

CMI
ROADBUILDING INC.



TRIMMERS, PLACERS & SLIPFORM PAVERS

CONCRETE PAVING



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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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FACILITIES

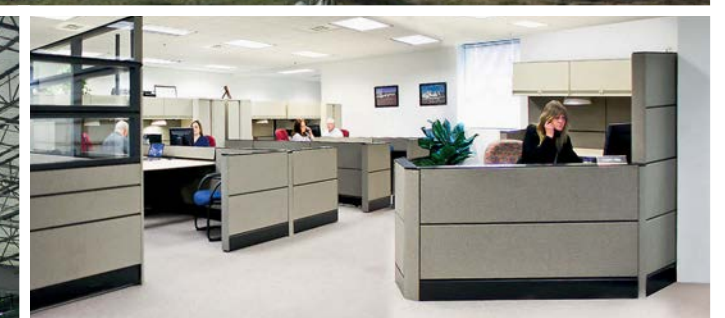
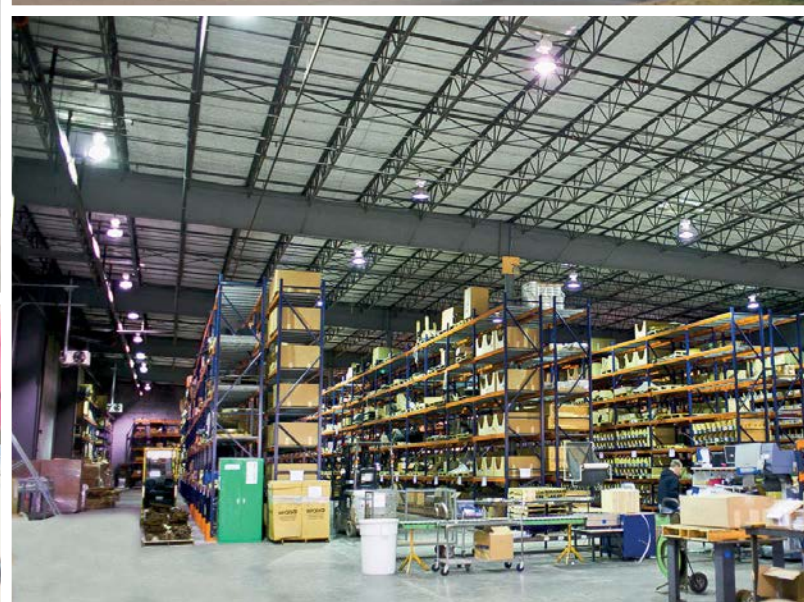
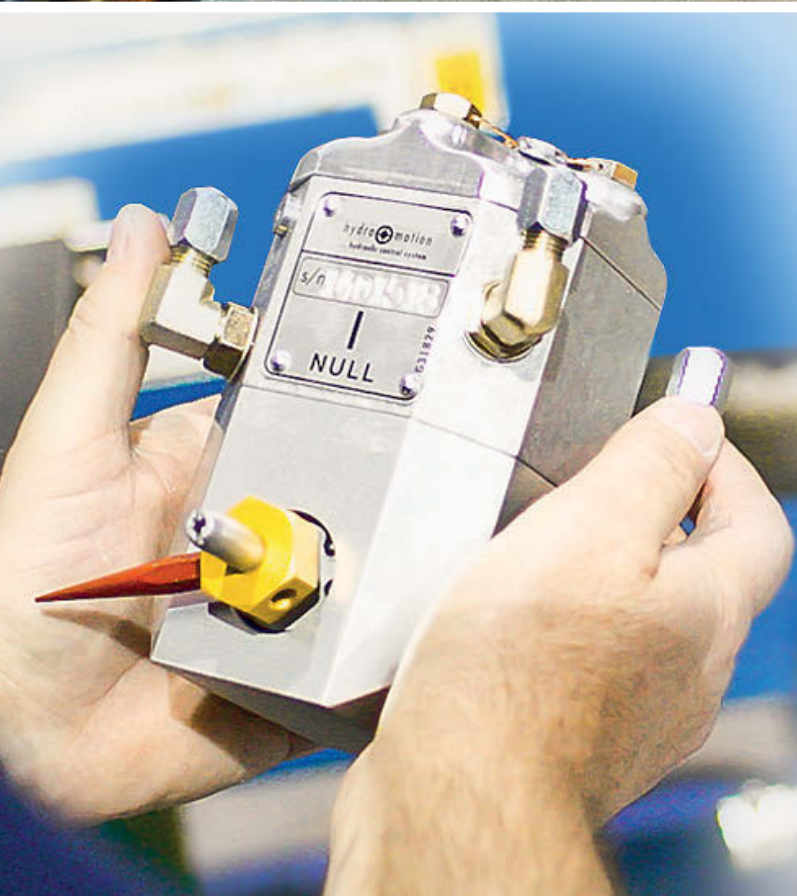
CMI's headquarters for North, Central and South American, sales, engineering and product support operations is a 58,000 ft² modern building in Oklahoma City, USA. Other International markets are supported by CMI's UK office in Bury St Edmunds, UK.

