

CMI
ROADBUILDING INC.



WHEELED & TRACKED

COLD PLANERS



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CMI ROADBUILDING BACK ON TOP

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

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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ROTO-MILL™



FACILITIES

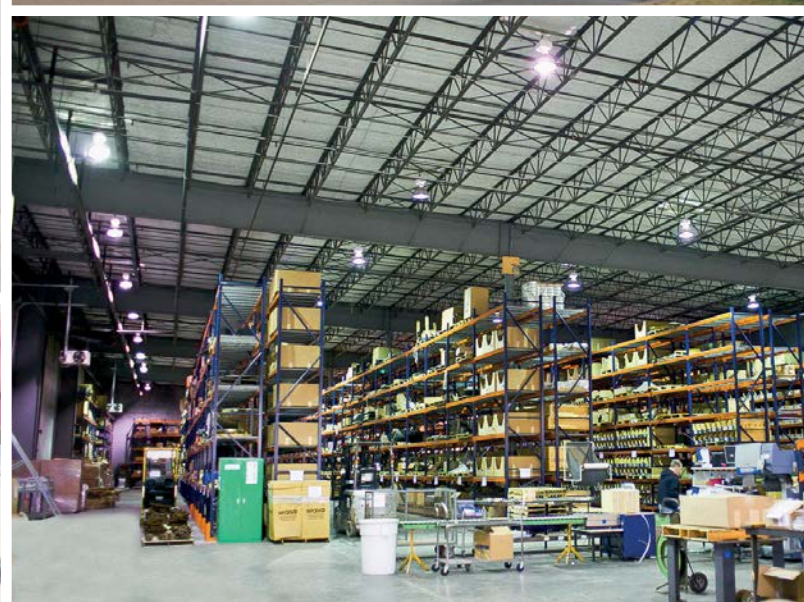
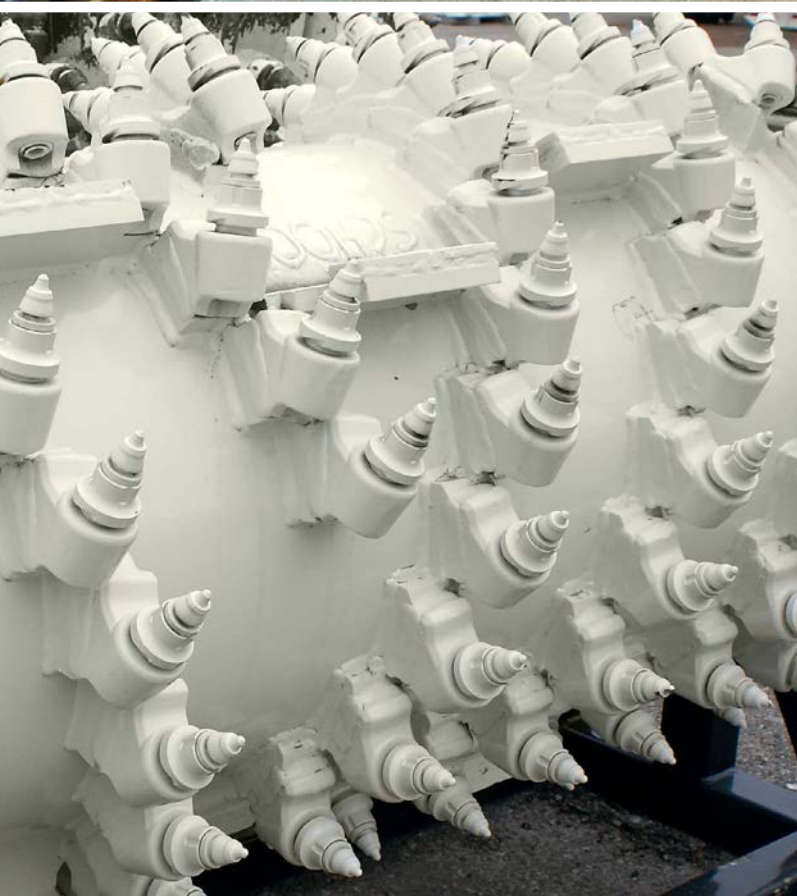
CMI's headquarters for North, Central and South American, sales, engineering and product support operations is a 58,000 ft² modern building in Oklahoma City, USA. Other International markets are supported by CMI's UK office in Bury St Edmunds, UK.

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: Parts distribution center warehouse.
Opposite bottom: Hydraulics & electrical bays.
Above top: Head office and parts distribution facility.
Above right: Offices.
Left: Assembly bay.



