



COMPANY Profile

Pioneer in Automatic fire detection and suppression systems and precision engineering components for industries like Indian Railways, Mining, Oil & Gas, Vehicles, IT server rooms and the defence sector, Recognised by Startup India.

www.vibaindustries.com

VIBA INDUSTRIES
PVT LTD



DEPARTMENT FOR PROMOTION OF
INDUSTRY AND INTERNAL TRADE
MINISTRY OF COMMERCE & INDUSTRY,
GOVERNMENT OF INDIA

#startupindia

DPIIT no. 145144

Introduction

Viba Industries is a trailblazer in manufacturing automatic fire detection & suppression systems and developing advanced solutions for critical sectors including Indian Railways, mining, defence, and government agencies. With 20 years of industry expertise, we are committed to delivering quality, innovative, and reliable solutions that ensure the safety and security of lives and assets. Recognized by Startup India for our dedication to excellence, we blend global inspiration with local expertise to provide unparalleled protection and peace of mind to our clients worldwide.

Our Vision

Our vision at Viba Industries is to be a global leader in fire suppression technology and complex system development, ensuring the safety and security of lives and assets across diverse sectors. We envision a future where our solutions redefine industry standards, offering unparalleled protection and peace of mind to our clients worldwide.



Affiliations



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About Us

Established in 2023, Viba Industries Pvt. Ltd. is a dynamic and forward-thinking company specialising in the manufacturing of advanced automatic fire detection and suppression systems. We are committed to delivering innovative and efficient fire detection and suppression solutions to a diverse range of industries.

Our Heritage

Viba Industries Pvt. Ltd. builds on the legacy of **M/s Electrographic**, a company established in 1998 by our esteemed promoter. With over two decades of experience and expertise in the field, our promoter's vision and leadership have been instrumental in shaping Viba Industries into a trusted name in fire safety solutions.

Our Mission

To deliver state-of-the-art fire suppression systems that protect lives, property, and the environment. We aim to be at the forefront of technological advancements in fire safety, ensuring our clients receive the most reliable and effective solutions.

Expertise

We have developed intelligent automatic fire detection and suppression systems, including high-pressure water mist, ABC Dry Chemical Powder, clean agent gas, dual-agent, and aerosol systems.

Industries We Serve

Indian Railways

Viba Industries is proud to be a trusted supplier of fire suppression systems to the Indian Railways, ensuring the safety of passengers and assets.

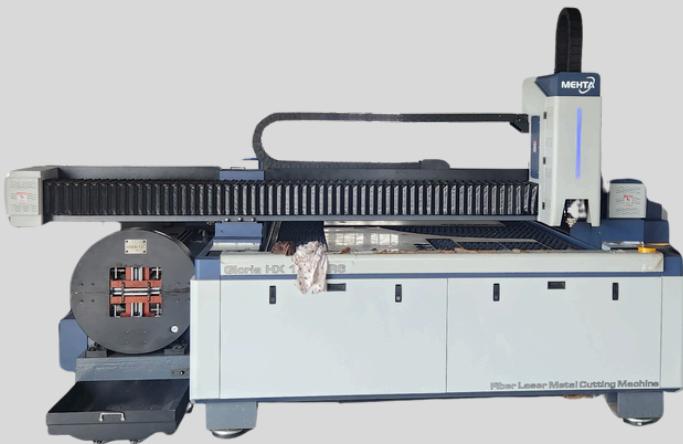
Mining Industries

Our robust and reliable fire suppression solutions, including Northern Coalfields India, are extensively used in the mining industry to protect workers and equipment in hazardous environments.



Our Facility

List of Machineries



CNC PRESS BRAKE MACHINE

Our CNC press brake machine delivers high-precision bending with advanced automation for complex sheet metal forming. Ideal for producing intricate designs in various materials for industrial applications.



BAND SAW MACHINE

This double-column semi-automatic bandsaw has a 300 mm cutting capacity and is engineered for stability and accuracy in heavy-duty metal cutting. It minimizes vibrations, ensures a precise cut, and automates clamping and cutting.

LASER SHEET WITH TUBE CUTTING MACHINE

State of the art machine having precision cutting offers sheet as well as tube cutting of various metal and non-metal items.



CNC MACHINE

CNC turning machines can be used for a variety of turning applications in industries like pumps, valves, oil and gas, industrial machinery, and general engineering.



