

**POWEROL<sup>®</sup>**

**ACCESSORIES**

India's Leading Make in India  
manufacturer of superb quality Silo  
Accessories established in Chennai.

INDIA'S CONSTRUCTION MACHINERY MANUFACTURER

[www.powerol.com](http://www.powerol.com)

# ACCESSORIES



## BULKER UNLOADING PNEUMATIC SYSTEM

Powerol offer pneumatic conveying systems for cement bulker unloading. Twin lobe high volume low pressure blower makes it easy to unload the bulkers within an hour.



## CEMENT FEEDING PUMP

Cement Feeding pump are heavy-duty, screw-type pneumatic pumps. These pump systems are most commonly used to convey dry, free-flowing, pulverized cement materials which is in Bags to the Silos. It is the most versatile and speedy method of transferring bulk material from one point to another within a defined area.



## SCREW CONVEYORS

The Screw Conveyor is a reliable tool for dust-free and weatherproof transport of bulk materials. Mechanical conveying via our reliable Screw Conveyors is ideal for horizontal or inclined movement of dry granulated materials like Cement, Fly Ash & GGBS.



## BELT CONVEYORS

Powerol offers a wide range of belt conveyors products that are specially designed to withstand the abrasiveness of aggregate, from our rugged design, to our durable belt cleaners, to a variety of loads and with high safety features.



## GROUND MOUNTED DUST COLLECTOR FILTER/ BAG HOUSE FILTER

We offer advanced-technology baghouse filters and cartridge dust collectors and a variety of filter media that conquer the challenges of our both concrete and asphalt industry. And our filters design uses Lower operating pressure drop thereby reduces energy costs and lower operating noise. The advanced pulse cleaning further reduces maintenance and operating costs.

## MOBILE STEEL SKID FOUNDATION FOR CEMENT SILOS

Powerol takes pride in announcing that it is the first manufacturer in India to introduce steel skid foundation. The innovative design of the mobile steel skid foundation ensures faster installations reduce operational cost with easier transportation together with the silos. Mobile steel foundation is a key need in the industry since it allows installation of cement silos on flat ground without any requirement for concrete slab or columns foundation.



## SILO ACCESSORIES

We have ready availability of Butterfly Valves, Pressure Relief Valves, Bin Aerators, Electric Vibrator, Paddle Level Sensors



## BITUMEN TANKS

Horizontal tanks are generally the preferred tanks supplied with capacities from 10 to 60 m<sup>3</sup> are available. Fitted with integral heat transfer coils and automatic temperature control valves. Variations in levels of Thermal heaters, tank insulation, tank maintenance access, stirrers and agitation equipment options are available.



## BITUMEN SPRAYER

Powerol folding type bitumen sprayer has the bar length of 2.40m extendable upto 4.20m with a total of 19 spray nozzles which are high in quality and each nozzle has a spraying capacity of 6 l/min. The nozzles can be individually regulated so as to customize and uniform spraying. High quality hoses withstanding high spray pressure assures operator tension free spraying. The spray bar can be moved right left and even up down mechanically.

## POWEROL CONCRETE PLANT AUTOMATION

The Powerol "Alpha Intelligent Systems" business unit makes available the latest advances in digital technologies adapted to the concrete production and transit mixers. We present you with new ways of working and managing that will make your business more profitable, increase your production capacity and reduce the level of uncertainty. Comprehensive centralised automation of various plants and the operation of your facilities, management platforms accessible from any device.

### BIG DATA

Gathering and managing the data of your units, operators and customers to help you make decisions and resolve problems.

### ARTIFICIAL INTELLIGENCE

Processing data with mathematical algorithms to anticipate situations and propose actions.

### VIRTUAL REALITY

Using virtual and augmented reality to train staff and manage your plants better.

### AUTOMATIC LEARNING

Units that learn about their activity and that of other units on their own, improving their performance.

### DIGITAL TWINS

Training and research, with no additional load on your units and anticipating the results before you make an investment.

### CLOUD COMPUTING

Managing your systems anywhere and from any device; a different business approach.

## STATE-OF-THE-ART TECHNOLOGY AT THE SERVICE OF YOUR BUSINESS.

Powerol provides you with the components you need during the digital transformation of your company. Supply, installation and training for your managers and employees; we make things easy for you.



### SOFTWARE

A full range of applications to cater to your needs. Management, production, maintenance, fleets



### EQUIPMENT

Leading brand components to achieve the full digital transformation of your company. From cutting edge PLCs to video-conference equipment.