ROTO-MILL™ RM-2 / RM-3

WHEELED COLD PLANERS

The CMI RM-2 and RM-3 Roto-Mills perform a wide range of pavement cutting, recycling and removal operations of asphaltic and Portland cement concrete pavements.

Their size and manoeuvrability make them ideal for smaller jobs, such as intersections, cul-de-sacs, shoulder recycling and pavement removal for trenching work. For patching, they can be used for surface removal and mixing of a stabilizing agent with the sub-grade material.

RM-2's standard 24 in (610 mm) and RM-3's 30 in (762 mm) wide cutter drum attachments will cut to 12 in (305 mm) deep and both offer the option for a two-stage, folding, front loading conveyor with 30° swing left and right of center and 12 ft 6 in discharge height for direct truck loading. The center mounted operators seat position provides excellent visibility of work area and cutter drum and ensures the operator's comfort. Four-wheel steering and four-wheel drive let the operator select coordinated steering (front and rear opposite lock), crab steering (front and rear same lock), front only and rear only; and the resulting 8 in (200 mm) cut turning radius is one of the best in the industry.

FEATURES

- Performs a wide range of pavement cutting.
- Removal and recycling operations on Portland cement and asphaltic concrete pavements.
- Size and manoeuvrability make it ideal for smaller jobs, such as intersections, cul-de-sacs, wedge and header cuts, bump and joint removal.
- Bridge decks and shoulder recycling and removal.
- Surface removal and mixing of a stabilizing agent with the sub-grade material.
- The standard 24 in (610 mm) wide cutter drum attachment will cut to 12 in (305 mm) deep and can be used for many of the above applications.



Captions

Above: RM-3 with optional 2-stage front discharge conveyor.
Above right: RM-2 showing centrally mounted modular cutter.
Right: RM-3 optional conveyor has 12 ft 6 in discharge height and 30° swing left and right of center.



ROTO-MILL™ RM-4

WHEELED OR TRACKED COLD PLANER

The CMI RM-4 designed to perform a wide variety of pavement cutting, recycling and removal operations.

The unique parallelogram mounted cutter support structure can accommodate many different types of working attachments so the user can specify cutter drum tool spacing, diameter, width etc., to configure the machine for optimum profitability on each specific task. The main tractor is highly manoeuvrable with its short track base, or optional wheeled configuration and front and rear steering with state-of-the-art cutter control system make it fast and agile.

RM-4's 48 in (1220 mm) wide cutter drum attachments will cut to 12 in (305 mm) deep and the two-stage, folding, front loading conveyor with 55° swing left and 35° swing right of center has a 12 ft discharge height for direct truck loading. The center mounted cutter and rear seat position provides excellent visibility of work area and cutter drum and ensures the operator's comfort. Four-track/wheel steering and four-track/wheel drive let the operator select coordinated steering (front and rear opposite lock),

crab steering (front and rear same lock), front only and rear only. Inside cutting radius with standard cutter is 9 ft 8 in (2946 mm).

FEATURES

- Interchangeable work modules for multiple cutting configurations.
- 4x4 all-track/all-wheel drive, all-track/all-wheel steer, anti-spin control.
- Automatic depth (sonic) controls are monitored and adjusted from the operator's position.
- Front-loading, 2-stage conveyor system.
- Rubber shock mounts isolate the hydraulic tank, fuel tank, operator platform & radiator/cooler.
- Exclusive double-parallelogram rear suspension.



Captions

Top left: Wheeled RM-4 with standard cutter.
Top right: Tracked RM-4 features unique double-parallelogram rear suspension.
Far left: RM-4 conveyor has 12 ft discharge height with 55° swing left and 35° swing right of center.
Left: The RM-4's variable height cutter results in a low profile machine with fixed height legs.

ROTO-MILL™ RM-6

TRACKED COLD PLANER

The RM-6 three or four-track configurations gives it an 8 ft (2,438 mm) turning radius without sacrificing any of the traction needed to pull through deep, wide cuts on challenging terrain.

It's power makes it capable of 14 in (355 mm) deep plunge and the uniquely shaped cutter housing tapers in toward the cutter, both front and back. This smaller V-shaped housing carries substantially less loose material as the RM-6 cuts 86 in (2,184 mm) wide and increases productivity.

The standard 48 in (1,219 mm) diameter bolt-on quick-mount cutter bolts in place and is designed for high production and minimal downtime and an optional heavy-duty cutter with weld-on holders is available. Manoeuvrability is enhanced by steering with a proportional control

joystick that provides four modes; front only; rear only; coordinated (front and rear opposite locks) and crab (front and rear in the same direction) resulting in a 8 ft (2,438 mm) cut turning radius.