Our Facility

List of Machineries



TIG MIG WELDING MACHINE



LASER WELDING MACHINE



STUD WELDING MACHINE



ELECTRIC TAPPING MACHINE



LASER MARKING MACHINE



GEARED HEAD LATHE MACHINE

Our Facility

List of Machineries



COLUMN DRILLING MACHINE

25mm Column Drilling machine provides good spindle speed for drilling across various materials and is ideal for heavy-duty industrial applications.



TURRET MILLING MACHINE

offers exceptional flexibility and precision with its adjustable turret head and multi-axis table movement. Ideal for complex machining, drilling, and slot cutting, it ensures accurate and efficient prototyping, small-batch production, and repair work



EDM WIRE CUTTING MACHINE

offers exceptional precision for intricate cutting tasks with advanced CNC controls and fine wire technology. It delivers superior accuracy and smooth finishes, making it ideal for tool & die-making, mould production, & high-precision component manufacturing.

DIVERSE MACHINERIES FOR INDUSTRIAL NEEDS

There are many other machineries at our facility that offer various industrial requirements and all our machines are of international industry standards, follow all the manufacturing practices that delivers quality, efficiency and timely delivery to our customers.

Our Facility

List of Machineries

NITROGEN GAS GENERATION AND REFILLING STATION



Our manufacturing unit has state-of-the-art machinery and advanced testing facilities to ensure superior product quality. We adhere strictly to quality standards and meet the rigorous requirements of our esteemed government clients.

Automatic High Pressure Water Mist System

Introducing VIBATECH®: Revolutionising Fire Suppression in India

VIBATECH® presents a cutting-edge High-pressure Water Mist firefighting solution, harnessing the potent extinguishing capabilities of nature's most sustainable element: water.

Utilising the same principle as traditional sprinkler systems but with enhanced performance, VIBATECH® Water Mist achieves unparalleled extinguishing power through its advanced mist production process. By atomising water into millions of micro-droplets smaller than 50 microns, our technology optimally addresses fire suppression by:

- Displacing oxygen in the combustion area
- Amplifying the cooling effect of water sevenfold compared to conventional sprinkler systems
- Significantly reducing radiant heat
- Our High-Pressure Water Mist system at 200 bar pressure consists of only one cylinder with propellant (Nitrogen) and water.
- Our suppression system uses a 360°C nozzle that gives an umbrella effect that covers the maximum fire area.
- The HPWM system is less bulky than the twin-cylinder system, which occupies less space.
- The line pressure is eradicated from the twin-cylinder system, resulting in HPWM's pressure being increased as well as the efficient payload of the system
- The surface area of suppression also increased.
- Being a light system, HPWM requires less hardware and piping connections.
- Water droplet size is also reduced, giving it a fog-like effect.
- Our nozzle quality is paramount.
- The smart user interface of our control panel is user-friendly and easy to use for a layman.



Our state-of-the-art nozzles, the smallest in the international market, enable precise delivery of atomized water directly to the fire source at high speeds. VIBATECH® is safe for both people and the environment, safeguarding valuable assets while minimizing business disruptions and water consumption (up to 90% less compared to traditional sprinkler systems).

Experience the future of fire suppression with VIBATECH®, setting new standards for safety and efficiency in the Indian market.

Water Mist vs Hydrant System

Vibatech® vs Sprinkler: Advancing Fire Suppression Solutions in India

In the realm of fire suppression, Vibatech® Water Mist installations stand out for their superior attributes. Weighing 85% less than traditional sprinkler systems, Vibatech® achieves this through its innovative design, necessitating fewer nozzles, smaller piping, and utilising top-notch materials.

The compactness of Vibatech® nozzles and minimal water reservoir requirements not only ensure efficient use of space but also provide architects and interior decorators with unparalleled design flexibility. With customizable capacity and size options, Vibatech® empowers stakeholders to seamlessly integrate fire safety measures into diverse architectural settings.

Discover the epitome of lightweight, swift, and durable fire suppression solutions with Vibatech®, setting new benchmarks in the Indian fire suppression industry.

