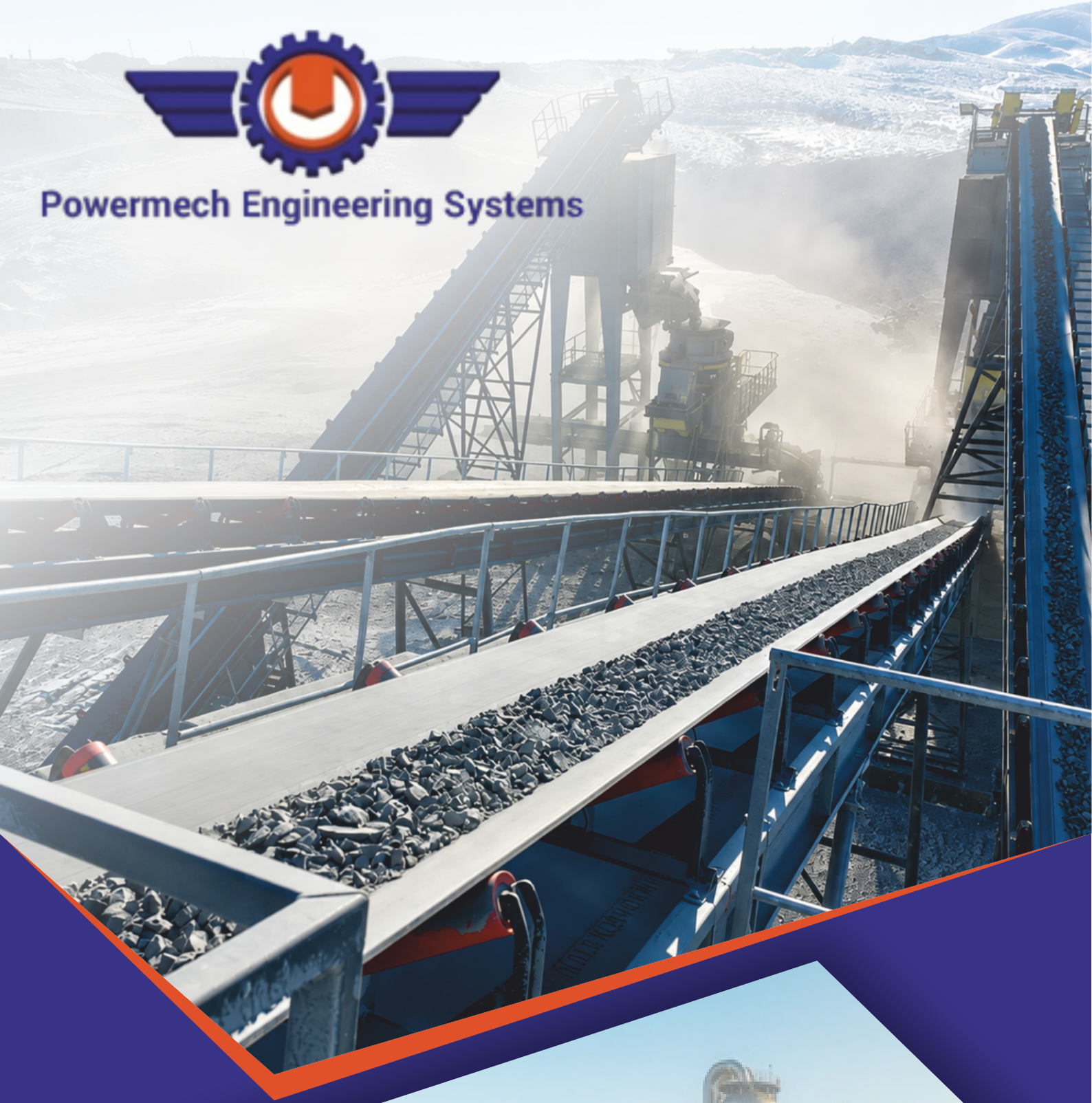




Powermech Engineering Systems



**MOVING INDUSTRIES FORWARD WITH
INTELLIGENT AUTOMATION.**



www.powermech.com

About Us

Powermech Engineering Systems, established in 2018, is a leading manufacturer, exporter, and supplier of advanced material handling and automation solutions. We specialize in delivering customized systems for industries such as power, cement, logistics, minerals, steel, fertilizers, and process industries.



