

CMI
ROADBUILDING INC.



COMPACTION

TRASHMASTER[®]

LANDFILL COMPACTORS



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TRASHMASTER®

THE INDUSTRY'S ONLY FULL WIDTH LANDFILL COMPACTOR

The CMI TrashMaster® achieves full width compaction utilising all four wheel paths in a single pass. All other landfill compactors based on old fashioned style tractors leave an uncompacted center line swathe between the two wheel paths resulting in increased passes, fuel consumption and reduced machine life.

The CMI TrashMaster® is a purpose built machine designed to optimize landfill life span by maximizing material density in the most effective and efficient manner.

CMI's line of compaction equipment developed over fifty years of varied field applications, possesses the necessary attributes to quickly, effectively and affordably deliver superior results.

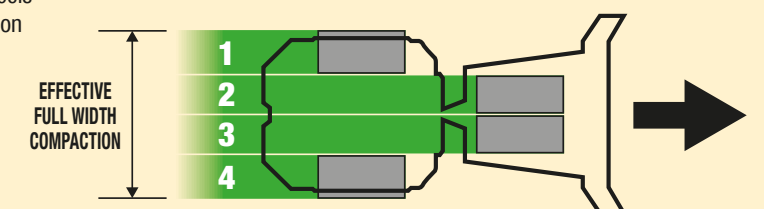
FULL WIDTH COMPACTION IN A SINGLE PASS

In a typical operation old fashioned style tractors, frequently plagued by the uncompacted 'windrow' of materials between the only two wheel paths, risk high centering of the machine, losing traction and getting bogged down in the uncompacted soil. This presents a significant operational limit to the machine. To address this limitation, makers of the old-style tractors fit the machine with wider high flotation wheels attempting to strike a balance between the reduction of compaction force produced by wider wheels and the risk of getting stuck.

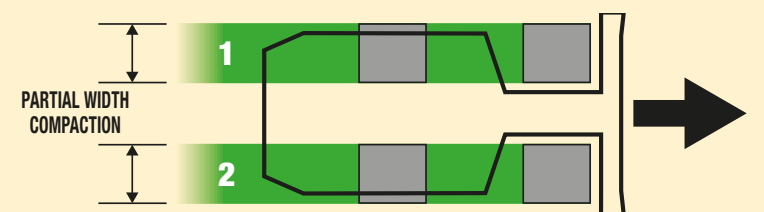
The TrashMaster's close, inset front wheels compacts the center line swathe, greatly reducing the risk of getting high centered. This full width compaction, combined with high distributed load (measured in pounds per linear inch or PLI), means that the TrashMaster achieves the most efficient compaction in a single pass of any landfill compactor.



Unique four wheel configuration for effective full width compaction.



CMI configuration



Old-style Tractors



TRASHMASTER®

HIGHEST COMPACTION FORCES IN THE INDUSTRY

CMI compaction equipment offers purpose built machines designed to provide enhanced durability and to maximize landfill material density in the most cost-effective manner. Heavy duty cleat contour design wheels and geometric configuration enables CMI compaction equipment to deliver superior densities faster than any other method used today.

COMPACTION FORCE

Compaction is as much about how a machine applies force – Distributed Load measured in pounds per linear inch or PLI (N/m) – as how much the machine weighs.

PLI is calculated by dividing total machine mass in pounds (Newtons) by the combined effective width of all four wheels in a single pass, in inches (meters). Generally speaking, the higher the PLI (N/m), the more material will be compacted in the same space, resulting in a greater density and improved productivity.

MODEL	DISTRIBUTED LOAD (PLI)
TM-5	417 lb/in (72,970 N/m)
TM-8	606 lb/in (106,138 N/m)
TM-11	733 lb/in (128,426 N/m)



