



*Breathe clean air,
for a better future.*

Concept to Commissioning

*Energy Efficient Dust Extraction System, Fume Extraction System
and Vacuum Systems*



vision

Our vision at Yansons Engineering is to become one of the top 10 global leaders in providing effective solutions for air pollution control.

mission

We're dedicated to delivering worldwide, energy-efficient turnkey solutions for air pollution, promoting environmental sustainability, and improving quality of life through innovative engineering for a cleaner, greener world.

values

Yansons Engineering is guided by core values of accountability, responsibility, and ownership, empowering individuals to make informed decisions for success in all endeavors.



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Sustainable Industry Solutions

With over 25 years of experience in the industry, we have built an expertise as a trusted provider of dust extraction and solid waste management solutions.

Why Us?

- Energy Efficient and Cost Effective Solutions
- 170+ Clients

About Us

Yansons Engineering: Your foremost ally for state-of-the-art Air Pollution Control Solutions.

As a leading provider of cutting-edge and energy-efficient solutions, Yansons Engineering boasts a proven track record of excellence, successfully overseeing a myriad of projects that span a diverse spectrum of accomplishments.

At Yansons Engineering, we are driven by a system-centric approach that places a premium on efficiency and effectiveness at every turn.

- **System-Centric Approach:** At Yansons Engineering, we operate on a system-centric approach, placing a premium on efficiency and effectiveness at every turn.
- **Dedicated Team:** Our committed and dedicated team is driven to pioneer innovative solutions that effectively combat the challenges of air pollution control.
- **Contributing to a Cleaner Environment:** By choosing Yansons Engineering, you align with a partner dedicated to contributing to a cleaner and healthier environment for all.
- **Turnkey Partner for Significant Impact:** When you choose Yansons Engineering, you're selecting a turnkey partner capable of making a significant difference in air quality and environmental well-being.
- **Empowering You to Breathe Easier:** Let us help you breathe easier with Yansons Engineering, where excellence seamlessly meets environmental responsibility.



Located in
Pune, India



Serving
Globally



867+ Projects
Completed



25+ Years
Expertise

Industries We Serve

Steel and Alloys industry



Cement & Fly Ash Classification



Automobile Industry - Tier 2, Tier 3



Paper Industry



Particle Board & Plywood Board



Aluminum Industry with Furnace



Mineral Crushing Plants



Insulation Material Manufacturers



Foundry Industry



Ferro Alloys Producers



Speciality Chemical Industry



Textile Industry



Thermal Power Plants



Lowest emissions
thanks to in-depth
process knowledge



Case Study

Briquettes & Pallet plant in Steel Industries

Successful completion of the dust extraction system project for briquette plants and pallet plants is achieved when the following goals are met:

Key Features

- **Effective capture** and collection of dust at the source points.
- **Compliance with environmental regulations** and safety standards.
- **Maintenance of a clean and safe working environment** for the plant personnel.
- **Prevention of product contamination** due to airborne dust.
- **Reduction of air pollution** and environmental impact.
- **Efficient and reliable operation** of the dust extraction system.
- **Plant capacity of 1,70,000 m³/hr of 500hp**



Project Prowess

Demonstrating Our Engineering Capacities

Sr.No	System	End Client	Year	Total Flow Rate	Total HP
1.	Energy Efficient Dust Extraction System for Briquette and Micropellette Plant	Rashtriya Ispat Nigam Limited	2022-23	~1,70,000 m3/hr	500hp
2.	Vacuum Suction System for the Textile Industry	Spica India Pvt. Ltd.	2022-23	1,00,000 m3/hr	1000hp
3.	Fume Extraction System for Boilers	Privi Specialty Chemicals Pvt. Ltd.	2022-23	1,48,000 m3/hr	320hp
4.	Energy-Efficient Dust Extraction	Jindal Aluminum Limited	2023-24	1,44,000 CMH	150hp
5.	Wet Dust Extraction System for Chipper Disc	ITC Limited, PSPD	2021-22	72,000 CMH	200hp

Problem

The production processes in briquette plants and pallet plants generate a significant amount of dust and airborne particles. This dust can lead to health hazards for workers, compromise product quality, create an unsafe working environment, and contribute to air pollution.