A two-stage front discharge conveyor system with 55° swing either side of center features a 15 ft 11 in (4851 mm) discharge height. The conveyor system has infinitely variable speed and reverse capability and dust is suppressed by a standard water spray system and covers.



Captions

Opposite top: High capacity front discharge conveyors.

Opposite bottom: RM-6 has excellent weight to performance ratio.

Top left: Excellent operator visibility.

Top right: Bolt on cutter housing is standard.

Above: 14 in (355 mm) plunge cut capability.

Bottom left: Three and four track variants have excellent manoeuvrability.



ROTO-MILL™ RM-7

TRACKED COLD PLANER

The CMI RM-7 or simply “dash-seven” as industry devotees refer to the machine, continues to set a standard of performance, reliability and end product quality today.

The RM-7 and its predecessor PR800-7, continues to work on a wide variety of projects around the world and remains the ‘go-to’ cold planer for many operators.

Fitted with the CMI three-track configuration, the RM-7 features reliable physical stability and maneuverability with an inside cutting radius of 10 ft (3048 mm) while loading trucks.

The standard 84 in (2134 mm) wide, 44 in (1118 mm) diameter mandrel cuts quickly down to 12 in (308 mm) with 176 tungsten carbide-tipped, snap-in tools. Reclaimed asphalt materials are removed from the cutter housing and loaded onto awaiting trucks via the high-speed tandem

conveyor system featuring 42 in (1066 mm) wide collecting and 36 in (914 mm) wide load-out conveyors. The RM-7 load-out conveyor hydraulically slews a total of 120 degrees or 60 degrees either side of the machine centerline, for timely truck exchanges.

Consistent with CMI's dedication to improve operational profitability for our customers, the RM-7 comes standard with CMI's tried and true Hydra-mation® controls. Easy to understand and maintain, the CMI Hydra-mation® control system remains the preference to many cold planer operators around the world.



Captions

Above & right: RM-7 showing the flush cut on the curb side.
Far right: RM-7 mandrel rear service access.
Opposite: RM-9 with load-out conveyor straight over the front.



ROTO-MILL™ RM-9

TRACKED COLD PLANER

The RM-9 is a high production, 950 hp cold planer capable of a 15 in (381 mm) plunge cut and offering cutting widths of 8 ft 7 in (2616mm), 11 ft 3 in (3429 mm) and 12 ft 6 in (3810 mm).

The Kennametal branded cutter and housing can be changed quickly to offer excellent versatility no matter what the project and are cooled by a high pressure, low volume water system that extends tool life while offering excellent dust suppression.

The RM-9 has excellent manoeuvrability and is available in both three or four track versions both offering four steering modes; front only; rear

only; coordinated (front and rear opposite locks) and crab (front and rear in the same direction) resulting in a 8 ft (2,438 mm) cut turning radius.

A two-stage front discharge conveyor system with 55° swing either side of center and features infinitely variable speed and reverse capability and dust is suppressed by a standard water spray system and covers.





Captions
Top: The RM-9 features 950 hp and cutting widths to 12 ft 6 in (3810 mm).
Opposite left: 43 in (1067 mm) conveyor has 60° left and right swing.
Left middle: Hydraulic rear door allows ground access to cooling package.
Left: Gullwing doors provide excellent access to power pack components.
Above: Cutter door gives great access for tool replacement.



ROTO-MILL™ RM-12

TRACKED COLD PLANER

The CMI RM-12 leads the industry and CMI fleet with more than 1,000 horsepower onboard and a maximum cutter width of 14 feet or more than 4.25 meters. When the job requires total roadway excavation in a single pass, the RM-12 is the industry's best choice.

Retaining the original CMI three-track configuration, the RM-12 is nimble enough to perform in tight quarters while retaining the tractive effort to drive the powerful cutter through the toughest airport runway asphalt pavement.

The standard 12 ft 6 in (3810 mm) wide, 44 in (1118 mm) diameter mandrel cuts quickly down to 12 in (308 mm) with 287 tungsten carbide-tipped, snap-in tools. Recycled asphalt materials are expeditiously removed from the cutter housing and loaded onto awaiting trucks via the

tandem conveyor system featuring 48 in (1219 mm) wide collecting and 42 in (1066 mm) wide load-out conveyors. The RM-12 load-out conveyor hydraulically slews swiftly a total of 120 degrees or 60 degrees either side of the machine centerline, for quick and clean truck exchanges.

