

CMI
ROADBUILDING INC.



DRY & WET MIX

CONCRETE PLANTS



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CMI ROADBUILDING BACK ON THE ROAD

CMI Roadbuilding is a heavy equipment manufacturing company, offering products and solutions within the Road Building, Construction and Waste Management sectors.

Since 1929 CMI Roadbuilding's legacy brands have been at the forefront of technology development in the Road Building, Reclamation and Compaction industries.

CMI Roadbuilding manufactures a broad range of asphalt plants, concrete plants, grade preparation, concrete paving and pavement profiling products along with landfill and soil compactors.

The company serves the following industries:

- Grade preparation and compaction
- Road construction and maintenance
- Asphalt milling and recycling
- Surface treatment
- Landfill compaction
- Asphalt and concrete mixing

CMI strives to provide customers with a complete, end to end solution in the road building, civil infrastructure and waste handling sectors utilizing R&D, engineering expertise and many years' experience. We aim to manufacture products with optimum efficiency and reliability throughout their life cycle and to provide the very best performance and value from commissioning to after-market service and support.



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FACILITIES

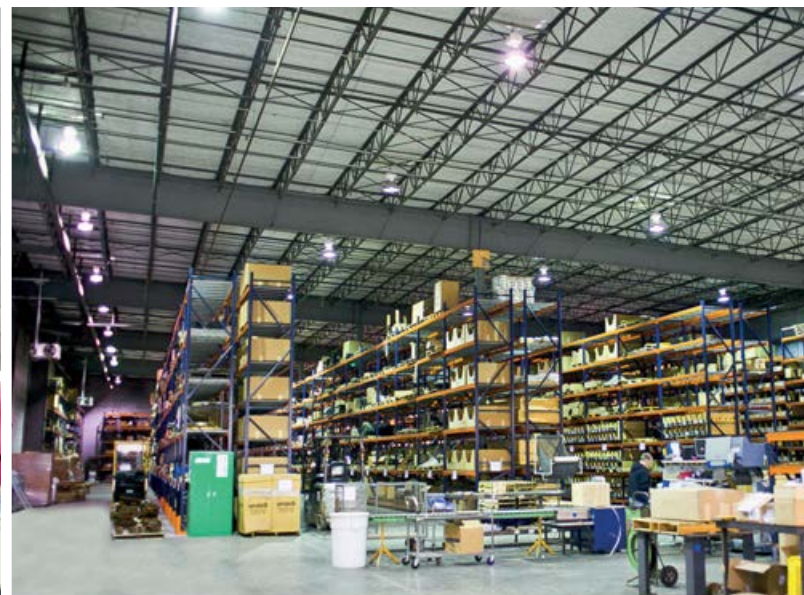
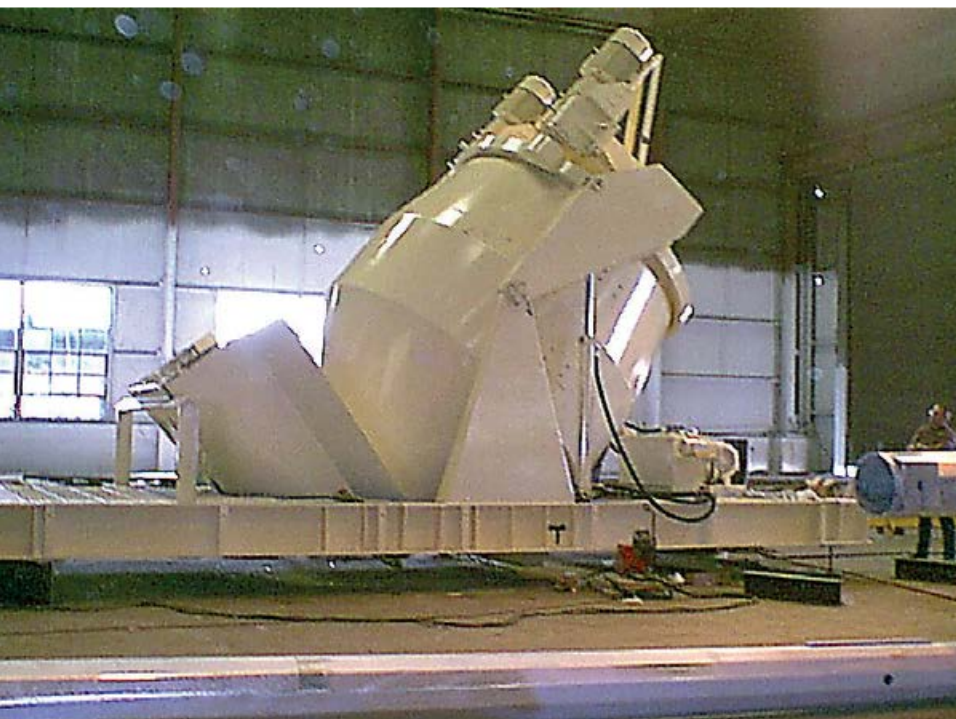
CMI's headquarters for North, Central and South American, sales, engineering and product support operations is a 58,000 ft² modern building in Oklahoma City, USA.