TRASHMASTER® MASTERLINE WHEELS & CLEATS



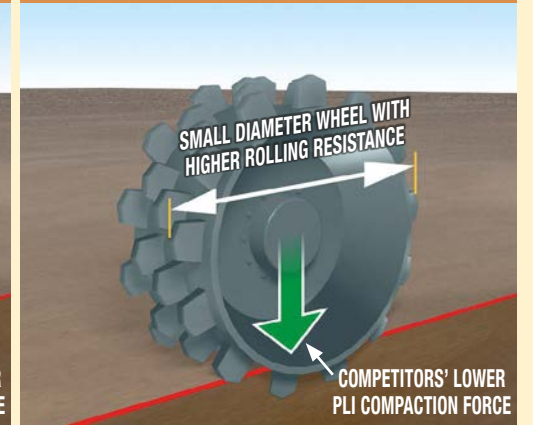
CMI TrashMaster Masterline extended wear wheels and cleats come with a 4 year or 10,000 hour warranty as standard. The cleat contour design delivers the crushing force needed to penetrate and break down refuse with a crisp “chopping” action, which reduces refuse size and eliminates

surface “fluffing”. Cleats are mounted in a chevron pattern that discourages build-up and eliminates the need for power sapping raker bars. The TrashMaster wheels have a large diameter, providing greater pushing power with less rolling resistance than competitors’ smaller diameter wheels.

CMI TRASHMASTER MASTERLINE WHEELS



COMPETITORS' DRUM STYLE WHEELS



CMI TrashMaster self cleaning cleats are mounted in a chevron pattern across the width of the wheel, facing the direction of rotation, for maximum crushing force and minimal gaps across the compaction path.

Competitors' have to rotate the cleats 90 degrees to allow space for raker bars to fit in between which results in gaps across the width of the wheel compaction path reducing the effective crushing force.



TRASHMASTER® SERIES



The CMI TrashMaster series is built on the proven legacy first developed through Rexworks and now further enhanced in the latest range of models. Its unique wheel configuration, market leading compaction force, robust design and reliability have enabled waste management operations to achieve the highest production efficiencies and maximise the life span of landfill sites.

All aspects of the TrashMaster's design are focused on maximum productivity. From its ease of maintenance through to the heavy duty mainframe, wheel and dozer blade design, unrivalled all-round visibility and operator ergonomics built into the operator cab, the TrashMaster is built for work day after day in the most demanding operating conditions.



CONTROL SYSTEM

TM-11 features a 7" overhead display containing engine and machine info along with onboard diagnostics for user-friendly troubleshooting. Smart power module with fuse protection that shows fuse and relay status on the display. For maintenance purposes the umbilical remote control can also operate machine from the ground.

EFFICIENT COOLING SYSTEM

High ambient cooling designed for operation in a wide range of climates worldwide with automatic reversing fan to dislodge dirt and debris. Large easy access doors on both sides of radiator/cooler shrouding.

EASY ACCESS TILTING HOOD

Hydraulic opening engine enclosure with vandal-proof locking protection, allows easy access to all service points including the cooling package.

HEAVY DUTY DRIVETRAIN

The hydrostatic drivetrain on the TM-11 provides fully balanced drive torque to each wheel through a central hydraulic pump station.

HIGH COMPACTION WHEEL DESIGN

Masterline extended wear wheels and cleats with 4 year or 10,000 hour warranty. Cleats are designed to produce a crisp "chopping" action, which reduces refuse size and eliminates surface "fluffing". Cleats are mounted in chevron pattern that discourages build-up and eliminates the need for power sapping raker bars. Optional tip patterns available.

HYDRAULIC ACTUATED BELLY PANS

Two heavy duty reinforced steel belly pans swing down allowing easy access underneath and secured by a positive pin lock system.

HIGH VISIBILITY CAB

Enhanced ergonomically designed air conditioned cab has the operator in mind with a fully adjustable side or front facing high back air ride seat. Joysticks control steering, blade functions, propel direction and travel speed removing all foot pedals from the cabin. Interior includes a USB charge port, 12v outlet and AM/FM radio.

POWERFUL LIGHTS

High quality long-life LED lights fitted high up front and rear as standard for excellent working visibility and protective guards fitted to front.

ALL-AROUND SAFETY CAMERAS

Industry leading Masterview safety camera system uses 4 full color cameras which combine to provide a look down 360° wraparound view of the machine, or split screened with one of the camera feeds.

HIGH MOUNTED HYDRAULICS

Steering and blade cylinders and associated hoses are mounted high on the machine providing protection from debris.