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.



AUTOGRADE™

TRIMMERS

CMI's three track, variable-width Trimmers are ideal for highway paving, bridge approach, airport, industrial and subdivision construction. The highly accurate and dependable Hydra-mation® controls are exclusive to CMI Trimmers and provide unmatched grade accuracy while they ensure long-term reliability.

With these outstanding controls, grades can be easily prepared to within ±1/8 in (3 mm) tolerance at higher rates of production. Non contacting grade control systems are available as an option.

For single lane applications, the CMI TR-3 and larger TR-4 embody the same legendary design philosophies which made the 'Autograde™' the bellwether of fine grade trimmers sought after by road and runway constructors around the world.

The CMI TR-3 and TR-4 center-mounted cutters and their over-cutter center of gravity work together with a rugged V-belt power-band cutter

drive system. This combination of features puts more power to the cut, making the TR range some of the industry's most reliable and productive trimmers.

The TR-6 offers dual lane trimming in a single pass from 20 ft (6100 mm) to 28 ft (8500 mm) as standard with optional cutter widths to 32 ft (9750 mm). Featuring hydrostatically driven rotary cutter auger and spreader auger assemblies and moldboards that are fully adjustable for crowning, the TR-6 has cost saving features including swing-leg assemblies for variable operating width and track-line location while their transport position permits self-propelled transport loading.



OPTIONS

- 10ft (3.05 m) heavy-duty cutter arrangement featuring 1 in (25 mm) flighting, 94 carbide-tipped conical teeth.
- 10 ft (3.05 m) severe-service cutter arrangement featuring 2 in (50 mm) flighting, 164 carbide-tipped conical teeth.
- Operational-width cutter extensions for 12 ft (3.66 m); 14 ft (4.27 m); 16 ft (4.88 m)
- Cutter shipping skid for 12-16 ft (3.05-4.88 m) cutters.
- One-piece piece cutters.
- Lighting packages.
- Non contacting grade controls.
- SALT (sealed and lubricated) tracks.
- Polyurethane track pads.

Captions

Opposite top: TR-4 with offset grade beam.
Opposite bottom: TR-6 dual lane trimming.
Above left: TR-3 is ideal for shoulder and road widening work.
Above: TR-3 preparing a new lane.
Right: Centre mounted cutter is available in a variety of widths.