Our Mission

- To deliver excellence in Products and Services through establishment of latest Quality Management Systems and production technologies.
- To add value to every individual and organization associated with us.
- To create a working environment based on Principles, Ethics and Values.
- To encourage team effort and enhance individual performance.

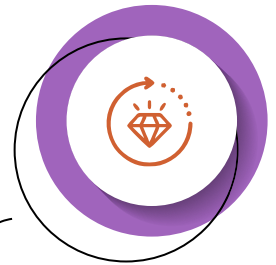
Quality Policy

We are committed to maximize customer satisfaction by offering Superior Quality products, timely deliveries and Services. We are also committed to strive to achieve organizational excellence in manufacturing practices through continual improvement and maintaining high quality standards. We are also committed to quality life of our employees within company and outside by creating an environment that will allow personal and professional development based on Principles, Ethics and Values.



Our Vision

To become the most trusted, respected and preferred organization for our Customers, Suppliers, our Employees through Integrity, Honesty and Commitment to deliver quality product.



Why Choose Powermech Engineering Systems



Complete Turnkey Solutions



Design to Commissioning Support



Customized Plant Layouts



ISO 9001:2015 Certified



Automation & PLC Integration



20000 SQ.FT Factory Unit



Experienced Design & Engineering Team



Cost-Effective & Energy Efficient



OUR SERVICES

MATERIAL HANDLING SYSTEMS

Belt Conveyors

Belt Conveyors have achieved a dominant position in bulk material handling industries due to their cost-effectiveness, operational safety, reliability, and versatility. They are widely used across industries for transporting materials over long distances with minimal maintenance and high efficiency.

- ✓ Energy-efficient & economical
- ✓ Troughed & flat belt types
- ✓ Horizontal / inclined / declining
- ✓ Safe & reliable operation
- ✓ Smooth continuous material flow
- ✓ Low maintenance design



Shuttle Conveyors

Shuttle Conveyors are advanced material handling systems designed for uniform distribution and controlled discharge of bulk materials across multiple storage points. These conveyors are widely used in industries where material needs to be distributed along a straight line or across various bins, stockpiles, or hoppers.

- ✓ Bi-directional movement for efficient distribution
- ✓ Heavy-duty construction for long life
- ✓ Compact design for space-constrained installations
- ✓ Uniform loading & unloading across multiple points
- ✓ Smooth & controlled material discharge
- ✓ Low maintenance & reliable performance





Traveling Tripper Conveyor System

The Traveling Tripper Conveyor System is a highly efficient material handling solution designed for uniform distribution, stockpiling, and controlled discharge of bulk materials along the length of a conveyor. It is widely used in industries where materials need to be discharged at multiple locations such as storage yards, bunkers, or silos.

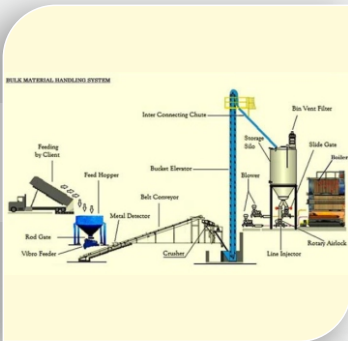
- ✓ Complete design, manufacturing & supply
- ✓ Safe, efficient & continuous operation
- ✓ Robust construction for heavy-duty applications
- ✓ Optimized for minimal maintenance & long life
- ✓ Customizable solutions based on plant requirements
- ✓ Seamless integration with boilers & fuel feeding systems



Coal & Fuel Handling System

Our Coal & Fuel Handling Systems are designed to provide efficient, reliable, and safe handling of coal, ash, and other fuels across various industries. We offer complete turnkey solutions including design, manufacturing, and supply of handling systems tailored to meet specific operational requirements.

