2012. 12. Awarded Ceremony tower of 3 million export from MOCIE

2013.06. Factory Expansion(1,652 m²)

2014.03. Established YHBECO Co.Ltd

2014.05. Opened Iksan Factory

2014.06. Opened India/Vietnam Office

2015.10. Acquired UL Mark





■Main Office / Factory

Rm 516 Daeryng Techno Town 12th 327-32, Gasan-Dong, Gumcheon-Gu, Seoul, Korea

■Gwangju Factory

74 Hanamsandan 7 road, Gwangsan-Gu, Gwangju City, Korea

■Iksan Factory

41, Seogam-ro, 1-gil lksan-city, Jeollabuk-do Korea





Mist Efficiency Testing System (Made in Japan)

Our Products in Applications by YHB

Lock Nut & Power Link



These products aim the operator convenience and the durability World's favorite to make environmentally friendly which is the YHB's first object.

Green Factory





Mist Cleaner YPM TYPE

LONG ARBOR

For CNC Lathe,
CNC Milling m/c, Machining Center
Tapping m/c, Grinder m/c, Hopping m/c
Planner Miller etc······ Tools part &







Mist Cleaner YMC TYPE





Electrostatic Precipitator

One body, two function



The Electrostatic Precipitator invented anew

YHB presents a Electrostatic precipitator of the world has not seen before

A revolution of oil mist for Indusrial & Tool M/C Removable the OilMist, Welding Hum, Mist, Dust and Smoke



- Option
- FILTER AIR CLEANING SYSTEM
- RAIL TYPE (Simple unit with removable filter)



Characteristics

- Low cost of maintenance (no need the filter replacement and reuse only cleaning)
- High efficiency of collecting (Can collect the pm 2.5 below)
- Use none-water based lubricant (High efficiency of oil mist collecting)
- Low cost of Power (Can save the cost of power cause a liitle loss of wind power)
- Low vibration & noise (Improve of maching accuracy)
- Can collect the welding fume, gas smoke etc...





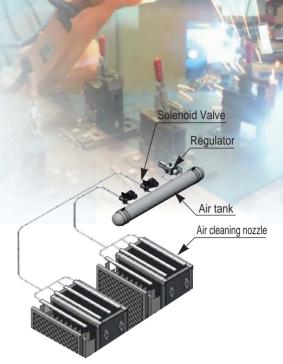




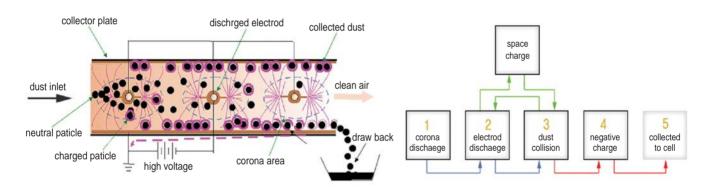
Filter Cleaning System

Filter cleaning system of develop the nation's can sweep the collected dust on the cell by spray air every 10 minutes as a result extend the cell cleaning period and can save the cost of maintenance.

99



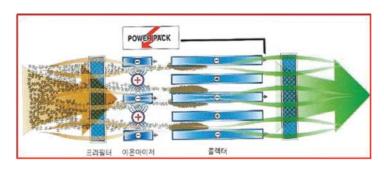
▶ Process of oil mist eliminate for EP



oil mist suction \rightarrow corona discharge \rightarrow move to discharge collector \rightarrow dust collected \rightarrow dust draw back

Principles of Electrical Dust Collector

Electrical dust collector consists of ionizer, collector electrode, and after filter. When high-voltage pulsating current is applied to the discharge electrode of ionizer, the voltage arrives at the staring voltage through the saturation area to increase the current and trigger a discharge. This type of discharge is called the Corona discharge and the strong electric field around the discharge electrode accelerates the emission of free electrons in the gas. The accelerated electrons move at a fast speed to collide with



other molecules or combine with other electrons to generate cations. A lot of cations and electrons are generated in this chain reaction, and this phenomenon is known as the Avalanche process. The pollutants that are electrically delivered are led to and collected at the collection electrode by the electrical force or ion movement to capture the micro dust that is not filtered by the filter.

A revolution of oil mist for Industrial & Tool M/C Small Electrostatic Precipitator

Characteristics

- Collects smoke/odors, micro dust, and oil mist when working in a factory.
- YHB is here to resolve any complaints of local residents or other factories.
- Does not generate industrial wastes as it does not require filter replacement (material: aluminum).
- Prevents occupational diseases and improves productivity.
- Service dispatch in two days when requested.

Expected Outcomes

- Protects the health of operators (prevents occupational diseases).
- Maintains the cleanliness of factories (prevents safety accidents).
- Improves efficiency of work (productivity).
- Easy to install and move (minimizes vibration and noise).

Washable filter

easy to install in limited spaces

removes smoke & odors (over 95% of smoke).

Cutting oil for industrial and machine tools (non-water-soluble).

Small and lightweight unit that can be installed on top of machine tools.