CMI is dedicated to maintaining end users' uptime and machine availability. CMI's centrally located headquarters is constantly stocked with a wide range of replacement parts ranging from advanced electronic microprocessor controllers to heavy-duty drum flighting, drag conveyor chain, air cylinders and replacement seals, belts, sheaves, and more.

The CMI new, large well equipped parts warehouse has ample space to keep all parts in-doors out of the weather to ensure high quality surfaces and reliability, free from water intrusion or sunlight damage and ready to install on your equipment.

Staffed by a team of dedicated professionals, CMI's headquarters are easy to reach by customers around the world.

CMI utilizes all of today's communication media to ensure we are easy to contact including toll free land line telephone, dedicated email addresses for parts and product support, facsimile machine, video conferencing, mobile phone and will-call service for our local customers and dealers.



Captions

- Opposite top:* Main fabrication facility.
- Opposite far left:* "Ross" tilt mixer during assembly.
- Opposite left:* Hydraulics bay & electrical assembly bay.
- Above top:* Head office and parts distribution facility.
- Above right:* Offices.
- Left:* Parts warehouse.



BANDIT 5

PORTABLE CONCRETE BATCH PLANT

Highly versatile 5 yd³ concrete batch plant, designed to be set up on concrete slab or steel columns. Affordable, portable and easily operated, the Bandit 5 is perfect for smaller jobs, or to expand your operations into new market areas.

The CMI Bandit 5, highly portable/relocateable concrete batching plant has a maximum batching capacity of up to 100 yd³ (77 m³) per hour based on the time required for a full 5 yd³ (3.8 m³) batch of material to go over the head pulley of the truck charging conveyor at a rate of 19 seconds per yard.

A compact and versatile batch plant, the CMI Bandit 5 is designed from the ground up for rapid set-up and tear-down. Requiring only a small concrete or steel foundation, the Bandit five is one of the most affordable high performance batch plants available.

Highly configurable, the Bandit 5 comes standard with a reliable manual batch control system or optional computer controls. Weighing approximately 25,000 lbs. (11,340 kg) and a travel width of only 8 ft 6 in (2.59 m) the Bandit 5 is the right size for many roadways and remote locations.



OPTIONS

- Computer Control System.
- Moisture probe with mount.
- Three Compartment 'T-Bin' Aggregate bins.
- Two foot bin extension for 27.4 yd³ (20.8 m³) capacity.
- Two foot bin extension for 'T-Bin' for 27.4 yd³ (20.8 m³) capacity.
- Central Dust Collector Package.

Captions
Opposite top: Bandit 5 set atop its concrete foundation.
Opposite bottom: Bandit 5 folded for highway transport.
Above: Hard working Bandit 5 is perfect for confined areas.
Above left: Folded for transport, the compact Bandit 5 is highly portable.

RUSTLER 12

PORTABLE CONCRETE BATCH PLANT

A truly portable concrete batch plant designed to meet today's ready-mix producers' needs for better truck utilization as a highly mobile, self-erecting high performance concrete batch plant.

The CMI Rustler 12, highly portable concrete batching plant has a maximum batching capacity of up to 160 yd³ (122 m³) per hour based on the time required for a full 10 yd³ (7.65 m³) batch of material to go over the head pulley of the truck charging conveyor at a rate of 19 seconds per yard.

Adding to its functionality, the Rustler 12 features a low aggregate charging height of 12 ft 6 in (3.8 m) and a truck charging height of 13 ft 6 in (4.1 m). After separation from the tow vehicle, the cement silo can be elevated in as little as 30 minutes when utilizing the optionally

available hydraulic power package. Coupled with the optional steel foundation pads, the CMI Rustler 12 is the best choice for concrete production in remote sites such as many of today's wind farms, cell phone tower and radio beacon locations.



Captions

Opposite top: Standard configuration Rustler 12 fully raised.

Opposite far left: Rustler 12 showing 180° truck charge access.

Opposite left: Rustler 12 yd³ (9.2 m³) batcher.

Above top: Available in a four bin configuration and optional steel foundation pads.

Above: Rustler 12 folded and ready for transport.

Above right: Rustler configured in an end-to-end arrangement with a complementary 1,600 ft³ (45 m³) auxiliary cement silo.

