

PRODUCT CATALOG



P A W I T R A

Indonesia Technologies. PT

AIR POLLUTION CONTROL & CLEANING EQUIPMENT

DUST COLLECTOR -
INDUSTRIAL VACUUM -
MATERIAL TRANSPORT -
MECHANICAL & FABRICATION -
MONITORING & AUTOMATION -



Contact Us:

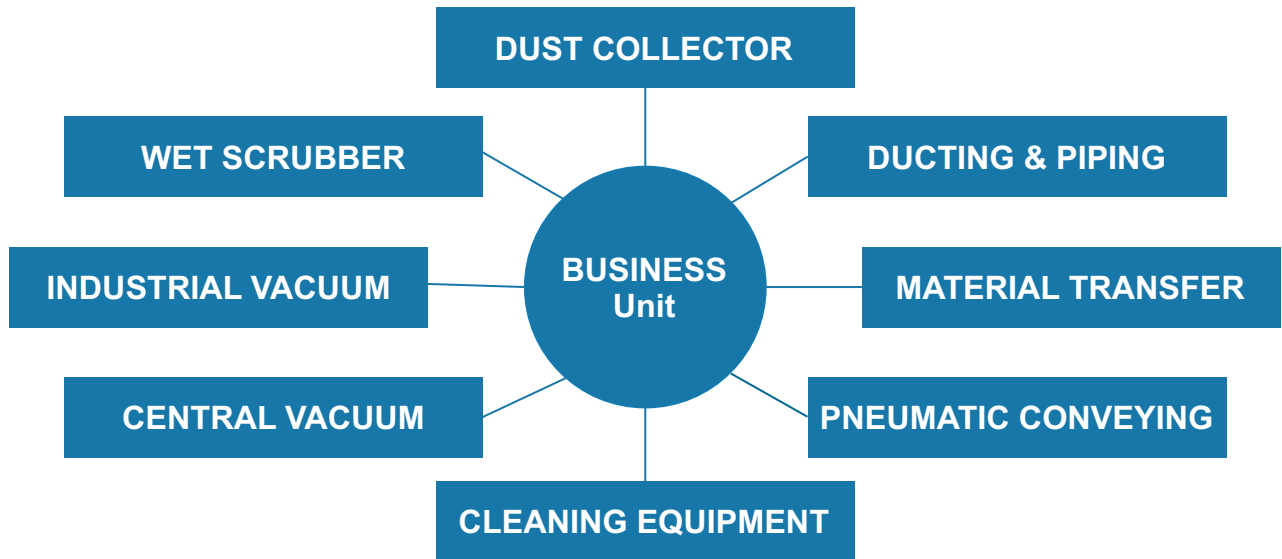
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ABOUT US

We began as a company engaging in air pollution since 2010, by applied technical calculations, engineering, and analysis we provide solution for achieving customer satisfaction. We also became agents industrial cleaning units of several international brands.



VISION

Healthy company that is active in keeping the air clean and fresh

MISSION

- Supply Unit and System
- Supporting for design, engineering, and installation system
- Serving for maintenance and recondition



TEAM & SERVICE

- Design & Engineering
- Fabrication
- Manufacturing
- Installation & Erection
- Maintenance Service
- Assesment & Inspection

DUST COLLECTOR PORTABLE

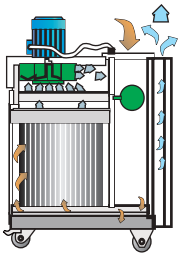
Application

mixing, grinding, loading/unloading, packing, etc

Pollutant handling

dust, Fume, chips, powder, wood.

SPECIFICATION	
- Power	(1 - 5) KW
- Air Flow	(1400 - 5500) m3/h
- Voltage	380 V
- Rpm	2900 rpm
- Filter	(3 - 9) m2
- Filter Cleaning	manual / automation



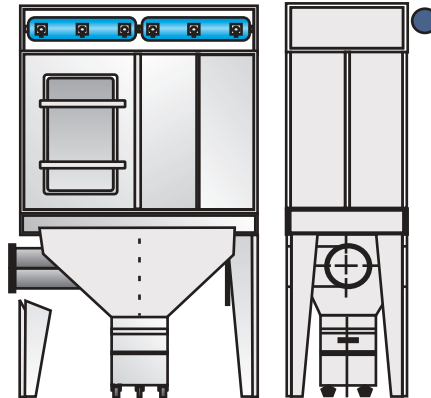
DUST COLLECTOR CENTRALIZED

Application

mixing, loading/unloading, grinding, packing, etc

Pollutant handling

dust, Fume, chips, wood, powder.