OPTIONS FOR TR-6 ONLY

- Trimmer configuration to 32 ft (9,754 mm).
- Center wastegates- Model 16 receiving hopper attached to front of basic machine for receipt of end-dump truck delivery of aggregate-type base materials. Provides proportioning of materials for spreading. Capacity variable, 16 ft (4,877 mm) wide, hydraulic gate action. Add 9,150 lb (4,150 kg) weight.
- Truck-towed windrow box for windrow proportioning of base and sub-base materials. Mounted on four 7.50 x 16-6 ply tires. 10 ft (3,048 mm) wide hopper. Proportions from 6 ft³ (0.17 m³) per linear foot to 16 ft³ (0.45 m³) per linear foot.
- Weighs 3,610 lb (1,637 kg). Works with any standard rear dump truck.
- Cross Slope System (to 28 ft [8,534 mm] only)- an electronic attachment which allows for elevation control on off-stringline side. Operator dial control through transitions.
- Stringline kits- Grade Ski, Elevation Control provides capability of referencing from established grade or existing slab. Includes elevation sensor supports, steering pivot bars and grade skis.

AUTOGRADE™ TRIMMERS SPECIFICATION

Model	Cutting Width
TR-3	10-16 ft (3048-4876 mm)
TR-4	10-16 ft (3048-4876 mm)
TR-6	28 ft (8534 mm)

AUTOPLACE PLACERS

CMI Autoplace concrete placers are ideal for placing and spreading concrete ahead of a paver where dowel baskets or mesh reinforcement are used ahead of the paver. Additionally, the TP-4 placer with its unmatched manoeuvrability can be used in tight operating situations to feed offset jobs from either side.

The CMI PS-3 Dual-lane or single-lane concrete placer/spreader featuring a 10 ft 6 in (3200 mm) wide receiving hopper and 60 in (1520 mm) wide folding feed conveyor capable of transfer material at up to 450 fpm (13.7 mpm) from either the left or right side of the placer.

Material is then spread by right and left mounted, hydraulically driven 24 in (610 mm) diameter augers and struck off by a sectional moldboard with powered crown capability to a standard widths of 12 to 20 ft (3660 to 6100 mm). An optional extension allows spreading to 32 ft (9754 mm).

The tractor unit uses two 12 ft (3660 mm) long tracks that are driven from the centrally mounted power pack. The four legs provide a maximum elevation of 30 in (762 mm).