Solution

Implementing a dust extraction system is the most effective solution to address the dust-related issues in briquette plants and pallet plants. A well-designed and properly installed dust extraction system will capture and collect the dust at the source, ensuring a clean and safe working environment while complying with environmental regulations.



Case Study

Furnace For Aluminium, Cast Iron, Stainless Steel Fume Extraction System

Successful completion of the furnace fume extraction system project for aluminum, cast iron, and stainless steel is achieved when the following goals are met:

Key Features

- Effective capture and **removal of fumes and hazardous gases** at the source points.
- **Compliance with emissions regulations** and attainment of required emissions limits.
- **Protection of worker health and safety** by minimizing exposure to harmful fumes.
- **Prevention of environmental pollution** by controlling and treating fumes.
- **Reliable and efficient operation** of the fume extraction system with proper maintenance and monitoring.



Problem

Furnace Industries effectively mitigates the dispersion of a substantial amount of dust into the surrounding environment, significantly reducing its impact.

Solution

Yansons offers an efficient dust energy extraction system catering to diverse segments. A testament to their success, Yansons has achieved remarkable cost savings, conserving approximately 25 lakh annually in power costs.



Case Study

Wet Dust Extraction For Paper Industries

A successful completion of the wet dust extraction system project in the paper industry is achieved when the following goals are met:

Key Features

- **Effective capture and removal of dust** at the source points
- **Compliance with dust control regulations** and improvement of worker health and safety.
- **Prevention of equipment damage** and fire hazards caused by dust accumulation.
- **Maintenance of a clean working environment** and prevention of product contamination.
- **Reduction of environmental impact** and air pollution.



Problem

Due to Dust being moist, most of it would accumulate in ducts and also chock the bag filter resulting less to NO suction of dust at all.

Solution

YANSONS Designed and developed, Venturi scrubber And cyclonic separator Resulted in effective dust extraction for both Wet and dry dust.



Case Study

Vacuum System For Socks Manufacturer

Successful completion of the vacuum system project for a socks manufacturing facility is achieved when the following goals are met:

Key Features

- **Efficient and reliable material handling** within the production process.
- **Improved waste collection and disposal**, reducing accumulation and maintaining a clean working environment.
- **Effective cleaning** of the production floor, machinery, and workstations.
- **Enhanced productivity** and reduced manual labor.
- **Compliance with safety** and hygiene regulations.



Problem

Manufacturing socks require a high draft of suction to achieve the desired shape and retain it throughout the retail process.

Solution

Yansons utilizes a centralized vacuum system to ensure that the vacuum demand of each integration machine is met, while also providing a high-energy extraction system to fulfill the vacuum requirements.



Case Study

Fire Safe + Noise Less Dust Extraction System

A fire-safe dust extraction system is crucial for grinding and buffing lines where the generation of fine dust and sparks can create a fire hazard. Here's an overview of a successful complete project for implementing a fire-safe dust extraction system in a grinding and buffing line

Successful completion of the fire-safe dust extraction system project in a grinding and buffing line is achieved when the following goals are met:



Problem

The industries usually face a lot of fume issue during the heat treatment process and insulation product manufacturing Owens, leading to smoke and unhealthy ambient air hazardous for labor force working inside the shop floor.

Solution

Yansons has a specially developed fume extraction system with the least pressure drop and huge volume of fumes handled ensuring the shop floor has a healthy environment.



