

Manufacturer of Concrete Batching, Mining, & Quarrying, Blending & Asphalt Equipment



Mobile train arrangements
Wheatstone Project WA
1 Portabatch, 3 x 75T mobile silos, 1 auxiliary weigh hopper



Newman Iron Ore Mine WA
1 Portabatch, 1 x 75T mobile silo
1 auxiliary weigh hopper

Option to upgrade to feed a continuous mixer to produce cement treated base or backfill paste as well as a twin shaft mixer to produce pre-mixed concrete. The computer control system is WiFi connected between the trailer and the Portabatch allowing quick removal of the trailer (in 30 minutes) and the batching of concrete from the Portabatch.



Portabatch being transported to site



4-bin trailer, Portabatch and mobile silo set up

CMQ has supplied over 150 Portabatch plants to companies throughout Australia and overseas. Portabatches have worked on a majority of mine and project sites worldwide. All are still operating, they are extremely reliable and robust while simple to operate and maintain.

A Portabatch is a complete front end loader fed concrete batching plant mounted on a specially designed chassis. The plant can be towed by a standard prime mover without escort.

No requirement for craneage. Mobilisation and Demobilisation 2-3 hours.

Produces 70-75m³/hr – 10 loads per hour.



Portabatch 50T silo



Portabatch on site at Grosvenor Coal Mine



Portabatch on site at Far Western QLD

Comprises:

Cement storage silo 50T capacity:

- Overfill protection
- Reverse pulse filter ducted to 1.0m from the ground
- Folding silo hand rails
- Wind up ladder access to silo roof
- Two quick release silo inspection hatches on the roof
- Shedder angle mounted above silo horizontal screw
- Sliding shut-off plate above the horizontal screw allows the screw to be emptied for transport and maintenance, with product remaining in silo.

Aggregate weigh hopper volume 12m³ (8.5m³ batching capacity) designed for free flow without bridging:

- Mounted on load cells
- Flanged discharge gates have sealed bearing pivots
- Removable LED weight indicator with sun shade for ease of view.

Cement weigh hopper 4.9T capacity:

- A shedder plate above discharge screw
- Two auxiliary inlets for additional storage silos
- Reverse pulse dust filter.

Water storage tank 8000 litres capacity:

- High capacity water pump and 80mm delivery line
- Water controlled by pulse meter
- Delivery line also allows for additional external water supply.

Discharge conveyor 750mm wide belt:

- A rubber lagged head drum with dust suppression sprays mounted around the discharge hopper
- Spring tensioned belt scraper
- Low maintenance heavy duty conveyor belt take up.

Chassis is specially designed with triaxle assembly complying with ADR38 Australian Standards:

- Six (6) manual wind down legs for leveling machine
- Oversize sign, flashing light and four (4) oversize flags mounted on corners.

Electricals and control

- Electrical wiring using steel wire armoured cable
- Wired to comply with AS3000-2007 and AS3007-2004
- Removable control panel with 20m lead
- Control circuitry is 24V DC
- Electrical wiring to coal mine specification MDG15 (Optional)
- Touch screen control panel available.

Generator 80kVA, mounted in an acoustic enclosure.

Air Compressor 28CFM.

Remote grease lines mounted on the chassis.

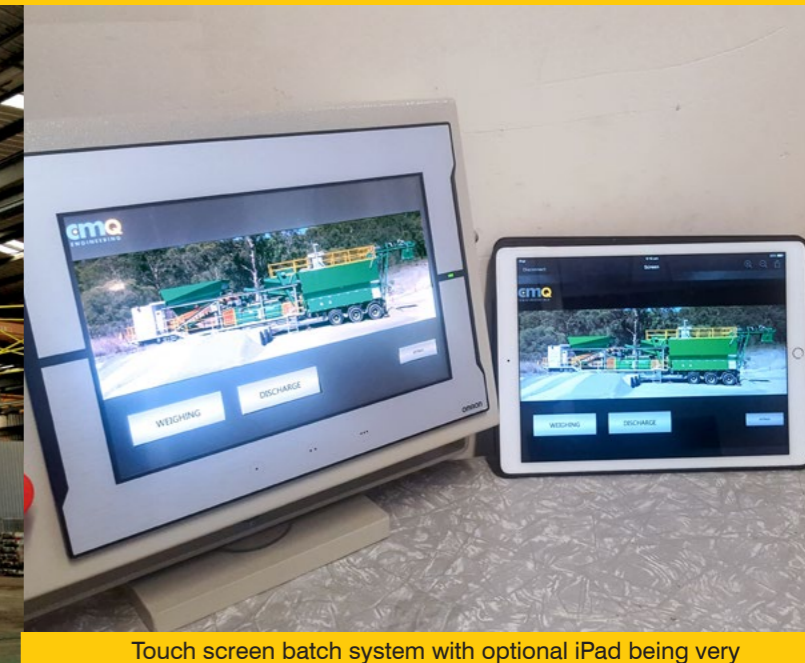
Optional extras



Platform and ladder for access to genset and CWH filter



A folding truck loading bay cover – travelling position



Touch screen batch system with optional iPad being very useful for the loader driver (one man plant)



Cement weigh hopper filter access



A folding truck loading bay cover – operating



Removable manual panel



Pneumatically operated folding hand rails operated from the ground



Electrically operated wind down leveling legs



Queensland registration