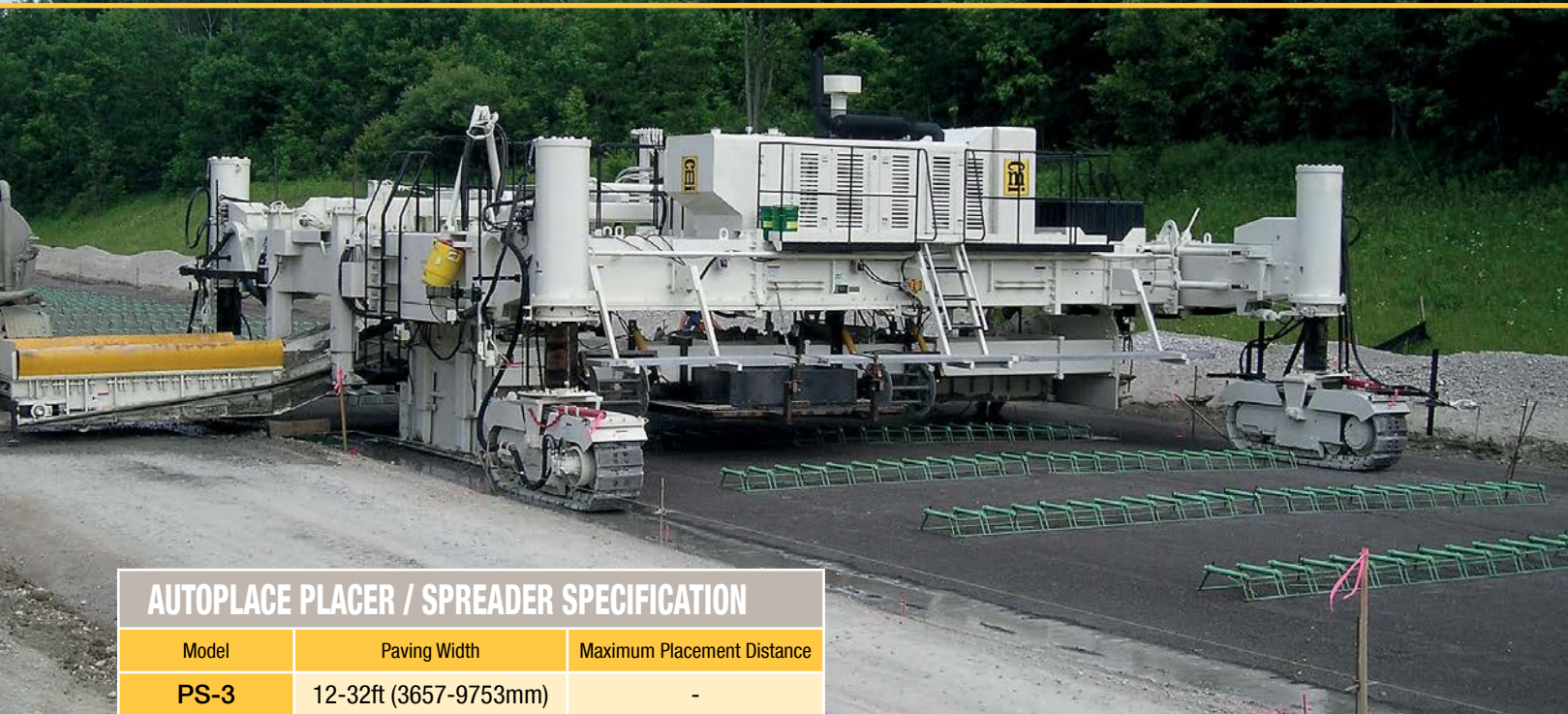
The PS-6 model leads the world's highest capacity paving trains. Featuring a 10 ft 6 in (3200 mm) wide receiving hopper and 60 in

(1520 mm) wide folding feed conveyor capable of transfer material at up to 465 fpm (141.7 mpm) from either the left or right side of the placer.

All of CMI's material placing equipment is designed for demanding operations across diverse applications found in the four corners of the world.

CMI's TP-4 industry standard placer and spreader design features an operator moveable, slide mounted operator's station that rotates 180 degrees for maximum visibility.

Powerful and positive four wheel drive makes the Autograde™ TP-4 highly manoeuvrable and steerable front leg structures with wide base pneumatic tires are mounted to an oscillating beam for travel over uneven terrain. Remote operation capability adds even greater mobility and speed.



AUTOPLACE PLACER / SPREADER SPECIFICATION		
Model	Paving Width	Maximum Placement Distance
PS-3	12-32ft (3657-9753mm)	-
PS-6	18-44ft (5486-13411mm)	-
TP-4	-	28ft 3in (8610mm)



PS-3 / PS-6 / TP-4 OPTIONS

- SALT (sealed and lubricated) tracks.^{#1}
- Polyurethane track pads.^{#1}
- Extensions for spreading up to 36 ft (11 m)^{#2} or up to 38 ft (11.58 m).^{#3}
- Delivery conveyor extension group.^{#2}
- Telescoping rear workbridge.^{#2}
- Special application vibrator system.^{#2}
- Stringline steer in reverse.^{#3}

- Special hydraulic truck hitch.^{#4}
- Auxiliary lighting attachments.^{#4}
- Special application conveyors (consult factory).^{#4}
- Side delivery hopper conveyor.^{#4}
- Tremie-type conical concrete delivery chute.^{#4}

^{#1} Applies to PS-3 & PS-6 only.

^{#2} Applies to PS-3 only.

^{#3} Applies to PS-6 only.

^{#4} Applies to TP-4 only.



Captions

Opposite top: PS-6 ready to receive material from a truck.

Opposite bottom: PS-3 spreading material over baskets.