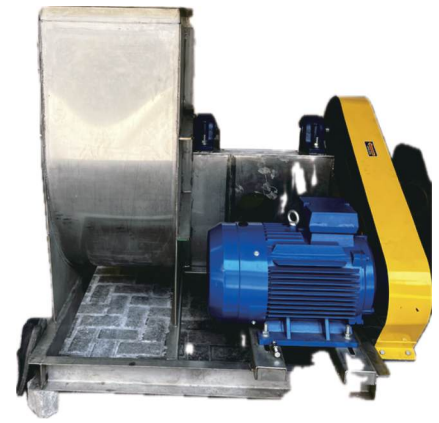


SPECIFICATION	
- Power	(10 - 150) KW
- Air Flow	(5000 - 50.000) m3/h
- Voltage	380 V
- Rpm	1400 - 2900 rpm
- Filter	(12 - 400) m2
- Filter Cleaning	automation
- Control Panel	include

BLOWER

Type

- Axial
- Centrifugal back ward
- Dust / Material Handling
- Fiberglass - Reinforced - Plastic
- Roof Ventilators
- Process Components
- Fan Components
- Custom Products
- Heating Product
- Typical Option



FILTER

Filter Type

- Polyester
- Spoonbond
- Paper
- Hepa

Filter Media

- Catridge
- Sleeve
- Star



VACUUM PORTABLE & CENTRALIZED

An industrial vacuum for cleaning system by using portable unit and centralized system

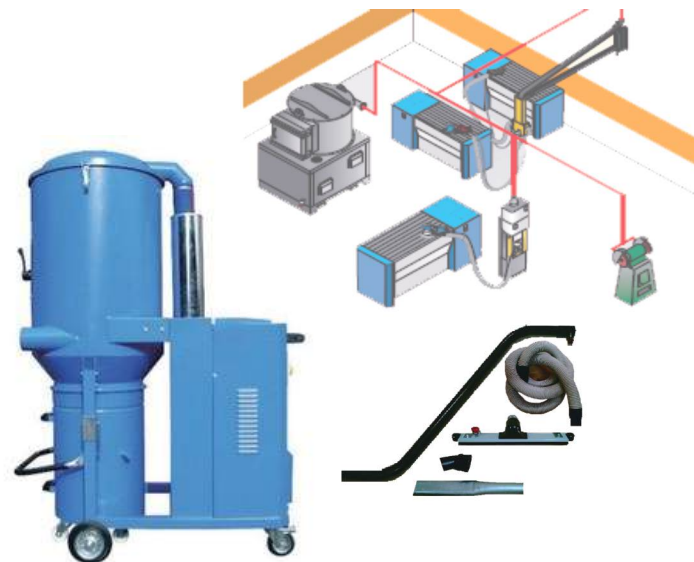
Application

cleaning heavy dust and material.

Material handling

powder, chip, solid material

SPECIFICATION	
- Power	(5 - 100) KW
- Air Flow	(100 - 1.000) m3/h
- Suction flow	2.000 - 10,000 mmAq
- Voltage	380 V
- Rpm	2900 rpm
- Filter	(2 - 20) m2
- Filter Cleaning	automation



Material Transport

A pneumatic conveying system transports a bulk material along the pipe lines by using compressed/vacuum air

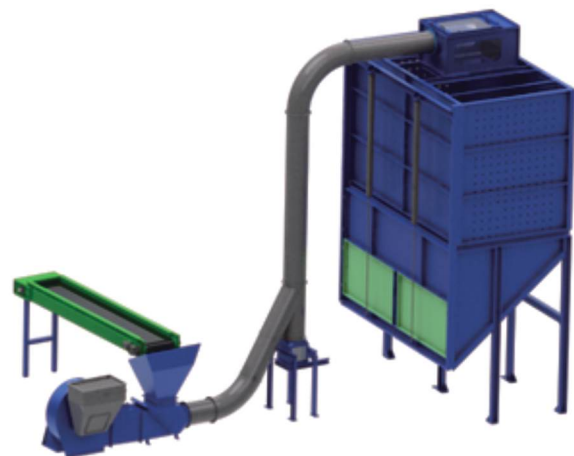
Application

Loading/unloading material, mixing, material distribution.

