



ARYAN EQUIPMENT
PVT LTD.

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Manufacturer of Welded Silo / Bolted Silo

Screw Conveyors | Dust Collectors | Butterfly Valves | Pressure Relief Valves

Vibrating Bin Aerator Pads

ABOUT

Aryan Equipment is an innovative solutions provider serving a wide range of industrial segments, including RMC plants, cement, fly ash, micro silica, GGBFS handling, and aggregate & sand handling.

We collaborate closely with engineering, construction, and ready-mix concrete companies to overcome complex operational challenges by designing, manufacturing, and executing advanced equipment and solutions.

With strong engineering expertise and project management excellence, we bring innovation to our clients' processes, ensuring efficiency, reliability, and maximum return on investment in every project.

We focus on:

- Process optimization & automation
- Lower expenditure
- Improved efficiency
- Faster ROI
- Longevity



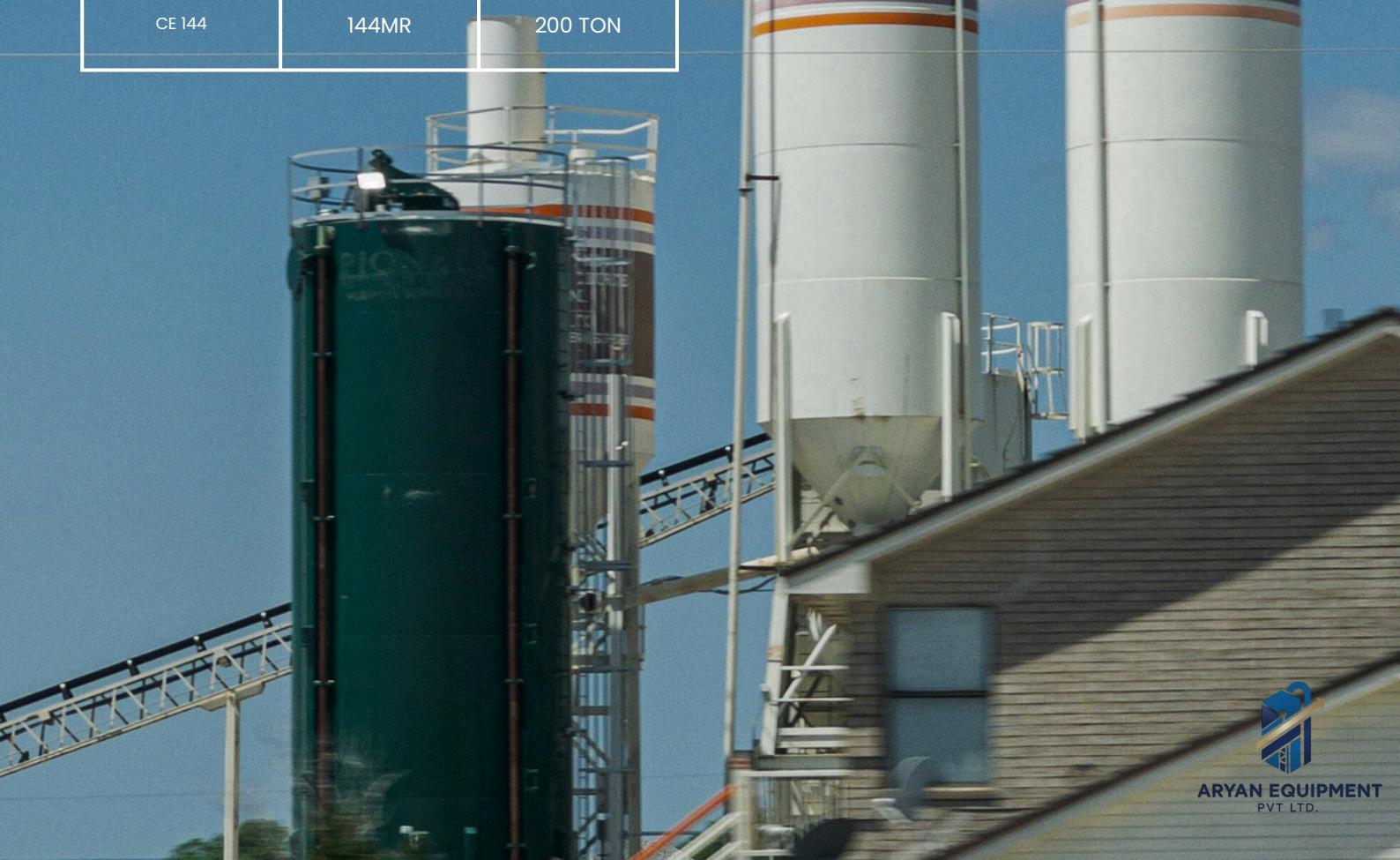
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WELDED CEMENT SILO