Above: TP-4 offers unmatched manoeuvrability.

Above right: Wide, high volume receiving hopper.

Left: Dual lane placing and spreading.



PS-6 FEATURES

- Variable-width placing and spreading.
- Dual-lane spreading in a single pass.
- Hydrostatic-driven rotary-spreader auger and strike-off.
- Moldboard assemblies adjust for crowning.



AUTOPAVE SF-1

CURB & GUTTER SLIPFORM PAVER

CMI has lead the way with a revolutionary design for curb and gutter pavers. The patented design featured on the SF-1 has a profile insert that is easily detached and exchanged when necessary.

In 15 minutes you can switch out profile inserts without having to change the complete mould, including the hopper and vibrators. Additionally, the one piece profile inserts are much less expensive than purchasing complete moulds.

The SF-1 has a transport width of less than 99 in (2.5 m) without disassembly and features a low center of gravity for high stability. Numerous configurations including right or left hand operation,

relocatable operator's console, minimal clearances of 2 ft 11³/₈ in (900 mm) stringline side and 7¹³/₁₆ in (200 mm) offside and excellent visibility over the low machine profile, allow for maximum utilization.

Large vertical range of motion facilitates curbing 20 in (500 mm) above grade to 16 in (400 mm) below grade and allows a New Jersey barrier mold to be lifted off the wall for the end-joint, without disassembly. Also available with optional 3-D "stringless" control.



Captions
Top left: SF-1 placing a curb and gutter.
Top middle: Following a string line using Hydra-mation®.
Top right: The SF-1's adjustable receiving hopper.
Bottom left: Excellent all-round visibility from the operators platform.
Bottom right: Interchangeable molds are available for a variety of applications.

AUTOPAVE SF-2

VARIABLE WIDTH SLIPFORM PAVER

CMI's stable of high performance pavers also includes the unique model SF-2, nicknamed the "HW" amongst its operators.

This concrete slipform paver is has hydraulically variable width from its minimum of 8 ft (2400 mm) through its maximum of 22 ft (6710 mm).

Perfect for the odd-sized set up, varying width "wedges" or other custom work.

Able to change widths hydraulically, quickly saving countless man-hours as well as mechanical supplies such as loosing costly fasteners along with the logistics of mobilizing additional machine inserts.



Captions
Top left: SF-2 offers unique variable width capabilities.
Top right: Spreading using the hydraulic plow.
Above right: SF-2 features CMI Hydra-mation® grade control.
Bottom left: SF-2 in transport mode.
Bottom right: Transition to paving mode takes minutes and requires no added extensions.



AUTOPAVE SF-3 / SF-4 / SF-6

SLIPFORM PAVERS

CMI's Autopave series of concrete pavers benefits from years of experience paving all around the world. Offering paving kits and options to suit even the most demanding applications, the Autopave series meets the toughest smoothness standards.

The SF-3 and SF-4 are manoeuvrable mid range, two or four track slipform pavers designed for highway, industrial and airport concrete construction. The CMI design features a heavy duty, rigid frame structure on powerful tracks giving them the flexibility to fit well on many diverse projects and paving capabilities and performance unmatched in their size and class. Both set the industry standard for ride smoothness – PI or IRI.

The SF-3 offers the increased manoeuvrability of a two track design, while the SF-4's four tracks give increased stability for high production, multi-lane main highway projects.

The CMI SF-6 is a truly capable "Mainline Class" slipform paver for highway and airport concrete construction and its predecessors have set the ride standards for high quality concrete paving on jobs around the world.

Equipped with four tracks, machine frame rigidity and ample power, the SF-6 is easy to operate with exceptional manoeuvrability to maintain a high level of productivity. It is a versatile, high-production four-track design providing superior paving capabilities and performance unmatched in its size and class that sets the Industry Standard for Profile tolerance-PI or IRI.