Material handling

powder, chip, solid material

SPECIFICATION	
- Power	(5 - 100) KW
- Capacity	(1 - 10) Ton/h
- Pressure/vacuum	1.000 - 10.000 mmAq
- Voltage	380 V
- Rpm	2900 rpm
- filtering system	include
- Filter Cleaning	automation



PRESSURE CONVEYING (positive system)



VACUUM CONVEYING (negative system)



WET SCRUBBER

Wet scrubber is antipollution system to eliminate dust and pollutants by using liquid as filtering component.

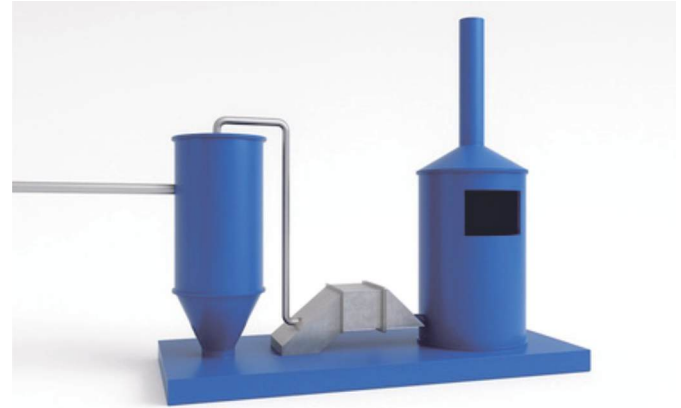
Application

quenching, hardening, chemical process, acid handling, mixing, warm/hot pollutant.

Industrial side

Smelting, Chemical industries, etc

SPECIFICATION	
- Power	(5 - 75) KW
- Air Flow	(100 - 50.000) m3/h
- Pressure/vacuum	100 - 1000 mmAq
- Voltage	380 V
- Rpm	1400/2900 rpm
- Water flow	(100 - 500) ltr/min



SPRAY BOOTH



SPRAY BOOTH is air pollution system to eliminate painting pollutants by using liquid as filtering component.

Application

Painting, Finishing processes

SPECIFICATION	
- Power	(1 - 15) KW
- Air Flow	(1.000 - 10.000) m3/h
- Pressure/vacuum	100 - 300 mmAq
- Voltage	380 V
- Rpm	1400/2900 rpm
- Water flow	(50 - 150) ltr/min

ENGINEERING

We serve many systems of air pollution control and supported by a solid team. Goal, time, and customer satisfaction are most important targets that must be reached.

Service

- System Analyst
- Design
- Assessment
- Fabrication
- Erection
- Winding Motor



DUST COLLECTOR

The system is structured by fan, filter, air pulse jet, piping system apply to handle pollution for keeping air clean and fresh



Site Location: PT. Indonesia Railways - INKA - Madiun
Centralized Dust Collector & Mobile Dust Collector
Sandblasting Room (40 x 40 x 40) meter; Finishing Gerbong (Sanding)



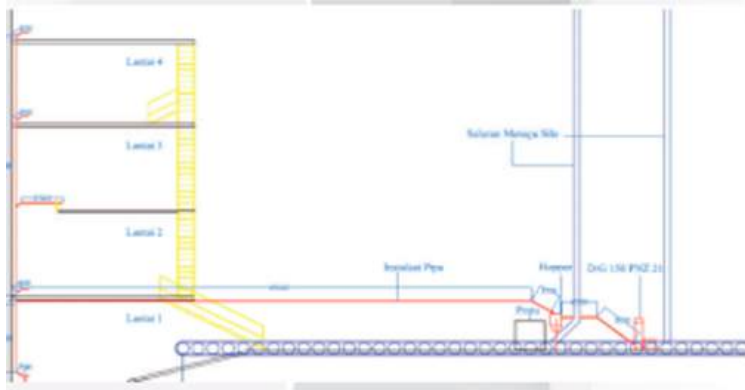
Site Location: PT. Unilever Indonesia - Plan Rungkut - Surabaya
Centralized Dust Collector
Process: Mixing, Explosion Proof Line