Aryan Equipment offers high-quality welded cement silos designed for medium to large storage requirements. Built in carbon or stainless steel, these silos ensure rapid, safe on-site installation and can be used for both solids and liquids. They are easily transportable via standard road trailers, making logistics efficient and cost-effective.

Each silo can be equipped with a wide range of premium, globally available accessories such as ladders, roof rails, valves, and filters—ensuring safety, reliability, and customer satisfaction. In addition, our silos can be fully customized to match client preferences, including color, branding, and other specifications.

CE 35	35MR	50 TON
CE 42	42MR	60 TON
CE 72	72MR	100 TON
CE107	107MR	150 TON
CE 144	144MR	200 TON



HORIZONTAL SILOS

Aryan Equipment's Horizontal Silos—also known as Mobile or Low-Level Silos—are designed for high productivity and versatility, making them ideal for storing powders, ashes, granules, and pellets. Perfectly suited for mobile plants, they offer significant advantages over traditional vertical storage systems:

- Self-erecting with telescopic legs, no crane required
- Quick setup and dismantling
- Easy transport via road trailers or container boxes
- No civil works or installation permissions required
- Minimal environmental impact

Manufactured in carbon or stainless steel, these silos can also be internally divided into multiple compartments, enabling the storage of different materials within a single unit. Widely used across industries including ecology, recycling, and industrial chemistry, our silos are delivered with premium accessories such as valves, filters, and other globally available components for maximum efficiency and reliability.

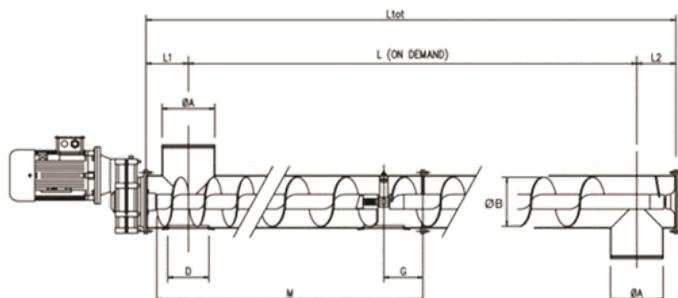
Each silo can be fully customized to client specifications, including color, branding, and additional personalization options, ensuring a solution tailored to every need.



SCREW CONVEYOR

Aryan Equipment provides tubular screw conveyors designed for handling dry, inactive powders—most commonly used for conveying cement in concrete batching plants. Available in standard sizes ranging from Ø168 mm to Ø323 mm, these conveyors come equipped with direct drive units and RM gearboxes with standard ratios of 140, 200, and 240 rpm.

For specialized needs, we also offer customized options including low-ratio drives, long-life seals, anti-wear flights, and specially engineered designs for abrasive or high-temperature materials—ensuring durability, efficiency, and reliable performance.



TYPE	ØA	L1	L2	L	L1+L2+L
CSF168	168	185	165	On Demand	L1+L2+L
CSF193	193	182	180		L1+L2+L
CSF219	219	200	180		L1+L2+L
CSF273	273	200	215		L1+L2+L
CSF323	323	225	230		L1+L2+L



SILO ACCESSORIES



1.DUST COLLECTORS

Our dust collectors feature a cylindrical body design that can be mounted either on top of silos or installed at ground level with an electric blower and collecting hopper. With a filtering capacity of 24 sqm, they are equipped with POLYPLEAT round-type filter elements to effectively separate dust from the airflow. Globally recognized as a reliable solution for bin and silo venting, these filters are purpose-built for handling cement, fly ash, and other dry powders.

