

MortarMaster

HORIZONTAL

CEMENT SILOS

MortarMaster CS27B

Compact Horizontal Cement Silo

Overview

The CS27B is a fully welded, container-sized horizontal cement silo delivered as a complete system. It comes equipped with a cement discharge cone, injection and inlet ports, pressure relief valve, vibrators, dust collector, support legs, lifting devices, and a control unit.

Sized exactly like a 20ft container, it's easy to transport, assemble, and can also be mounted on a bogie or flat rack trailer.

Designed for free-flowing materials such as Portland cement (bulk density 1.13 t/m³), the CS27B is a compact yet powerful storage solution for construction projects.



Key Features & Advantages

Compact Containerized Design

Fits exactly into a 20ft container, simplifying logistics and reducing shipping costs.



Reliable Material Flow

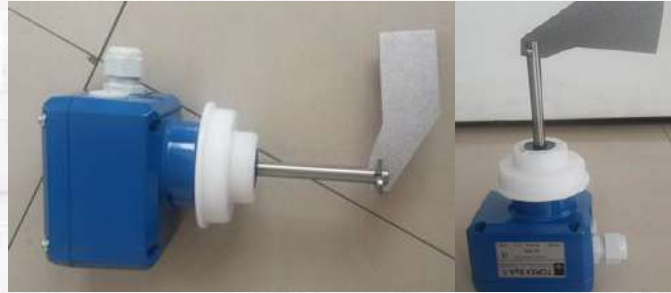
Equipped with 6 OLI-WOLONG vibrators to prevent cement bridging and hardening.

MortarMaster CS27B

Compact Horizontal Cement Silo

Accurate Level Monitoring

6 rotating level indicators provide clear signals for both maximum and minimum fill levels.



Efficient Cement Discharge

Bottom screw conveyor (219 mm, 45t/h capacity, 5.09m length) ensures continuous cement flow.

Advanced Control System

SIEMENS/Schneider electrical components with alarms and indicator lights for easy monitoring.

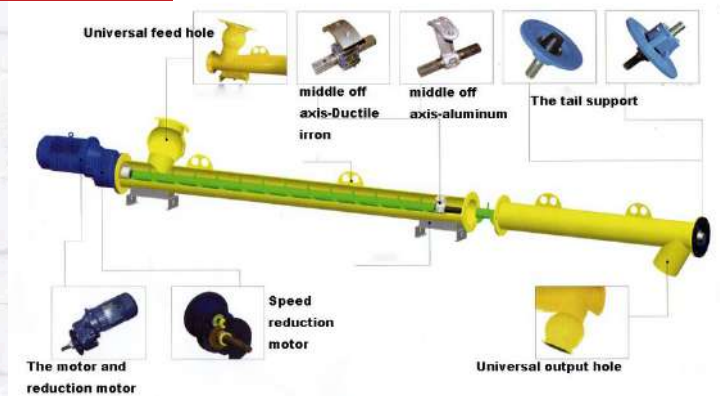


Air compressor (Power: 3 KW)

Supply power to flow aid device aerator

Slant screw conveyor (optional)

Easily connects to a screw conveyor for direct feeding into mixers or other equipment, with optional slant conveyor customized to project needs.



MortarMaster CS27B

Compact Horizontal Cement Silo

Applications



- Mobile and small-scale concrete batching plants.
- Infrastructure projects with space limitations.
- Projects requiring modular, container-based solutions.
- Temporary or seasonal batching sites.



Technical Data



Volume

27 m³ / 35 tons

Dimensions

6058 x 2438 x 2591 mm (20ft container size)

Weight

4,150 kg

Material

Manganese Plate

Power

7.5 kW (screw conveyor) + 3 kW (air compressor)

Warranty

1 year

Transport

As one 20ft container

Maintenance Height

1,080mm

MortarMaster CS40B

High-Capacity Horizontal Cement Silo

Overview

The MortarMaster CS40B is built for high-capacity cement storage, delivering up to 72 tons of material in a single container-sized silo. Its size and durability make it the go-to solution for continuous operations such as ready-mix plants, precast factories, or large infrastructure projects.

Equipped with 12 level indicators, 24 vibrating aerators, and a heavy-duty WAM-brand screw conveyor, the CS40B is engineered for smooth, uninterrupted material handling. Its stackable design also enables multi-level setups for projects with limited ground space.



Key Features & Advantages

Large Volume, Heavy-Duty Design

Ideal for projects requiring high storage capacity without frequent refilling.



Advanced Dust Collection System

Air-jet type collector with self-cleaning filters and efficiency $\geq 99.9\%$.

MortarMaster CS40B

High-Capacity Horizontal Cement Silo

Comprehensive Level Monitoring

12 paddle-type level indicators ensure accurate monitoring at every stage.



Smooth Cement Flow

24 vibrating aerators and a bottom screw conveyor (323 mm × 11 m, 22 kW, WAM brand).



Stackable Construction

Silos can be safely stacked up to 5 layers, saving space on crowded job sites.



Intelligent Control Cabinet

SIEMENS/Schneider components with customizable language options.

Versatile Discharge Options

Pneumatic butterfly valves (250–300 mm) with both manual and automated options.