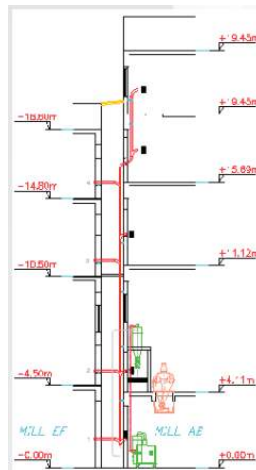
Site Location: PT. Kutai Refinery Nusantara - Plan Balikpapan - Kalimantan Timur
Centralized Dust Collector - Material Transfer
Process: Bottom Ash, Boiler - Power Plant

VACUM AND MATERIAL TRANSFER

Vacuum system is applied for sucking heavy dust/matrial (granular, gram/chip, sand, coal, etc)
It's possible for handle large and long area by applied right design of piping instalation



Site location : PT.Pembangkit Jawa Bali - PJB Paton
Transfer of coal (centralized vacuum)
Vertical : 30 m, Horizontal 50 m



Site location : PT. Indofood Flourmill - Bogasari
Transfer of wheat flour (centralized vacuum)
Vertical : 50 m, Horizontal 20 m



Site location : PT. Unilever Indonesia - Plan Trosobo
Transfer of Plastic Pellets (silo loading)
Vertical : 10 m, Horizontal 5 m



Site location :
PT. Cipta Mortar Utama - Plan Gresik
Pneumatic Conveying (cement)
Vertical : 30 m, Horizontal 20 m

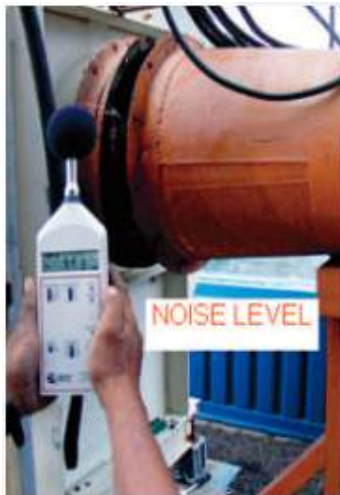


Site location
PT. Leo Agung Raya - Semarang
Dust Collector
Vertical : 2 m, Horizontal 5 m



ASSESSMENT AND INSPECTION

Assesment, inspection, and maintenance, also good team work will serve right solution for industrial trouble shooting,



Site location : PT.Pembangkit Jawa Bali - PJB Paiton
Assesment of Dust Collector (coal tripper area)



Site location : PT.Ajinomoto Indonesia - Mojokerto
Inspection Dust Collector Line (packaging line)



Site location : PT.Indonesia Smelthing Technologies
Maintenance Dust Collector all Production Line



Mechanical & Fabrication

- ❖ Machine Fabrication
- ❖ Fabrication for spare part and component
- ❖ Fabrication for metal & non metal matrial

PRODUK

- ❖ Machine Fabrication
- ❖ Fabrication for spare part and component
- ❖ Fabrication for metal & non metal material



- AS ULIR WORM
- GEAR BEVEL
- GEAR SPUR
- GEAR HELICAL
- GEAR SHAFT
- DRAT INNER
- GEAR DRUG
- ROLL

BLADE
many kind and type of blade / knife



INDUSTRIAL VACUUM CLEANER



POWER: 2,2 - 185kw
PRESSURE: 2.200 - 6.000 mmH2O
AIR FLOW: 315 - 1.100 3/hr

COMMERCIAL VACUUM CLEANER



POWER: 1.300 - 2.600 WATT
PRESSURE: 2.300 - 3.800 mmH2O
AIR FLOW: 270 - 400 m 3/hr
CAPACITY: 150 - 80 Liter