Captions
Opposite top: SF-3 with auger.
Opposite bottom: SF-6 with a S6 paving kit paving multiple lanes.
Top left: SF-3 with super-smoother.
Top right: SF-6 paving an interstate.
Above: SF-6 working as part of a paving train.



AUTOPAVE SLIPFORM PAVERS SPECIFICATION	
Model	Cutting Width
SF-3	12-32 ft (3657-9753 mm)
SF-4	12-32 ft (3657-9753 mm)
SF-6	18-44 ft (5486-13411 mm)

OPTIONS

- Hydraulically powered guillotine track guards.^{#1}
- Metric and imperial dimensioned paving kits.^{#1}
- Rear-mounted, magazine-load tie-bar inserter.
- Power pack options to meet every local requirement.
- SALT (sealed and lubricated) tracks.^{#2}
- Zero-clearance paving for widths to 14 ft (4.27 m).^{#2}
- Computer control for up to 3 units.^{#2}
- Mainframe extensions of 6 ft (1.83 m) and 7 ft (2.13 m) with special extension available.^{#2}

^{#1} Applies to SF-3 & SF-4 only.

^{#2} Applies to SF-6 only.



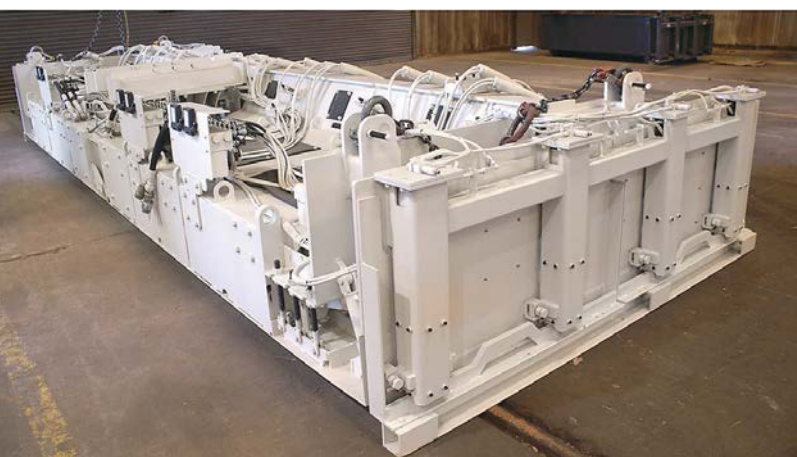
AUTOFINISH

TEXTURE / CURE

Different regions have differing finishing, texturing and curing specifications. CMI texture and curing equipment is versatile enough to put the finishing touches on a wide variety of jobs, all around the world, large or small.

Finishing the surface of your concrete project, with longitudinal or transverse tines, brush or burlap drag finishing or simply applying a curing solution, the CMI Autofinish family of texture and curing equipment can quickly, reliably and affordably follow up any paving train with the finishing touch.

Self-propelled and available with auto-steering through the use of CMI Hydra-mation®, four independently powered wheels assure traction and steady progress to support high production concrete paving trains.



ANCILLARY EQUIPMENT

The SF-3, SF-4 and SF-6 are available with a variety of paving kit options.

PK-1 kit is an excellent medium duty paving package for work widths to 32 ft (9.75 m). The mould is 54 in (1370 mm) front to rear for excellent slab finish with a "rooftop" crown incorporated. This kit is ideal for metropolitan paving.

The PK-6 is known as the "strongbox" because of its unique design for heavy duty paving applications with widths to 38 ft (11582 mm).

It features "quick change" pin and wedge design to minimize time and labor for width changes. This package offers spreader plow or auger options and "rooftop" crown is standard. This kit is ideal for mainline and airport paving.



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.