Applications

Building and Cultural Heritage

- Hotels, shopping malls and hospitals
- Churches and cathedrals
- Theatres and museums
- Libraries and archives
- Warehouses and deposits
- Car parks
- Kitchens
- Data centres and technical rooms



Oil & Gas and Industry

- Turbines
- Generators and transformers
- Cable tunnels
- Electric cabinets
- Conveyor belts
- Transformers and electric substations
- PC and telecommunication rooms
- Engine rooms
- Oil tanks



Marine & Offshore

- Engine rooms
- Accommodation areas
- Transportation and Infrastructures
- Ro-ro decks
- Galleys and deep fat fryers
- Balconies
- Bilges
- Galleries and tunnels



Transportation and Infrastructures

- Galleries and tunnels
- Hangars
- Train and underground stations
- Airports
- Trains
- Buses



Aerosol Fire Suppression System

Vibasole fire suppression systems deliver cutting-edge, highly efficient fire suppression agents with distinctive operational and flow characteristics. Combining an eco-friendly agent with specially designed components and highly effective detection devices, our systems ensure rapid fire suppression, minimizing property damage and combustion products. These systems are automatically activated, and compact, and eliminate the need for costly pressure vessels, nozzles, and distribution piping found in traditional systems. Vibasole systems offer significant savings in weight and space, with generators strategically placed throughout the spaces, designed to discharge between seven and thirty-six seconds, depending on the generator size.

Working Principle

1. Detection and Activation: Vibasole systems activate automatically or manually upon detecting a fire through connected smoke, heat, or flame detectors.
2. Aerosol Release: Upon activation, Vibasole generators discharge an ultra-fine, potassium-based aerosol throughout the protected area.
3. Fire Suppression: The aerosol particles disrupt the combustion process by neutralising free radicals, quickly extinguishing the fire and preventing its spread.
4. The suppression agent is a nitrogen and potassium-based aerosol, with particle sizes predominantly ≤ 2 microns. This aerosol exhibits gas-like flow characteristics and is non-toxic to humans during short-term exposure at recommended concentrations.
5. Efficiency: The fine aerosol reaches all areas, ensuring comprehensive coverage. Vibasole aerosol is ten times more effective than traditional gaseous agents on a weight basis.

Advantages

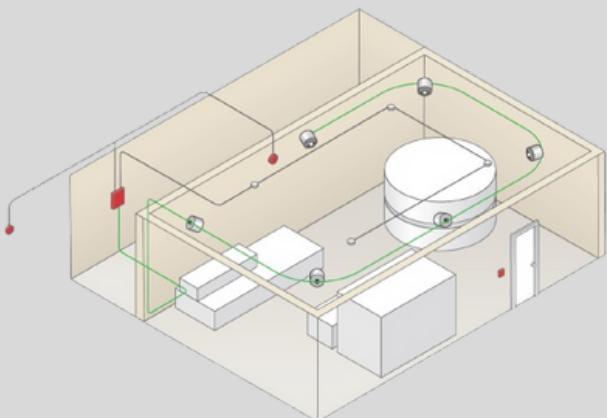
- Cost-Effective: Lower installation and maintenance costs compared to gaseous systems, without the need for complex piping or pressure vessels.
- Minimal Maintenance: Vibasole systems offer over 10 years of reliable operation with virtually no maintenance.
- Space-Saving: Compact and lightweight, ideal for areas with limited space.

Vibasole aerosol-based fire suppression systems are approved for the following fire classes:

Class A: Surface Fires

Class B: Flammable Liquids

Class C: Energized Electrical Equipment with A or B involvement



Aerosol Fire Suppression System

Applications

1. Industrial Facilities
2. Data Centers
3. Telecommunication facilities
4. Heritage Properties and Archives
5. Power Generation
6. Transportation
7. Storage Rooms and Accommodation Spaces
8. Heavy Industries
9. Battery Storage Systems
10. Public Buildings
11. Defence Applications



ABC Dry Powder Suppression System

Advanced Fire Suppression Systems for Heavy Machinery

Our Vehicle Fire Suppression Systems use cutting-edge technology for rapid fire detection and suppression. The system features automated heat sensors that quickly detect fire, triggering a dual-stage suppression process. The first stage uses a dry chemical agent for fast fire knockdown, while the second stage employs a liquid cooling agent to prevent re-ignition by cooling hot surfaces. The system is powered by a control panel that coordinates the entire process, ensuring precise operation.