Case Study

Fuel Handling Dust Extraction System

Implementing a dust extraction system for fuel handling is crucial to control and remove dust particles generated during the handling, storage, and transportation of fuels. Here's an overview of a successful complete project for implementing a dust extraction system in fuel handling

Key Features

- Highly **energy efficient**.
- **Ease of control** and maintenance.
- **Optimum Flow** calculation.
- Exhaust limit **<10 mg/m³**
- Automation using latest **PLC and Scada** based system



Problem

Fuel handling operations, such as loading, unloading, conveying, and storage, generate a significant amount of dust. The accumulation of dust can pose risks to worker health, equipment integrity, and environmental pollution. It is essential to mitigate these risks and ensure regulatory compliance.

Solution

Implementing a dust extraction system provides an effective solution to capture and remove dust particles generated during fuel handling operations. The system ensures worker safety, protection of equipment, compliance with regulatory requirements, and environmental preservation.





Why Choose Us?

Efficient OPEX Management

Yansons Engineering excels in optimizing operational expenditures, ensuring ongoing costs are minimized without compromising quality.

Optimizing Energy Efficiency and Suction Efficiency

Our company specializes in designing, installing, and optimizing these custom solutions for a variety of industries, such as mining, manufacturing, and more.

High Suction Efficiency

Our products are designed to deliver exceptional suction efficiency. Whether you need a vacuum cleaner, air purifier, or any other suction-based equipment, our solutions are optimized to provide powerful and thorough cleaning or filtration capabilities. With high suction efficiency, you can achieve cleaner and healthier spaces effortlessly.



Revolutionizing Industrial Solutions

Dust Collectors for Enhanced Safety and Efficiency

Concept to Commissioning Turnkey Solutions for your requirements of Dust Extraction Systems & Air Pollution Control equipment Innovative Dust Collectors and Material Handling Solutions for a Better Work Environment.

- Fire Safe, Dust Free & Less Noise Dust Collectors
- Power Efficient Dust extraction system for Mineral Crushing plants
- Efficient material handling plants for Solid waste management
- Automation and Optimization of Dust Collectors
- Grinding Buffing FIRE SAFE Dust Extraction system
- Acoustic enclosures for Noise Free environment
- Munciple waste collecting equipment (Tractor mounted)

Products



Screw Conveyors

Material Of Construction

- Mild steel
- Stainless steel

Applications

- Oil Mills
- Cement Industry
- Fertilizer industry
- Chemical industry
- Food Processing Plants
- Grain Processing Units
- Flour Mills
- Cast Iron Industry
- Sugar Mill
- Pharmaceutical Industry



Portable Tractor Mounted DES

Material Of Construction Applications

- Design and Construction
- Dust Collection Capability
- Tractor Compatibility
- Mobility and Portability

Applications

- Design and Construction
- Agriculture and Farming
- Woodworking and Carpentry
- Mining and Quarrying
- Manufacturing and Industrial Processes
- Road Construction and Maintenance
- Cleaning and Restoration



Flour Mill Dust Collector

System Benefits

- Improved Air Quality
- Maintenance and Hygiene
- Fire and Explosion Prevention
- Compliance with Regulations

Applications

- Grain Cleaning and Preparation
- Milling and Grinding
- Sifting and Separation
- Packaging and Bagging
- Bulk Storage and Handling
- Maintenance and Cleaning



Centrifugal Fan & Blowers

Applications

- HVAC Systems
- Industrial Ventilation
- Process Cooling
- Air Purification
- Material Handling
- Automotive Industry (engine cooling, ventilation)



Bag Filter

Applications

- Power Generation.
- Cement Production.
- Pharmaceutical Manufacturing
- Mining and Minerals
- Woodworking and Furniture Manufacturing
- Foundries and Metal Fabrication
- Waste Incineration

GALLERY

The Minister of Environment Mr. Akihiro Nishimura, (Government of Japan) Visited us at India-Japan Environment Week New Delhi ,12th Jan 2023.



We had an enriching experience at India-Africa Business Conclave and had the privilege of meeting with the High Commissioners of the Central African Republic.