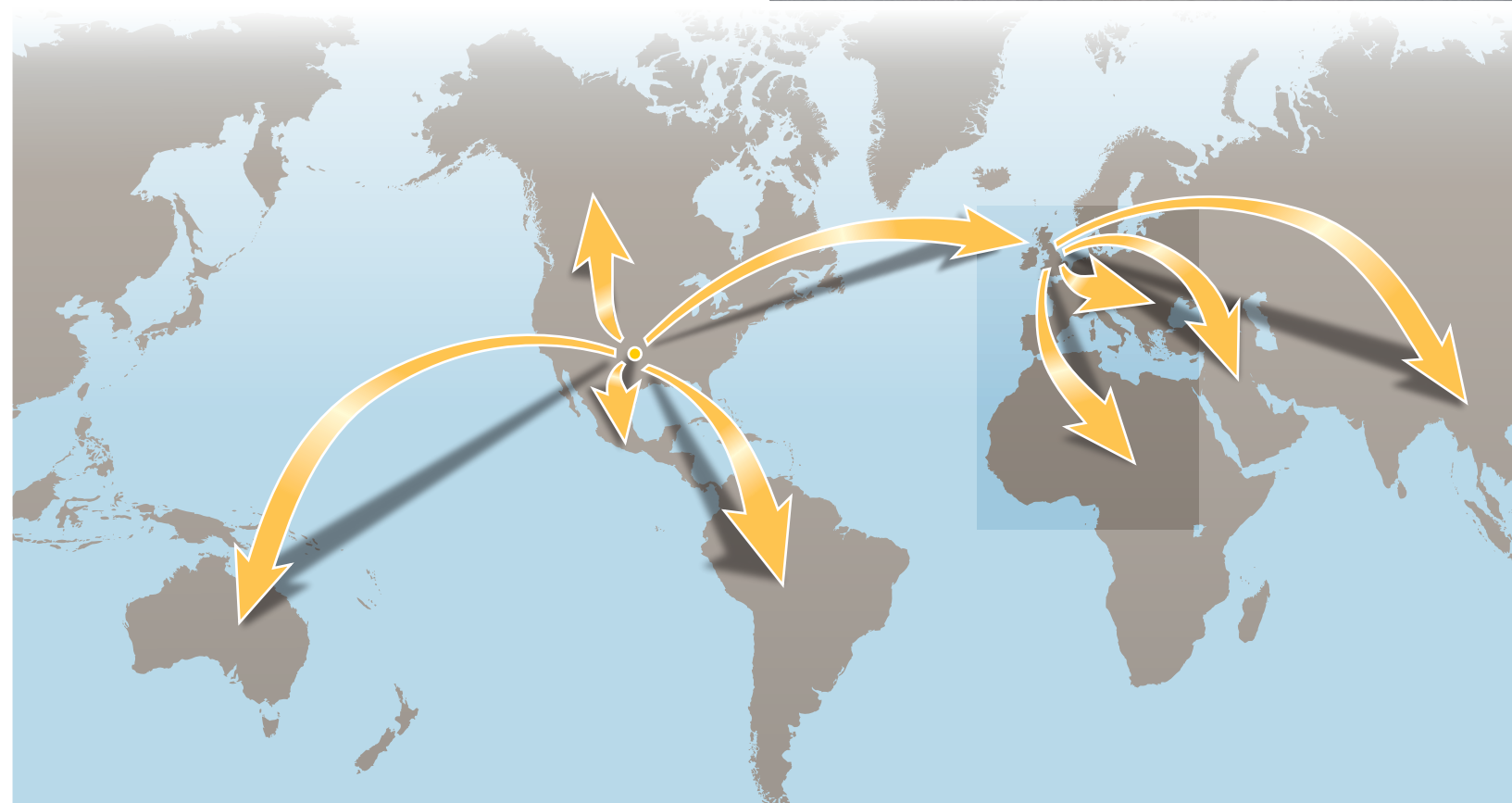
Centrally located in Oklahoma City, Oklahoma in the USA, CMI Roadbuilding has excellent access to all forms of transportation from railway to overnight air cargo services.

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



COLD PLANERS



CONCRETE PLANTS



COMPACTION



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