OPTIONS

- Computer Control System.
- Moisture probe with mount.
- Hydraulic power package with cover.
- Steel foundation pads.
- Three Compartment 'T-Bin' Aggregate bins.
- 1 ft 4 in (0.41 m) bin extension for 32 yd³ (25 m³) capacity.
- 2 ft (0.61 m) bin extension for 'T-Bin' for 42.4 yd³ (32.4 m³) capacity.
- 10 hp water pump.
- 750 g (2,850 L) water tank.
- Central Dust Collector Package.



BANDIT 12

PORTABLE CONCRETE BATCH PLANT

The industry's original single-unit, low profile plant, the Bandit 12 is the universally accepted portable ready-mix batch plant.

The CMI Bandit 12, is a portable/relocateable concrete batching plant which has a theoretical maximum batching capacity of up to 200 yd³ (153 m³) per hour based on the time required for a full 12 yd³ (9.2 m³) batch of material to go over the head pulley of the truck charging conveyor at a rate of 19 seconds per yard.

The single tow-away unit's silo section is hinged so it can be raised into the vertical position and become a complete gravity-feed cement silo and cement batcher. The Bandit 12 is thoroughly tested at the factory, comes complete and can be positioned quickly for ready-mix batching.



Captions
Opposite top: Bandit 12 with bin charging conveyor.
Opposite bottom: Bandit 12 folded for transport.
Above left: Cylindrical compartmentalized cementitious materials silo.
Above: Bandit 12 with multiple cement and other cementitious silos and aggregate bin extensions.

Designed to be set up on a raised concrete foundation or steel leg extensions secured to concrete, the Bandit 12 is the perfect choice for mid-range production requirements. Modular in design, the Bandit 12 can expand both with aggregate and cementitious material storage to meet a variety of concrete mix specifications or increasing market demand.



OPTIONS

- Computer control system.
- Moisture probe with mount.
- Central dust collector package.
- Heaped aggregate storage extension.
- Central dust collector package.
- Radially moveable aggregate bin charging conveyor.
- Cylindrical single or dual compartment cement silo.

UNIROVER 12

PORTABLE CONCRETE BATCH PLANT

The Unirover 12 plant was specifically designed for the concrete paving industry. The Unirover line provides innovations that concrete paving contractors have demanded most; innovations that create a truly self-erecting and portable concrete paving plant.

The Unirover plant consists of a mobile aggregate section and a mobile mixer section, each of which is designed to be positioned on reusable steel foundation pads and hydraulically raised into operating position in minutes. The Unirover plant has integrated cement and fly-ash storage silos and three aggregate storage compartments to meet the high production capacity of 12 yd³ (9.2 m³) tilt-drum mixers.

Both the cement and aggregate accumulative weigh-batchers exceed the CPMB design criteria, which allow for a wide range of mix designs

at rated capacity. The tilt-drum mixer can mix a variety of materials, including Roller Compacted Concrete (RCC), Cement Treated Base (CTB) and "Zero Slump" concretes. These materials have allowed contractors using our concrete paving plants to expand their markets.

OPTIONS

- Computer batch controls.
- Refrigeration type air dryer.
- Dust collector: Bag or cartridge type, mobile or stationary.



Captions
Opposite top: Unirover plant showing optional steel foundation pads.
Opposite bottom: U12 plant setup and ready to go.
Above: Unirover 'Johnson' mixer discharging into end dump truck.
Left: View showing the 'Johnson' mixer elevated.



RAIDER 4

UNITIZED WET MIX CONCRETE BATCH PLANT

Transportable as a single unit the CMI Raider 4 is a highly portable, full featured, low profile central mix concrete batch plant.

Reliable with heavy duty construction, the unitized design of the Raider 4 making it a versatile highly capable concrete plant in a compact package. Highly productive in the standard configuration the Raider 4 is available with options to customize its utility for diverse markets.

Ideal for precast and brick and block applications, the CMI Raider 4 has an extremely roadworthy, self-contained design making it easy to move to multiple locations. Low profile and easy to operate and maintain, the Raider 4 requires little operator expertise making it easy to master and a very cost effective central mix choice.

OPTIONS

- Single or dual drive mixer.
- Abrasion resistant liners on mixer blades.
- Control house configuration- Containerized.
- Computerized batch controls.
- Aggregate bin charging conveyors.



Captions

Top Left: Raider 4 being installed with auxiliary cement silos.
Top right: Close up view of the Raider 4 axle set and material connections.
Above & left: New Raider 4 ready to ship.



OUTLAW 12

WET MIX CONCRETE BATCH PLANT

The CMI Outlaw 12 is available in many different concrete batch plant arrangements each designed to suit all site production requirements.

The sectionalized design allows for any desired aggregate bin and cement silo orientations, with an assortment of batch transfer belts in a low profile configuration.