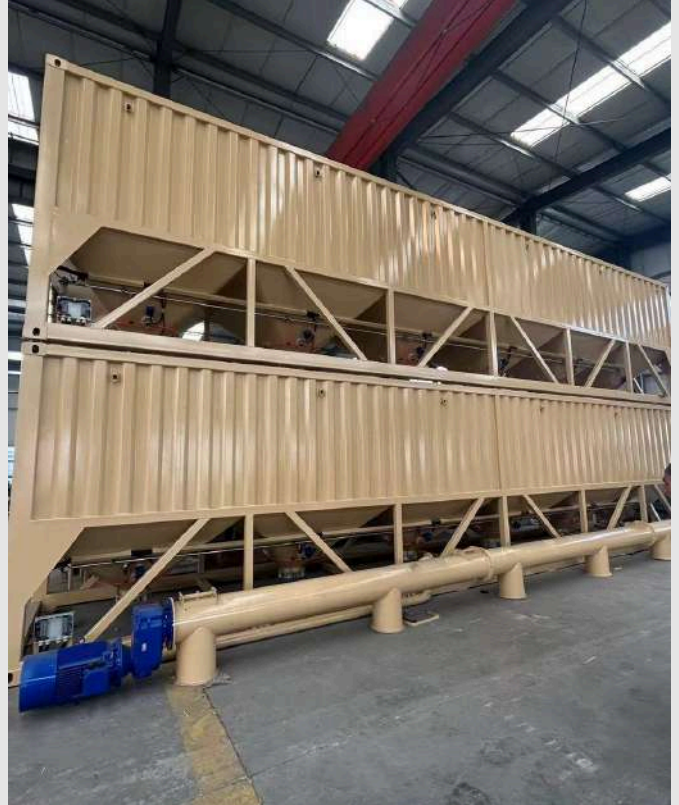
MortarMaster CS40B

High-Capacity Horizontal Cement Silo

Applications



- High-volume ready-mix concrete plants.
- Infrastructure megaprojects.
- Long-term industrial batching operations.
- Precast concrete production facilities.



Technical Data



Volume

45 m³ / up to 72 tons

Dimensions

12,200 × 2,438 × 2,895 mm (40HQ container size)

Weight

9,200 kg

Material

3 mm body, 4 mm cones (Manganese Plate)

Power

32 kW total

Support Legs

1.7 m (customizable)

Transport

As a 40HQ container

MortarMaster CS35B

Mobile Horizontal Cement Silo

Overview

The MortarMaster CS35B combines storage capacity with on-site mobility. Mounted on wheels, this horizontal cement silo can be moved around job sites with ease (when empty), providing unmatched flexibility for dynamic construction environments. It comes equipped with a weighing system, discharge screw conveyor, pressure relief valve, and dust collector, ensuring safe and efficient operation wherever it's stationed.



Key Features & Advantages

Wheel-Mounted Mobility

Easily relocates across construction sites (note: not movable when loaded).



Advanced Dust Collection

Air-jet type dust collector ($\geq 99.9\%$ efficiency, $\geq 1500 \text{ m}^3/\text{h}$ capacity).

MortarMaster CS35B

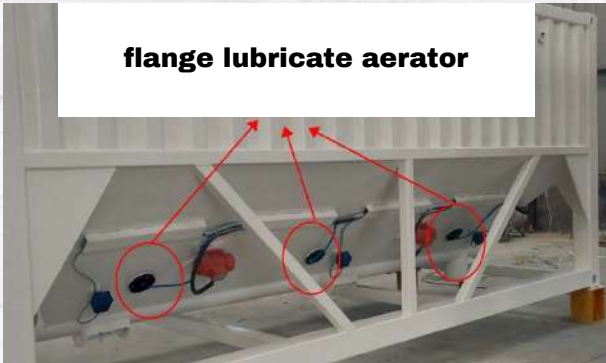
Wheeled Horizontal Cement Silo

Safe Pressure Control

Pressure relief valve automatically balances pressure changes during loading/unloading.



flange lubricate aerator



Arch-Breaking System

Prevents cement clumping for uninterrupted discharge.



Flexible Discharge Options

Horizontal screw conveyor (219 mm, 45t/h capacity) with optional slant conveyor.



Reliable Electrical System

SIEMENS/Schneider control cabinet with alarms, indicators, and emergency alerts.

Compact & Transportable

Designed to fit in standard shipping containers for easy logistics.



MortarMaster CS35B

Wheeled Horizontal Cement Silo

Applications



- Road construction projects requiring frequent site relocation.
- Infrastructure works spread across multiple zones.
- Projects with limited space for stationary silos.
- Short-term or mobile batching plants



Technical Data



Volume

27 m³ / 35 tons

Dimensions

8274 × 2492 × 4060 mm

Weight

6.7 tons

Max Speed

40 km/h (when empty)

Discharging Height

Customizable

Transport

Fits into one 40HQ container



OUR OFFICES

Headquarters (Singapore)

11 Buroh Street, 627550 Singapore

W: www.acme.com.sg

T: +65 6862 2332

E: info@acme.com.sg

Representative Office (Vietnam)

*VCCI Building, 9th Floor Room 902. 171, Vo Thi Sau Street
Ward 7, District 3, Ho Chi Minh City, Vietnam*

W: www.acme.com.sg

T: +84 8 39326413

E: info@acme.com.sg