- ✓ Complete design, manufacturing & supply
- ✓ Safe, efficient & continuous operation
- ✓ Robust construction for heavy-duty applications
- ✓ Optimized for minimal maintenance & long life
- ✓ Customizable solutions based on plant requirements
- ✓ Seamless integration with boilers & fuel feeding systems



Ash Handling Systems

Our Ash Handling Systems are designed to ensure safe, efficient, and dust-controlled handling of ash generated from boilers and thermal processes. We offer complete turnkey solutions including design, manufacturing, and supply of ash handling systems tailored to meet diverse industrial requirements.

- ✓ Complete design, manufacturing & supply
- ✓ Efficient & dust-free operation
- ✓ Handles fly ash & bottom ash
- ✓ Custom-designed solutions
- ✓ Heavy-duty construction for long life
- ✓ Low maintenance & high reliability



Wet Scraper Conveyor

Wet Scraper Conveyor is a specialized material handling system designed for collecting and conveying hot, abrasive materials in high-temperature environments. It is widely used for handling materials such as bagasse, clay dirt, coal, fly ash, and slag, ensuring safe and efficient disposal.

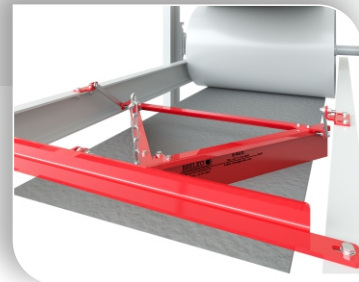
- ✓ Handles hot & abrasive materials
- ✓ Water-filled system for cooling & dust suppression
- ✓ Double strand chain arrangement for enhanced strength
- ✓ Low linear speed for highly abrasive materials
- ✓ Robust construction for long life
- ✓ Suitable for continuous heavy-duty operation



V-Plough Scraper Conveyor

V-Plough Scraper Conveyor is a specialized system designed for controlled material discharge and belt cleaning in conveyor systems. The V-shaped plough arrangement allows material to be evenly discharged on both sides, making it highly effective for distribution and spillage control.

- ✓ V-shaped plough design for uniform discharge
- ✓ Efficient & material diversion
- ✓ Heavy-duty construction for continuous use
- ✓ Reduces material carryback & belt wear
- ✓ Easy installation and low maintenance
- ✓ Suitable for various bulk materials



Belt Weighing System

A Belt Weighing System (also known as a belt scale) is designed to provide continuous and accurate measurement of bulk materials being conveyed on a belt conveyor. It plays a crucial role in monitoring production, controlling processes, and improving operational efficiency in various industries.

- ✓ Real-time flow rate & totaliser weight
- ✓ Rugged design for harsh environments
- ✓ Digital display & control interface
- ✓ Low maintenance & long service life
- ✓ Easy integration with existing conveyors
- ✓ High accuracy & continuous material measurement



Conveyor Pulleys, Idlers & Brackets

We manufacture and supply a complete range of Conveyor Pulleys, Idlers & Brackets designed to ensure smooth, efficient, and reliable operation of belt conveyor systems. These critical components play a key role in maintaining belt alignment, supporting load, and enhancing overall conveyor performance.

- ✓ Heavy-duty construction for long life
- ✓ Precision-engineered for smooth belt movement
- ✓ Corrosion-resistant materials
- ✓ Low maintenance & high reliability
- ✓ Minimizes belt wear and tear
- ✓ Standard & custom designs available



Screw Conveyor

Our Coal & Fuel Handling Systems are designed to provide efficient, reliable, and safe handling of coal, ash, and other fuels across various industries. We offer complete turnkey solutions including design, manufacturing, and supply of handling systems tailored to meet specific operational requirements.