Key Design Features

- Weather-protection fibre cover with hinges and self-locking mechanism, supported by an air spring.
- Robust stainless steel (SS304) body with bottom flange and powder-coated carbon steel bottom ring for silo welding.
- Ready ex-stock delivery for faster project execution
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Product Range

- VT Dust Collector – Mounted on top of the silo; filter element cleaned using a vibratory motor.
- RJT Dust Collector – Mounted on top of the silo; filter element cleaned by compressed reverse air jet.
- RJJ Dust Collector – Ground-mounted with electric blower and collecting hopper connected to the silo via piping; filter element cleaned by compressed reverse air jet.
- VG Dust Collector – Ground-mounted with electric blower and collecting hopper connected to the silo via piping; filter element cleaned using a vibratory motor.



Engineered for efficiency, durability, and convenience, our dust collectors are the trusted choice for cement plants, fly ash systems, and other applications involving fine dry powders.



2 . BUTTERFLY VALVE

VFS Butterfly Valves consist of two high-pressure aluminium alloy die-cast semi-bodies, a polymer composite or GB cast iron swivel disc, and a pre-stressed elastomer seal

3 . PRESSURE RELIEF VALVE

Pressure Release Valve are used the discharge the high pressure in the cement silo. Those valves start to run when the pressure value reaches the pre-set pressure limit value. Those valves are the equipments that keeps the pressure in the cement silo in desired values and prevent the cement silo.



SILO ACCESSORIES



4 . LEVEL INDICATOR



Function

The ILT Bin Level Indicator ensures precise monitoring of bulk solids. When material reaches the measuring paddle, its rotation is blocked, indicating a full level. Once the material falls below the paddle radius, rotation resumes, automatically activating connected system components. Designed for use with powdery and granular materials, these indicators can be mounted on the top or side of the silo/bin. They are suitable for materials with bulk densities ranging from 0.5 t/m^3 (0.02 lb/cu in) to 2 t/m^3 (0.08 lb/cu in).

Features

- Multivoltage design for flexible integration
- Stainless steel contact parts for durability and hygiene
- Options for high- and low-temperature applications
- Multiple process connection variants
- ATEX-certified for safe operation in hazardous environments

Benefits

- Quick and hassle-free installation
- Cost-efficient solution for bulk solid measurement
- Reliable and consistent performance
- Wide selection of paddle designs for various material densities



5 . VIBRATING BIN AERATION PADS

The Vibrating Bin Aerator Pad is designed to tackle even the toughest material flow challenges by combining aeration with vibration. As compressed air passes through the durable rubber pad, it generates strong vibrations along the vessel wall, effectively loosening material build-up and preventing blockages. This dual-action system ensures a steady, reliable flow of all types of dry bulk materials, making it an ideal solution for silos, hoppers, and bins.



6 . SILO PNEUMATIC CONTROL PANEL

The Electropneumatic Control Panel comes equipped with a filter regulator and starter, ensuring smooth and efficient operation of dust filters. Designed for durability and easy installation, it includes a suitable cable, mounting bracket, and complete hardware kit for hassle-free setup and reliable performance.



SILO FEEDING SYSTEM

BULKER UNLOADING SYSTEM

Aryan Equipment offers high-performance Bulker Unloading Units designed for efficient unloading of bulk materials such as cement, fly ash, gypsum, and other fine powders. Engineered with precision and built using quality-assured components and advanced manufacturing techniques, these systems deliver reliable performance while reducing dependency on compressor-mounted bulkers.

Available in multiple configurations and specifications, the system is adaptable to meet the evolving requirements of diverse industrial applications.

Key Features & Specifications

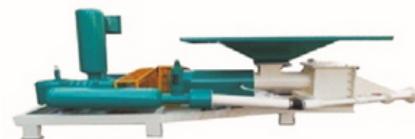
- High performance & durability for continuous operations
- Equipped with quality, high-volume, and high-performance electric motors (40 HP / 50 HP / 60 HP)
- Low-pressure operation for safe and efficient unloading
- Integrated advanced electropneumatic control panel for easy operation
- Fitted with manual butterfly valves for main line and bulker unloading control
- Precisely engineered design ensuring consistent flow and minimal downtime



DUAL CEMENT FEEDING SYSTEM

With years of industry expertise, Aryan Equipment delivers a robust and reliable Cement Feeding System designed to meet the demanding needs of the construction and allied industries. Built with high-grade components and advanced mechanical engineering, this system ensures efficient cement handling while fully complying with international quality standards.