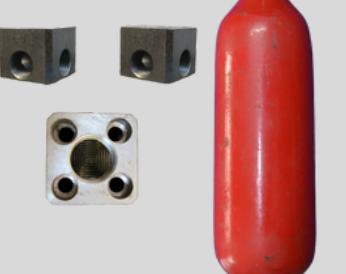
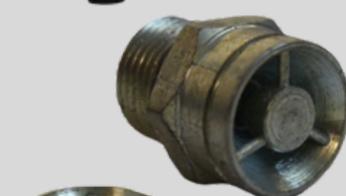
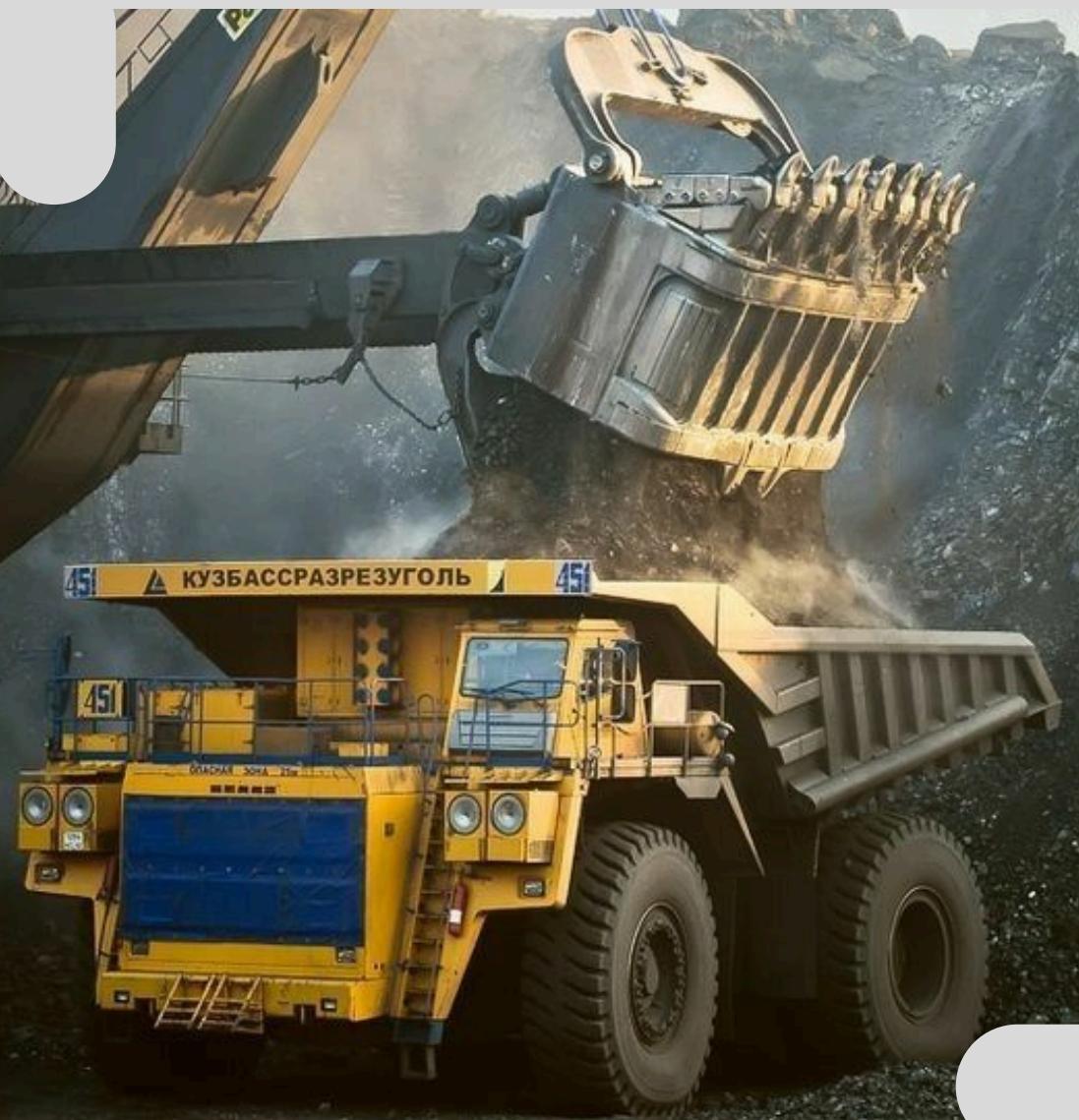
Technology Highlights:

- Automated Heat Detection: Continuous monitoring with heat sensors for quick response.
- Dual-Agent Discharge: Dry chemical agent for fire knockdown and liquid cooling agent to prevent re-ignition.
- Reliable Actuation: Electric and pneumatic activation options for fail-safe operation.