- ✓ Handles free-flowing & semi-free-flowing materials
- ✓ Controlled discharge & volume regulation
- ✓ MS & SS construction options
- ✓ Compact design for easy installation
- ✓ Low noise & minimal vibration
- ✓ Energy-efficient with low power consumption



Motorized Diverter Gate

Motorized Diverter Gate is a high-performance material handling component designed for controlling and diverting the flow of bulk materials in industrial conveying systems. These gates are engineered to provide smooth operation, accurate material routing, and reliable performance in demanding environments.

- ✓ Vertical transportation of bulk materials
- ✓ Handles powders & lumps
- ✓ Specially designed as per client needs
- ✓ Wear-resistant liners
- ✓ Heavy-duty continuous operation
- ✓ Low maintenance & long service life



Bucket Elevator

These systems are widely used for handling materials such as cement, coal, limestone, powder chemicals, grains, polymers, and other bulk materials. Our bucket elevators are designed with advanced engineering principles to provide smooth operation, minimum noise, low power consumption, and reduced maintenance requirements.

- ✓ Vertical transportation of bulk materials
- ✓ Handles powders & lumps
- ✓ Specially designed as per client needs
- ✓ Low noise & optimized power consumption
- ✓ Robust construction for long life
- ✓ Low-cost maintenance



Drag Chain Conveyors & Feeders

Drag Chain Conveyors & Feeders are specially designed for the continuous and controlled feeding of bulk materials in industrial applications. These systems are widely used for handling materials such as coal, limestone, clinker, and other bulk materials where accurate material flow control is required.

- ✓ Continuous & controlled feeding
- ✓ Accurate volumetric measurement
- ✓ Variable speed drive system
- ✓ Hopper & bunker ready
- ✓ Handles flood feed conditions
- ✓ Low noise & low power consumption



Pug Mill / Ash Conditioner

Pug Mill / Ash Conditioner is an advanced material conditioning system designed for mixing recovered dust, ash, and fine particles with liquids to control dust emissions and enable safe transportation. These systems are widely used in industries where pollution control and material recovery are critical.

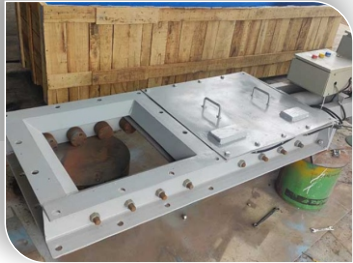
- ✓ Efficient mixing of dust, ash & liquids
- ✓ Dust suppression & pollution control
- ✓ Safe handling & transportation
- ✓ Closed-loop material recovery
- ✓ Heavy-duty continuous operation
- ✓ Recovery of valuable elements (lead, iron, copper)





Slide Gate & Sector Gate

Slide Gates & Sector Gates are industrial flow control equipment designed for effective shut-off, isolation, and regulation of gases, air, and bulk materials in heavy-duty process applications.



Portable Conveyor

Our portable conveyors are designed with a lightweight yet heavy-duty structure, ensuring easy transportation, reliable performance, and efficient material handling.



Bag Stacking Conveyor

Motorized Diverter Gate is a high-performance material handling component designed for controlling and diverting the flow of bulk materials in industrial conveying systems.



Truck Loading & Unloading System

Available in hydraulic and non-hydraulic configurations, our systems are designed for easy movement, high load-carrying capacity, and reliable performance in various industrial applications.



Bag & Box Handling Systems with Automation

Bag & Box Handling Systems with Automation are designed to provide complete solutions for the automatic movement, handling, and transfer of bags and boxes across industrial operations.



Industrial Conveyor Spares

Motorized Diverter Gate is a high-performance material handling component designed for controlling and diverting the flow of bulk materials in industrial conveying systems.



BULK MATERIAL HANDLING

Raw Material Handling System (RMH)

Raw Material Handling System (RMH) is an integrated solution for the receiving, conveying, storage, and controlled feeding of raw materials, ensuring smooth material flow and efficient plant operation.