Available in a wide range of technical specifications, our Cement Feeding System is engineered for precision, durability, and cost efficiency, making it the ideal choice for diverse industrial applications.



Key Features

- Precisely engineered with durable finish standards
- Rugged construction ensuring long-lasting high performance
- Adjustable vibrating force for hassle-free operation
- Dust- and pollution-free functioning for a cleaner work environment
- Versatile and energy-efficient, with low power consumption
- Smooth, user-friendly operation with minimal maintenance
- Strong and stable design for vibration-free performance

INCLINED AND VERTICAL SCREW SILO FEEDING SYSTEM

Aryan Equipment also offers vertical and inclined screw feeding systems designed for efficient cement bag feeding into silos. Compared to conventional pneumatic bag or bulk feeding systems, these screw feeders require significantly lower electrical load for the same feeding rate, making them a cost-effective and energy-saving solution.

With their robust design and efficient operation, these systems deliver reliable performance while reducing overall power consumption—ensuring maximum tons per unit of electricity used.



SCREW CONVEYOR SPARES PARTS

SCREW CONVEYOR GEAR REDUCER

Aryan Equipment supplies high-performance Screw Conveyor Gearboxes, specially designed for feeding and conveying cement and filler dust in concrete batching plants. Built for reliability and durability, these gear reducers ensure smooth operation even under demanding conditions.

The gear reducer specifications are available in GB45, GB47, and GB49, suitable for screw conveyors and feeders with diameters of 168 mm, 219 mm, 273 mm, and 323 mm.

Our CSF and FSF screw conveyor gear reducers are fully interchangeable with any standard screw conveyor gearbox, offering flexibility, compatibility, and ease of replacement.



INTERMEDIATE HANGER BEARING FOR CEMENT SCREW CONVEYOR

This aluminum spiral suspension shaft is designed for screw conveyors with diameters of 168 mm, 219 mm, 273 mm, and 323 mm.

- Installation Position: Fits between the inner tubes of the screw conveyor
- Function: Provides stable support and ensures secure connection between two inner tubes
- Housing Material: High-quality aluminum for lightweight strength
- Drive Shaft Material: Durable steel for long service life and reliable performance



INTERMEDIATE HANGER BEARING FOR FLYASH, GGBS, LIME SCREW CONVEYOR

The spiral suspension shaft is designed for screw conveyors with diameters of 168 mm, 219 mm, 273 mm, and 323 mm.

- Installation Position: Mounted between the inner tubes of the screw conveyor
- Function: Supports and securely connects two inner tubes, ensuring stable and efficient operation
- Housing Material: High-strength ductile iron for durability and reliability
- Drive Shaft Material: Robust steel for long service life and consistent performance



SCREW CONVEYOR SPARES PARTS

OUTLET END BEARING ASSEMBLY

The end bearing is designed to provide stable support for the inner tube at the discharge end of a screw conveyor.

- Function: Supports the inner tube and acts as a fixed end for smooth and reliable operation
- Specifications: Available in four sizes – 168 mm, 219 mm, 273 mm, and 323 mm
- Installation Position: Mounted at the discharge end of the screw conveyor
- Housing Material: High-strength ductile iron for durability and long service life



INTERNAL SCREW

The internal screw is designed to efficiently transfer material from the inlet end to the outlet end of a screw conveyor.

- Function: Moves bulk materials smoothly along the conveyor from one end to the other
- Specifications: Available in four sizes – 168 mm, 219 mm, 273 mm, and 323 mm
- Installation Position: Mounted inside the hollow pipe of the screw conveyor
- Material of Construction (M.O.C.): Durable cast iron
- Drive Shaft Material: Strong steel for reliable performance



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DUST COLLECTOR SPARES

FILTER CARTRIDGES

Our Silo Top Filters are ideal for use in cement silos and hoppers, ensuring efficient dust collection and cleaner operations.

The filter media is made of high-quality spun-bonded polyester, available in standard, anti-static, or PTFE finishes. Custom lengths are also available to suit specific requirements.

Trust Aryan Equipment for reliable, durable, and high-performance dust filters, crafted from premium filter media to deliver consistent results across all applications.



ELECTRIC VIBRATOR

Our Silo Top Filters are ideal for use in cement silos and hoppers, ensuring efficient dust collection and cleaner operations.

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