The Outlaw 12 can be built as a transit or central mix plant. Dual lanes and multiple mixer combinations are also available to meet all production requirements. Each sectionalized unit is factory-fitted to the adjoining unit with installed wiring and plumbing.

OPTIONS

- Computerized plant controls.
- Admixture control.
- Control house configurations.



Captions

Above: Outlaw 12 cementitious material storage and mixer tower section.
Right: Reverse view of cementitious materials and mixer tower showing the aggregate charge conveyor and cement weighing sections.



RANGER 12

PORTABLE WET MIX CONCRETE BATCH PLANT

The Ranger 12 is the ultimate in high-production mobile concrete batch plants for the paving contractor. Its conception was spurred by the interstate program in the 1960s, when 50 miles of paving were being let on one contract at a time and a mobile, highly productive plant was a necessity.

The dual-drum mixer arrangement allowed for twice the production with field-proven Johnson-Ross tilt-drum mixer success. The newly redesigned Ranger 12 includes individual batchers for up to four aggregates, and two cements (overhead) expand the Ranger 12 application to certain "mass pour" projects. The overhead gravity-discharge split-cement silos assure fast and accurate weights and cycle times. The Ranger 12 consists of six main individual mobile units: one aggregate section with a radial-action transfer conveyor; two cement

silos; one cement batcher section; and two 12 yd³ (9.2 m³) tilt-drum mixers. The units can be supported on reusable steel foundation pads, requiring no concrete foundations for the mixers and aggregate sections.

OPTIONS

- Control house configurations: Containerized or Elevated.
- Dust collection configurations.
- Cement fill pipes.
- Charging conveyors.



Captions
Top left: Ranger 12 with bag style dust collector.
Far left: 'Johnson' mixer and frame.
Left: Ranger 12 showing an optional elevated control house.
Above: Aggregate section with charging conveyors from both sides.

CEMENT STORAGE

PORTABLE, SELF ERECTING & VERTICAL STORAGE SILOS

Whether the job requirements are for a self-erecting highly portable cementitious material storage or static high volume storage 'farm' for very large concrete construction jobs, CMI is the best choice.

Critical to any large concrete project is the reliable availability of materials to ensure a continuous flow of high quality finished mixes.

CMI has extensive experience supplying construction companies involved in some of the largest civil infrastructure projects in the world. As such, CMI's extensive product offering of cementitious material storage range in size and functionality. From the totally self-contained and self-erecting R1600 portable silo to large static vertical pig 'farms' numbering more

than a dozen at a single location for large airport paving projects.

All storage products offered by CMI come with a high level of standard equipment, often optional on competitive products. Often considered 'commodity' items, high quality, reliable cement storage systems can make the difference in reliability and therefore, profitability. There are important differences in the details.



Captions
Top left: R1600 59 ton self-erecting silo in transport configuration.
Left: R1600 silo coupled with Rustler 12 creating a drive through for trucks.
Above top: Vertical pig 'farm' for large airport construction job.
Above: 4,665 ft³ (132 m³) capacity vertical pig being transported.



ANCILLARY EQUIPMENT

TILTING DRUMS, CONTROLS SYSTEMS, CONVEYORS ETC.

CMI's impressive line of concrete plants is supplemented by an extensive array of ancillary equipment ranging from three distinct, high performance mixing drums to handy steel foundation pads to keep your plant stable.

Often overlooked when purchasing or upgrading a concrete plant, a thoughtful examination of CMI's extensive offering of ancillary equipment can make your equipment setup and project launch more timely and less costly.

Also available to retrofit to any brand of concrete plant, CMI's engineering staff can adapt many of the ancillary products to your operation whether operating in remote locations or in downtown urban environments.

Captions

Right: Aggregate bin charging conveyor showing the 12 ft x 12 ft (3.66 m x 3.66 m) hopper.

Below left: CMI's 'Johnson' 12 yd³ (9.2 m³) portable tilt mixer folded for transport.

Below right: Fugitive dust hood available for all ready mix plants, fitted here to a Rustler 12.

Bottom left: Non-tilting, reversing, 4.5 yd³ (3.44 m³) mixing drum.

Bottom middle & right: Internal and external view of elevated plant control cabin.



AFTERSALES SERVICE & SUPPORT

Protecting your investment in CMI is important. With decades of experience in supplying remote areas around the globe, we know the significance of construction and landfill equipment uptime.

From the prototype stage through to product improvement and technology update design stages of every product, CMI places the utmost importance on ease of maintenance, component accessibility and simplicity of component removal and replacement.

Centrally located in Oklahoma City, Oklahoma in the USA, CMI Roadbuilding has excellent access to all forms of transportation from railway to overnight air cargo services.

CMI also operates offices in the United Kingdom, providing additional engineering, product support and sales administration to other areas of the world.

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