Fitting to the RM-12's power and productivity, CMI has engineered endurance into the machine's platform with 1,500 gallons (5678 liters) of water and 450 gallons (1703 liters) of fuel capacity.



Captions
Above & right: The twin engine configuration of the RM-12 allows cut widths up to 14 ft (4.25 m).



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.

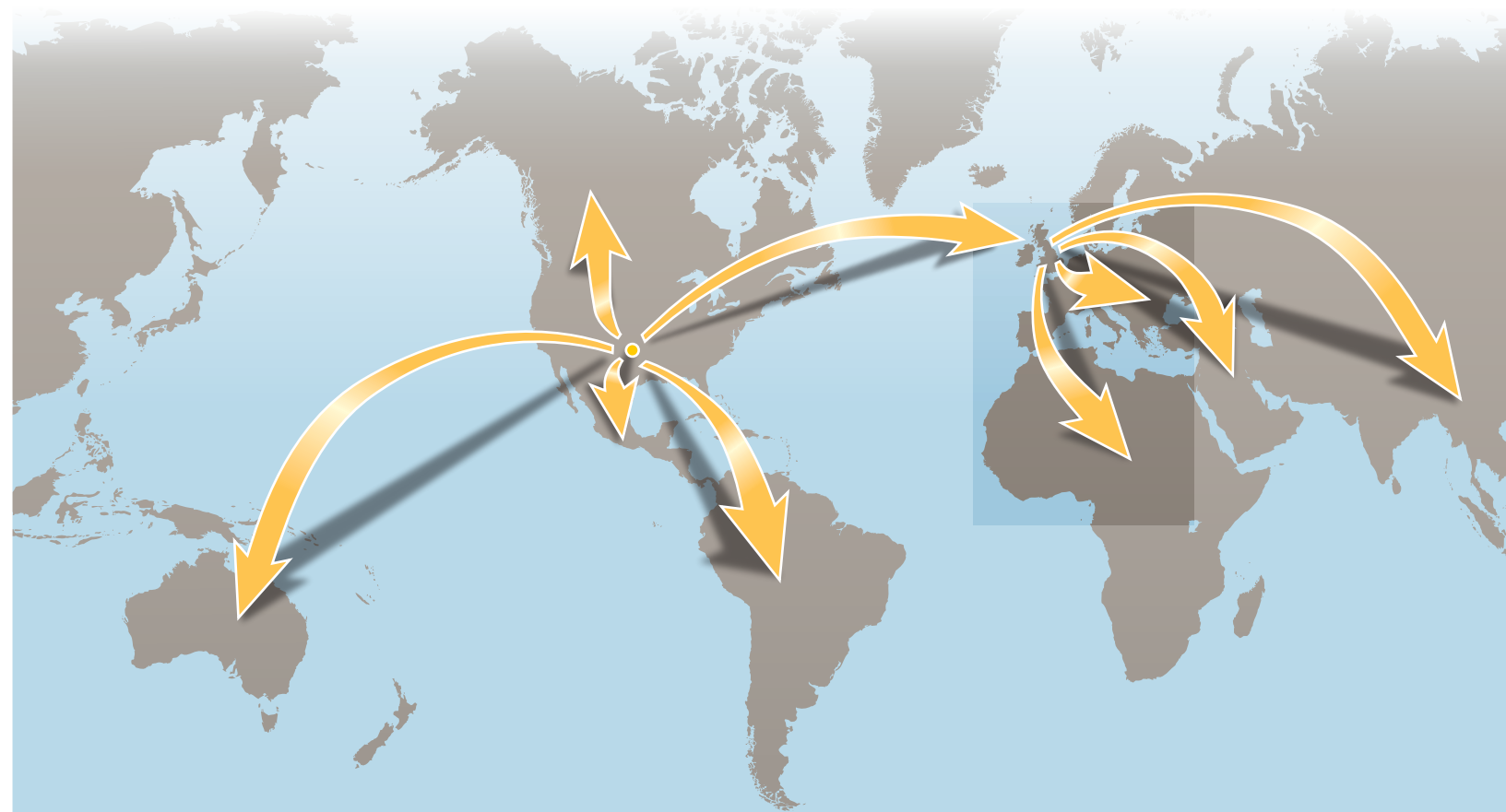
Centrally located in Oklahoma City, Oklahoma in the USA, CMI Roadbuilding has excellent access to all forms of transportation from railway to overnight air cargo services.

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

Contact our Parts Department on:

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CMI ROADBUILDING PRODUCT RANGE

ASPHALT PLANTS



CONCRETE PLANTS



CONCRETE PAVING



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