YEC-10



YEC-20

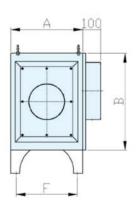


YEC-30



YEC-40

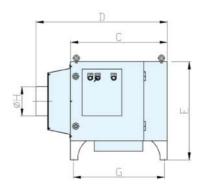




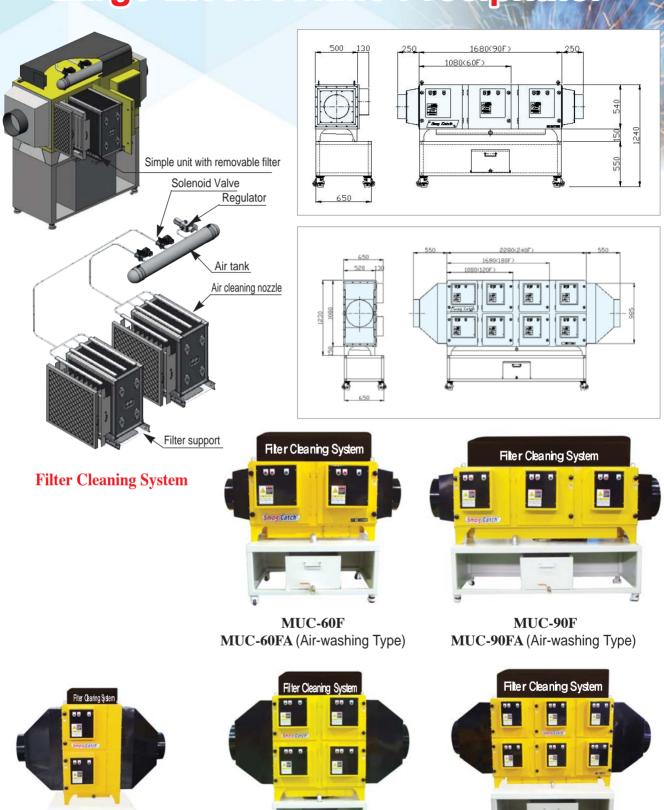


MODEL	Α	В	С	D	E	F	G	ØΗ
YEC-10	230	430	530	750	550	180	475	100
YEC-20	270	520	550	770	630	220	500	125
YEC-30	330	520	550	770	630	270	500	150
YEC-40	500	520	550	770	630	450	500	200

MODEL	YEC-10	YEC-20	YEC-30	YEC-40		
Voltage	Single 220V 60 Hz					
Consumption Power (W)	39	72	117	240		
Ampere(A)	0.34	0.45	0.49	1.52		
Fan Type	Backwardfan					
RPM	3200	2700	2650	2700		
Wind Q'ty(m³/min)	5	7	10	15		
Static Presssure(mmAq)	22	30	38	74		
Noise(dB ± 2)	60	63	70	76		
Efficiency(%)	95	95	95	95		
Weight(kg)	20	25	32	40		



A revolution of oil mist for Industrial & Tool M/C Large Electrostatic Precipitator



MUC-60V MUC-120F
MUC-60VA (Air-washing Type) MUC-120FA (Air-washing Type)

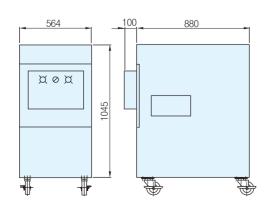
Electrostatic precipitator for welding fume

Fume collector that collects and purifies welding smoke, gas, and fume for deodorization.



Application

- •Removes micro dust, gas, and smoke from welding.
- •Deodorizes odor-causing materials.



| Specifications

MODEL	YFC-999		
POWER(V)	Single Phase 220V 60 Hz		
POWER CONSUMPTION(W)	240		
Ampere(A)	1.0A		
FAN	Backward		
RPM	2700		
AIR VOLUME(m³/min)	25		
STATIC PRESSURE(mmAq)	80		
NOISE(dB ±2)	64±2		
Inlet hole(Ø)	ARM Ø150 ×3M		
Efficiency(%)	95		

References









A collector with no filter replacement



Factory

74, Hanamsandan 7beon-ro, Gwangsan-gu, Gwangju, KOREA TEL: +82-62-952-6633 FAX: +82-62-952-6635

Seoul Office

14, Gasan digital 2-ro, Geumcheon-gu, Seoul, KOREA Daerung-technotown 12-501 ho

TEL:+82-2-2029-6400~3, +82-31-430-6633

Technical Research Center

107, Hanamsandan 9beon-ro, Gwangsan-gu, Gwangju, KOREA TEL: +82-62-351-6633 FAX: +82-62-351-6633 http://www.yhb.co.kr

A collector with no filter replacement



日本事務所: 〒544-0032 大阪市生野区中川西2丁目14番23号 2-14-23 NAKAGAWA-NISHI IKUNOKU OSAKA JAPAN

TEL: 06-6766-5521 FAX: 06-6766-5522

E-mail: yhb3s@yahoo.co.jp http://www.yhbosaka.com



Head Office & Fatory

14, Gasan digital 2-ro, Geumcheon-gu, Seoul, KOREA

Daerung-technotown 12-501 ho

TEL:+82-2-2029-6400~3 FAX:+82-02-2029-6404

A/S: 0502-080-6633

E-mail: eco6400@hanmail.net

Gwangju Fatory

45, Hanamsandan 5beon-ro, Gwangsan-gu, Gwangju, KOREA TEL:+82-62-952-6633 FAX:+82-62-952-6635

Iksan Fatory

41 Seokam 1 iksan Jeonbok, KOREA

TEL:+82-63-835-4771 FAX:+82-63-835-4776

http://www.yhb.co.kr

CHINA HEADAGENT

公司名称:天津太敬格德自动化技术有限公司 公司地址:中国天津华苑产业园区(环外)海泰南道28号,

海泰国际产业基地C座2门301室

Company: TIANJIN TAIJING GODE AUTOMATION TECHNOLOGY CO.,LTD Address: 2-301, Block C, Haiyi International Industrial Base, No. 28, HaiTai Nan Road, Huayuan Industry Zone(Huanwai), Tianjin, China TEL: 86-22-83750103/83750104 FAX: 86-22-83750105

 $\hbox{E-mail : taijing@tj-taijing.com}$