Overland Conveyor System

Raw Material Handling System (RMH) is an integrated solution for the receiving, conveying, storage, and controlled feeding of raw materials, ensuring smooth material flow and efficient plant operation.



Traveling Tripper Conveyor System

This system enhances operational flexibility by enabling continuous movement of the tripper unit, ensuring precise material placement and optimized storage management.



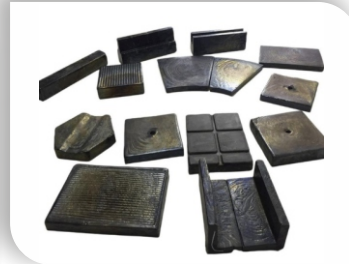
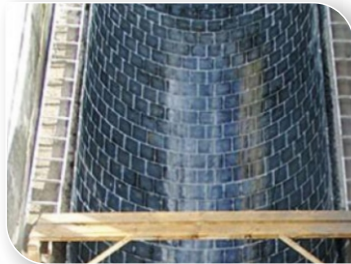
Plumatic Conveyor System

A Plumatic Conveyor System is an advanced material handling solution designed for the transportation of powdered, granular, and fine bulk materials through pipelines using controlled airflow.



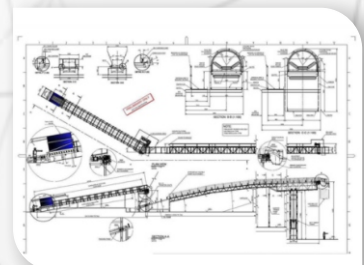
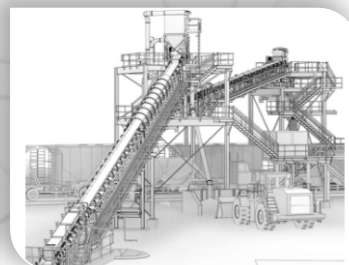
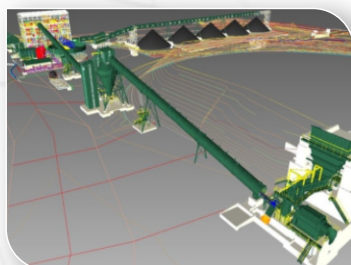
CAST BASALT

Our RMH systems are engineered to provide reliable operation, optimized material flow, and efficient plant performance across various industries. An integrated material handling solution designed for the receiving, conveying, storage, and controlled feeding of raw materials used in industrial processes.



DESIGN & ENGINEERING SERVICES

Powermech provides complete Design & Engineering services for material handling systems, processing plants, and industrial equipment. Our experienced engineering team develops efficient, reliable, and customized solutions based on specific project requirements, plant layout, material characteristics, and operational needs.



INDUSTRIES WE SERVE



Steel Industry



Power Plants



Cement Industry



Logistics &
Warehousing



Fertilizer Industry



Paint Industry



Mining & Minerals



Sponge Iron &
DRI Plant



Pulp & Paper
Industry

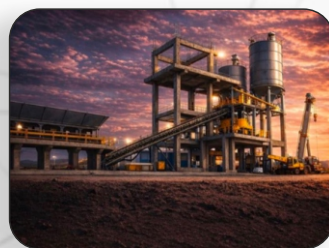
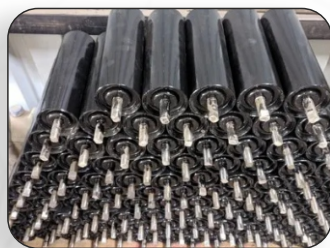
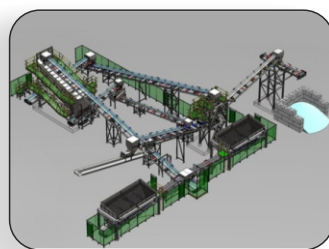


General Power
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OUR PRODUCT GALLERY



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Powermech Engineering Systems

**TRANSFORMING MATERIAL MOVEMENT
WITH SMART SOLUTIONS.**

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