



Australia's Leading Supplier of Volumetric Proportioning and Continuous Mixing Systems



www.volumetric.com.au

Volumetric Concrete Australia



Company Profile

Volumetric Concrete Australia brings Innovation coupled with continued improvement to a vast array of tasks performed by the Civil, Mining and Construction Industries in Australia, the Pacific Islands and South East Asia.

When you invest in quality, you can be sure to receive quality. Volumetric Concrete Mixers, both mobile and stationary, from Volumetric Concrete Australia are the best on the market, and come with our guarantee of excellence.

Whether you are undertaking small tasks or large construction projects, VCA's range of Volumetric Mobile Mixers and Batching Plants are ideal for any type of job.

Volumetric Mixers are available in various capacities ranging from 2.29m³ to 10m³



Volumetric Mixer 10m³



Volumetric Mixer 7.6m³



Volumetric Mixer 4.5m³

All configurations for Volumetric Mixers are treated on an individual basis and can be tailored to the customer's requirements. Volumetric Mixers are an adaptable mobile plant which will suit most conditions. The versatility to produce to the client's requirements on site, on time and with no wastage is a step forward in minimising impacts upon the environment with the added advantage of reducing construction time and cost.

VCA Benefits

There are many benefits and advantages of buying a Volumetric Mixer from Volumetric Concrete Australia. At VCA we go well over and beyond the normal industry offering to ensure a smooth, knowledgeable and hassle-free experience for all our customers:

- ✦ You will receive an advanced built, superior quality Volumetric Mixer made by the World's largest manufacturer of Volumetric Proportioning and Continuous Mixing Systems;
- ✦ Our Extensive Training Program is included in the price
- ✦ 12 month Comprehensive Service and Maintenance Program
- ✦ Our units are specified for Australian conditions and are constructed to full safety standards
- ✦ We'll supply you with a network of sand/aggregate suppliers equipped to load your volumetric unit
- ✦ You have the opportunity to become an accredited CTS Rapid Set High Early Strength Concrete supplier;
- ✦ Our Volumetric Mixers, used in conjunction with the CTS Rapid Set High Early Strength Cement have been proven and used on major projects, some of which include:
 - ✓ Sydney Airport
 - ✓ Melbourne Airport
 - ✓ Qantas
 - ✓ NSW Roads and Maritime Services (previously the RTA)
 - ✓ QLD Roads Authority
 - ✓ VIC Roads
 - ✓ RailCorp NSW
 - ✓ Private Industry
- ✦ Our Volumetric Mixers will conform to the Australian Standard for Mixer Uniformity
 - ✓ The **Only Volumetric Mixers in Australia** to meet this standard;
- ✦ A full suite of spare parts can be readily accessed;
- ✦ VCA provides you with many years of hands on experience both locally and Internationally in concrete manufacture and supply with Volumetric Mixers

Comprehensive Service and Maintenance Program

Comprehensive Service and Maintenance Program

Our comprehensive service and maintenance is a "second-to-none industry-leading" program that will ensure many years of trouble free operation.

This comprehensive program includes:

- ✦ 12 months service program* which includes:
 - ✓ Four comprehensive services carried out on your unit completed by one of our fully trained and approved technicians
 - ✓ One brand new full set of wear blades
 - ✓ One brand new full set of rubber components for the auger
- ✦ All other required parts are supplied at cost price
- ✦ Our Service Managers are on hand around the clock for any service or maintenance assistance that you may require
- ✦ Visual Reference Library including videos on:
 - ✓ Start Up - Operation
 - ✓ Calibration
 - ✓ Mix Design Calibration Software Tool
 - ✓ Maintenance
 - ✓ Yield Testing
- ✦ Comprehensive Customer Service Manuals outlining:
 - ✓ Start Up
 - ✓ Calibration and Mix Setup
 - ✓ Operation
 - ✓ Maintenance
 - ✓ Best Practices
 - ✓ Troubleshooting
 - ✓ Parts

* Parts not included

* Charges apply for servicing outside Sydney metro area



VCA Volumetric Mixer Advantages

- ❖ Manufactured by the world's largest manufacturer of volumetric proportioning and continuous mixing systems
- ❖ Produce fresh concrete on demand, anytime, anywhere
- ❖ Up to 30% decrease in concrete cost utilizing the same raw materials
- ❖ Alter the mix design within minutes
- ❖ Complete control over batching, mixing, engineering specifications and delivery
- ❖ Reduced manpower and downtime = increased profits
- ❖ Very quick set up time
- ❖ Accurate volumes = no under ordering or over ordering
- ❖ Eliminate stale loads
- ❖ Reduced wastage – produce as much or as little as you need
- ❖ Less than 1% wastage – due to the production and operating process
- ❖ Several loading locations to minimize travel times
- ❖ Produce a wide range of products
 - ✓ All standard concrete
 - ✓ Grout mixes with sand and cement
 - ✓ Pervious concrete with stone and cement
- ❖ Quick and easy to clean the unit
 - ✓ Low maintenance costs
 - ❖ Machines built to many different specifications
 - ❖ No minimum load charges
 - ❖ No "returned concrete" charges
 - ❖ No cold joints
 - ❖ Complete control over your costs and profits
 - ❖ Can produce rapid set concrete, shotcrete, slurry mixes, latex modified concrete and more
 - ❖ Many different application options i.e. decorative, colour, fibre, pozzolan, liquids

FEATURES

❖ AGGREGATE BIN

- ✓ VMMB approved mixer meeting ACI 304. 6R and AASHTO M-241 and ASTM C-685 Standards with full length aggregate trough provide square strike-off of sand and stone ensuring an accurate mix.
- ✓ Engineered welded bin supports and wide aggregate belt with polyethylene bin guides and stainless steel lacer provides hours of trouble free production.
- ✓ Calibrated Heavy duty rack and pinion gate controls allow for quick and easy settings resulting in precise metering of aggregates.