Foundry Cluster Exhibition participation



ACCOLADES

Yansons has been awarded performance bonuses, certificates of appreciation and recognition for maintaining best standards in health, safety and environment by various customers.

APPRECIATION CERTIFICATE AWARDED TO YANSONS



BEST SOLUTION FOR FIRE SAFE DUST EXTRACTION & NOISE POLLUTION CONTROL FOR GRINDING LINE

Date: 22/09/2021





CERTIFICATE OF APPRECIATION

It is with an immense pleasure that we certify M/s YANSONS Engineering Private Limited for providing the BEST SOLUTION FOR FIRE SAFE DUST EXTRACTION & NOISE POLLUTION CONTROL FOR GRINDING LINE. The system was used to reduce dust and noise in the grinding line of the grinding machine, which is used for grinding of various types of grinding wheels. The system was used to reduce dust and noise in the grinding line of the grinding machine, which is used for grinding of various types of grinding wheels. The system was used to reduce dust and noise in the grinding line of the grinding machine, which is used for grinding of various types of grinding wheels.

Authorized Signatures
Pravin Rajguru - Project Manager - YANSONS, Pune
ALYA LALANI, MGR PROJECT LIMITED

APPRECIATION CERTIFICATE AWARDED TO YANSONS



BEST SOLUTION FOR POLLUTION CONTROL EQUIPMENT FOR INSULATION MANUFACTURING PLANT



Date: 30/11/2021

Certificate of Appreciation

M/s K-Flex India Private Limited are glad to Certify that M/s Yansons Engineering Private Limited, has been our most reputed supplier for providing the BEST solution for dust extraction system for our various manufacturing process for our AIR Thermal Insulation manufacturing plant in Raigarh, Pune.

Yansons India has always remained an industry leader by designing the latest and best equipment to suit our requirements.

We appreciate the quality and services of YANSONS being our sole supplier.

We would definitely recommend YANSONS Solutions and look upon them as our trusted source for their products.


We shall be happy to continue our association with Yansons Group!




Mr. Tarun Kulkarni, Managing Director, (LIFE)
K-FLEX India Pvt. (India) SMC
Handling over the APPRECIATION CERTIFICATE

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From: SUNIL PATIL, [mailto:sunilpatil@endurance.co.in]
Sent: 29 September 2020 16:22
To: KAVY SHANKERD [mailto:kshankerd@endurance.co.in]; Yansons Engg - Sales
[mailto:sales@yansongroup.com]
Cc: SANJAY PATHI, [mailto:sanjaypathi@endurance.co.in]
Subject: Feedback of Dust Collectors procured from Yansons Engineering, Pune

Dear Sir,

Completed order (Dust Collector) made by Yansons Engg. as per our process requirement is very good. Existing Dust collectors which are not using to working well by our Grinding process.

Regards,
SUNIL PATIL
Endurance Technologies Ltd
ZZZ-Transmission, B/H
K226/1, Ghorampada

From: Neesma Pedredia [mailto:Neesma.Pedredia@itc.in]
Sent: 23 March 2022 15:53
To: Aniket[Yansons Engg P. Ltd.] <aniket@yansongroup.com>
Cc: 'Rupali[Yansons Engg. Pvt. Ltd.]' <info@yansongroup.com>; Kalyan Kumar Narasani <KalyanKumar.Narasani@itc.in>

Subject: DE Request for performance data and maintenance information

Dear M Aniket

As discussed, we do not have approval to provide maintenance to our site.

However, we confirm that the performance of the Dust Extraction (DE) system, supplied for Disc Chippers against PD 450400000 in 2014 is satisfactory.

Hence, order has been released to supply 2 DE systems for Chippers in Jun'22

Regards,

Neesma P
Planning Manager,
Purchase & SRP
Edn: 4222
Ph: 9908491878 ;
8309788783

OUR PATRONS



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