Ensure maximum protection and minimal downtime with our high-performance fire suppression technology.

Applications

- 1) HMM Vehicle
- 2) Armoured Vehicle
- 3) Restaurant Kitchen
- 4) Industrial Facilities
- 5) Wind turbines
- 6) Heritage Properties and Archives
- 7) Power Generation
- 8) Coal Mines
- 9) Defence Applications
- 10) Heavy Industries



Rakshavaan

RAKSHAVAAN - Fog Security Generator

Security Fog System, 100% Indigenous. Proudly Made in India.

Engineered to deter crime in seconds, RAKSHAVAAN™ RV-300 creates an impenetrable fog barrier that protects your assets before a theft can occur.

INSTANT PROTECTION.
TRUSTED BY PROFESSIONALS.



SMART ANTI-THEFT FOG SECURITY SYSTEM - BLAZE 1

NON-TOXIC | AUTO DETECTION | 1L TANK | 30-MINUTE FOG DURATION

MADE IN INDIA | INNOVATIVE SECURITY & AUTOMATION

Key Features:

- Rapid Fog Activation via external control signal (manual or automated)
- A Large amount of Special Fog in protected areas in a very short time
- Auto Backup Power for uninterrupted protection during power failures
- Hides objects and vision, ensuring the safety values
- Fog created zero visibility, causing loss of orientation that forces the thief to leave the premises
- Prevent hazards to people's lives. Harmless to Health and fireproof
- Status Indicators to show real-time device health and readiness
- Universal Control Panel Compatibility
- Loop Line Integrity Monitoring
- Ethernet Module Ready (optional)

Application

- Jewellery & gold shops
- ATMs and bank vaults
- Server rooms
- Warehouses & logistics hubs
- Retail showrooms
- Industrial storage spaces

Eco & Safety Info:

- Non-toxic, safe fog liquid
- Leaves no residue on surfaces
- Environmentally friendly materials
- Developed, manufactured, and tested in India



Services & Solutions

Our range of OEM solutions –

1. All types of control panels (Electronics & Electrical)
2. Fire Detection and Suppression Panels. (Electronics)
3. Fire Suppression System and Component / ABC / Foam-Based
4. High-Pressure Water Mist Fire Suppression System
5. Transformer Protection System(N2 filling/powder/water)
6. Brass, MS and SS Valve Manufacturing
7. Fire extinguisher manufacturing (ABC / CO2-based)

Range of engineering services offered –

1. Various CNC precision machining, laser cutting, welding, and bending in MS, Brass, Stainless Steel, and Titanium
2. Industrial hose crimping, metal forming, shop floor production runs, and machine shop maintenance
3. Nitrogen gas generation (Cylinder Re-filling up to 200 bar)
4. Fire extinguisher refilling (powder & gas)



Valve Assembly and efficient nozzle Manufacturing –

Under valve assembly, we manufacture various types of valves and accessories for fire suppression systems.

1. Valve Assembly for Dual Low-Pressure Valve (DLP) for foam and ABC powder (10 psi)
2. Pneumatic-operated ABC valve assembly(300 psi)
3. Low-pressure water mist valve (140 bar)
4. High-pressure water mist (200 bar)
5. High-pressure venturi-based valve (200 bar)

Our expertise lies in manufacturing any type of high-pressure valve, nozzles and accessories according to international standards and norms.



R&D, Innovation & Quality

Innovation and Quality

Research and Development

At Viba Industries, we invest heavily in research and development to continuously innovate and improve our product offerings. Our dedicated R&D team works tirelessly to develop cutting-edge solutions that meet the evolving needs of our clients.

Quality Assurance

We adhere to the highest quality standards in the manufacturing process, ensuring that every product we deliver is reliable and efficient. Our quality assurance protocols are rigorous and comprehensive, guaranteeing the best performance of our fire suppression systems.

Certifications and Recognition

Viba Industries holds various government certifications, including NSIC, MSME, ISO, and FSAI, and complies with all government departmental tender norms.

Startup India Recognition

Viba Industries Pvt. Ltd. is proud to be recognised by Startup India as a testament to our commitment to innovation, quality, and excellence in the fire suppression industry.

Conclusion

At Viba Industries Pvt. Ltd., we are committed to protecting lives and property with our innovative fire suppression solutions. With a legacy of excellence and a vision for the future, we continue to lead the way in fire safety technology.

Client list



VIBA INDUSTRIES



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