❖ WATER SYSTEM

- ✓ Front mounted Corrosion and UV resistant poly propylene water tank provides water supply for concrete production.
- ✓ Tank is baffled to provide stability during transportation and eliminate shift in load.
- ✓ Hydraulic powered water pump, flow control valve, water meter and quick acting stainless steel globe valve gives operator precision control of water and appropriate water/cement ratio.

❖ CEMENT SYSTEM

- ✓ Cement bin with weather tight hatch and bag breaking grate makes loading quick and easy, giving the capability to provide richer mix designs for customers, without running out of cement before aggregate.
- ✓ Poly carbonate view window allows you to visually monitor level of remaining cement and exclusive CTI dual auger cement feed system delivers exact amounts of cement required for your mix design.

❖ HYDRAULIC SYSTEM

- ✓ High volume, low pressure hydraulic system with 208 litre tank (other sizes available) allows for continuous, safe and smooth operation without overheating. Hydraulic pressure gauges included for easy maintenance.
- ✓ Hydraulic hoist with lock valve provides operator and employees a safe work area.

❖ MIX AUGER

- ✓ Advanced high energy mixing auger
- ✓ Engineered pump master auger with box beam mixer frame
- ✓ Mix auger is equipped with replaceable NI HARD wear blades and reverses for quick and easy clean out.
- ✓ Iron man sealed bearing system for mixing auger
- ✓ Wide chain driven conveyor belt material delivery system with auto chain oiler

❖ AIR SYSTEM

- ✓ Electronically controlled pneumatic, adjustable vibrators ensure and provide an accurate flow of material.
- ✓ Adjustable electronic timer cube allows you to set the time of vibration proportionately to your aggregates.



Extensive Training Program

You'll never be left wondering what to do, as our extensive training program encompasses everything you need to get started and move forward in confidence using your new Volumetric Mixer and growing your business opportunities. Our training program covers:

Management training

- ❖ Basic understanding of concrete mix designs
- ❖ Introduction to basic Mix Design Techniques
- ❖ How to access information relating to Concrete Technology
- ❖ VCA will provide assistance with prospective customers, where possible, to assist in marketing and increasing sales

Opportunities in relevant markets

- ❖ Introduce you to different uses for Volumetric Mixers and the different areas they can be used in;
 - ✓ E.g. Soil Remediation and Stabilisation.

Calibration of units

- ❖ Training you how to calibrate the Volumetric Mixer and setting up for projects.
- ❖ Records, setting up the unit etc

Maintenance

- ❖ Provide you with training to identify high wear areas
- ❖ Designing your own maintenance schedules
- ❖ Trouble shooting

Operation

- ❖ Training in how to operate your Volumetric Mixer with confidence

Clean up procedures

- ❖ Training in the "what and how" the Volumetric Mixer is cleaned after each use

Visual Reference Library including videos on:

- ❖ Start Up - Operation
- ❖ Calibration
- ❖ Mix Design Calibration Software Tool
- ❖ Maintenance
- ❖ Yield Testing

Comprehensive Customer Service Manuals outlining:

- ❖ Start Up
- ❖ Calibration and Mix Setup
- ❖ Operation
- ❖ Maintenance
- ❖ Best Practices
- ❖ Troubleshooting
- ❖ Parts

Unit Commissioning

- ❖ VCA will attend your first project in the Sydney metropolitan area to commission your new volumetric unit.

Training Facility

- ❖ You have the opportunity to utilise our Training Facility for more advanced training, as well as group training



Testimonials

VCA's Volumetric Mobile Concrete Batching Plant ensured the CTS Rapid Set Concrete exactly matched the pump trial batch with a minimum of wastage. "The system is designed around cost benefits by saving time and minimising waste. Most importantly, the system is designed for all concreting jobs, The Mixers are ready to be deployed at any time, which gives us the luxury of having concrete when and where we need it.

RailCorp NSW

Sydney International Airport invited Volumetric Concrete Australia to perform slab replacement works on the East West Runway 25. The concrete was produced using Volumetric Mobile Mixers from Volumetric Concrete Australia, rather than the traditional concrete mixers. Subsequently VCA won an award through the Civil Contractors Federation and another award through the Australian Concrete Repair Association for the works carried out.

Sydney Airport Corporation Limited

The concrete pours were done with Volumetric Concrete Australia's 10m³ capacity Volumetric Mixer. Over the three separate pours, the average time of mixing and discharge of each cubic metre of concrete was about 3 minutes. The road was open to heavy traffic in less than 3 hours.

Roads and Maritime Services (RMS)

VCA successfully complete all facets and requirements with the desired outcomes. The project was completed in a timely manner with resumption to normal traffic earlier than expected, five (5) hours. Instead of a number of days. The Manildra Group thoroughly recommends the services that Volumetric Concrete Australia provides and will be utilizing the Concrete Repair System in the near future at a number of our depots.

The Manildra Group

The model purchased in mid 2008 has proven to be a worthwhile investment. Seovic Civil Engineering has been able to expand the services we provide and improve productivity. The ease of operation and the versatility of the unit have proven to be a worthwhile and profitable investment.

SEOVIC Civil Engineering

Awards



Volumetric Concrete Australia

19-21 Cann Street, Guildford NSW 2161
Phone: 02 9632 1900, Fax: 02 9892 1825
Email: info@volumetric.com.au

www.volumetric.com.au