COLD HIGH PRESSURE WATER



POWER: 3 - 28 KW
PRESSURE: 130 - 500 Bar
FLOW RATE: 300 - 1000 Liter/hr

HOT HIGH PRESSURE WATER



ELECTRIC BURNER

FUEL BURNER



POWER: 3 - 28 KW
PRESSURE: 130 - 500 Bar
FLOW RATE: 300 - 1000 Liter/hr

STEAM GENERATOR



POWER: 3.000 - 7.500 KW
PRESSURE: 5,5 - 8,5 Bar
FLOW RATE: 100 - 1000 Liter/hr

SINGLE DISC



LOW SPEED



HIGH SPEED



POWER: 1,5 - 1,75 HP
PRESSURE: 400/17" - 457/18" mm/inch
SPEED: 150 rpm, 1.500 rpm / 20"

SCRUBBER DRYERS



PRODUCTIVITY: 1.300 - 11.000 m /hr
TANK CAPACITY: 16 - 145 liter

VACUUM SWEEPER



PRODUCTIVITY: 1.750 - 8.760 m /hr
TANK CAPACITY: 24 - 150 liter

STREET SWEEPER



VACUUM TRUCK



OUR CLIENTS

COMPANY	UNIT / SYSTEM	APPLICATION
- PT. Asian Profile Indonesia	Wet Scrubber	Furnace
- PT. Jaykay Files Indonesia (Sidoarjo)	Wet Scrubber	Surface Hardening
- PT. Jaykay Files Indonesia (Semarang)	Wet Scrubber	Surface Hardening
- PT. Hopax Indonesia	Wet Scrubber	Mixing Line
- PT. ECCO Indonesia	Wet Scrubber	Lathe Grinding
- PT. Dewata Teknik	Dust Collector	Sandblasting Room
- PT. Indonesia Rail Ways (PT. INKA)	Dust Collector	Sandblasting Room
- PT. Indonesia Smelthing Technologies	Dust Collector	Alumuniumsmelthing
- PT. Lani Sentosa	Dust Collector	Printing
- PT. Pembangkit Jawa - Bali (Paiton)	Dust Collector	Coal Loading
- PT. Unilever Indonesia (Surabaya)	Dust Collector	- Mixer Line
		- Exploution Proof
		- Laboratorium QC
- PT. Widhatra Bakti	Dust Collector	Scaling
- PT. Leo Agung Raya	Dust Collector	Formulastion Area
- PT. Untung Bersama Sejahtera	Dust Collector	Gold Process
- PT. Surabaya Autocomp Indonesia	Smoke Catcher	Solder
- PT. Semarang Autocomp Indonesia	Smoke Catcher	Solder
- PT. Jatim Autocomp Indonesia	Smoke Catcher	Solder
- PT. Unilever Indonesia (Trosobo)	Pnumatic Conveying	Plastik (loading)
- PT. CIAWENINDO Mitra Perkasa	Tool & Equipment	Production Equipment
- PT. ECCO Indonesia	Tool & Equipment	Production Equipment
- DIKJEN Gakum LHK KLH	Tool & Equipment	Renovasi
- CV. Arvin Berkah Abadi	Tool & Equipment	Pole Monted Lighting
- PT. Kutai Refinery Nusantara	Pneumatic Conveying	Bottom ash transfer
- PT. Mitra Karya Industri	Pneumatic Conveying	Transfer Berching Earth
- PT. INL Medan	Pneumatic Conveying	Transfer Material
- PT. Rekayasa Energi Bersama	Tool & Equipment	Pole Monted Lighting
- PT. Indofood Sukses Makmur (Bogasari)	Central Vacuum	Production line
- PT. Charoen Phockpand	Central Vacuum	Area Produksi
- PT. Widhatra Bakti	Vacuum	Cleaning Botol Infus
- PT. SS Utama	Spray Booth	Painting
- CV. Pujo Lumintu Bersinar	Sparepart	Sprocket, Timing Gift
- PT. Pembangkit Jawa-Bali (Gresik)	Metal Hardox	Fabrikation



PAWITRA
Indonesia Technologies, PT