## ADVANCED CONCRETE PRODUCTION CONTROL AND AUTOMATION SYSTEM

Alpha Unit provides you with the most comprehensive concrete batching plant production management solution. A system that provides an offer to each and every one of your needs throughout the manufacturing process.

**YOUR PLANT WILL NEVER BE THE SAME AGAIN WITH OUR ADVANCED AUTOMATION SOLUTIONS.**

**Boost your profits.** Replace your manual processes, optimising your operations to save time, resources and costs.

**Increase your visibility.** Quickly and easily check the status of your production plant, almost at a glance. You can make more accurate predictions and assign resources more efficiently.

**Find solutions with a proactive approach.** Save time, resources and materials, addressing the situation before it becomes a problem.



### ACHIEVE A CONSTANT QUALITY

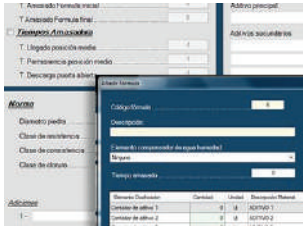
With the automation of the ALPHA, you can guarantee constant quality levels easily, ensuring the trust and satisfaction of your customers; therefore, you can increase your efficiency and profitability.



### SIMPLIFY YOUR PROCESSES

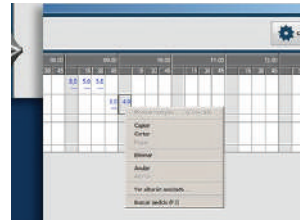
Automating means simplifying; simplifying means saving time, preventing problems, improving performance and increasing the satisfaction and trust of your operators.

# A COMPREHENSIVE SYSTEM THAT ALLOWS YOU TO CONTROL PRODUCTION AUTOMATICALLY, FROM START TO END.



## CREATING AND MANAGING MIXTURE RATIOS

Key and special formulations, without limits and with the option to make changes at anytime.



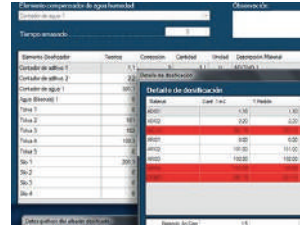
## PRODUCTION PLANNING

Optimise your planning processes, based on logs and with the help of artificial intelligence systems. Make the most out of your facilities.



## CONCRETE MIX AND DOSAGE

Control your production processes at all times and detect problems, even before they occur.



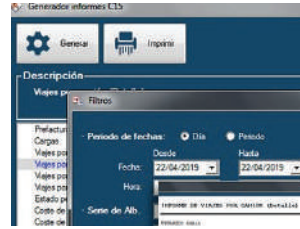
## QUALITY CONTROL

Control the quality of the products you manufacture at all times, as the means to earn the trust of your customers.



## SALES MANAGEMENT

Integrate the production reports and logs in your sales planning processes and optimise you business strategies.



## MONITORING AND REPORTS

A noteworthy competitive advantage, thanks to the comprehensive reports of ALPHA, which will help you prepare your strategic planning processes.

## PERFORMANCE FEATURES

A GOOD END PRODUCT GUARANTEES HIGHER PROFITS. MAKE SURE YOU PRODUCE A GOOD END PRODUCT.

### MIXTURE RATIO CONTROL

- Creation and filing
- Changes and variations
- Multi-department classification
- Logs

### PRODUCTION CONTROL

- Production control
- Batch management
- Concrete mix and dosage
- Special concrete

### SALES CONTROL

- Delivery note management
- Distribution management
- Shipment control
- Cost control

### DIGITAL TWINS

K2 includes "Digital twin", an exclusive digital twin service for your plant, in which you can train, conduct tests and undertake R&D work without interrupting or requiring the intervention of the units in operation.

### BACKUP COPIES

"Frumecar Secure Data", automated backup copy service for all of your data and to ensure your peace of mind. Included with no additional charge in our FRUMECAR CLOUD management system.

### REMOTE ASSISTANCE

You will receive our assistance at all times, regardless of the type of incident. K2 features a remote assistance service, from which we can monitor your units in real time and provide you with the advice you need.

## MAJOR CORPORATIONS

K2 CENTRAL. CENTRALISED OPERATION FOR ALL OF YOUR PLANTS, CONTROLLED FROM A SINGLE CONTROL PANEL.

If your business manages different concrete batching plants in different locations, you can now manage them all as a single plant.

- JOINT OR INDEPENDENT OPERATION AND MANAGEMENT, ACCORDING TO YOUR NEEDS
- ALL OF THE FUNCTIONS OF K2 OPERATING IN COORDINATION

## POWEROL

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