ROBUST BLADE & LIFT ARMS

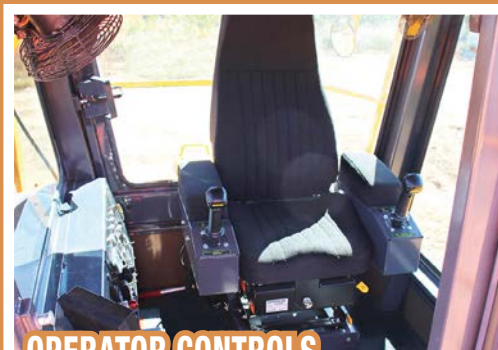
Designed with reversible cutting edge and semi U-configuration profile. Heat treated moldboard.

Features



HIGH VISIBILITY CAB

All-around high visibility enhanced with the Masterview safety camera system showing 360° wrap-around view of the machine. Cab is air conditioned, sound suppressed and isolated mounts reduce vibration for operator comfort. AM/FM Radio fitted as standard.



OPERATOR CONTROLS

Comfortable, fully adjustable, high back, air ride seat with ergonomic swivel seat base which allows either side facing or front facing operation. Joystick controls are designed for common sense, ergonomic operation in side, or forward-facing mode of operation automatically.



POWERFUL POWERPLANT

Cummins Tier 4 Final / EU Stage 5 powerpack with real-time monitoring system (Tier 3 options available). Easy to use touch point monitors and alerts for engine oil pressure, charging system, fuel, hydraulic oil levels, transmission, and steering functions.



EASY MAINTENANCE

Easy access for maintenance of engine oil fill and check, sight gauges, grease fittings, air box, etc. Hoses and wires are installed to the cab in a manner that allows simple rolling forward of the cab for engine bay service access by hooking a chain to the blade and lowering the blade.



HEAVY DUTY WHEELS

Masterline extended wear wheels and cleats with 4 year or 10,000 hour warranty. Removable inspection plates provide the means to maintain wheels and clear debris build-up directly at site without removing the wheels.



WIRE-WRAP PROTECTION

The design of the wheel weldments, combined with wire traps on the machine mainframe effectively seal the inner wheel drum cavity to prevent entry of wire wrap and refuse. Fender design eliminates the need for cleaner bars.

TRASHMASTER® TECHNICAL SPECIFICATIONS



	TM-5	TM-8	TM-11
ENGINE	Cummins QSB 6.7 Diesel	Cummins QSG12 Diesel Tier IV Final	Cummins QSX15 Diesel Tier IV Final
POWER OUTPUT	300 hp (224 kW)	400 hp (298 kW)	550 hp (410 kW)
DISTRIBUTED LOAD (PLI)	417 lb/in (72,970 N/m)	606 lb/in (106,138 N/m)	733 lb/in (128,426 N/m)
COMPACTION WIDTH	10 ft (3048 mm)	11 ft (3352 mm)	13 ft 8 in (4166 mm)
INSIDE TURNING RADIUS	13 ft 2 in (4013 mm)	12 ft 10 in (3912 mm)	12 ft 4 in (3759 mm)
OUTSIDE TURNING RADIUS	23 ft 1 in (7036 mm)	23 ft 6 in (7163 mm)	26 ft (7925 mm)
BLADE RAISED ABOVE GRADE	43 in (1092 mm)	40 in (1016 mm)	48 in (1219 mm)
BLADE LOWERED BELOW GRADE	5 in (127 mm)	6 in (152 mm)	6 in (152 mm)
GROUND CLEARANCE	22 in (559 mm)	20 in (508 mm)	28 in (711 mm)
WHEEL WIDTH FRONT / REAR	30 in (762 mm) / 36 in (914 mm)	30 in (762 mm) / 36 in (914 mm)	35 in (889 mm) / 40 in (1016 mm)
WHEEL DIAMETER	76.5 in (1943 mm)	76.5 in (1943 mm)	85 in (2159 mm)
DIMENSIONS & WEIGHTS			
SHIPPING HEIGHT	12 ft 11 in (3937 mm)	12 ft (3658 mm)	13 ft 2½ in (4026 mm)
SHIPPING WIDTH OVER GUARDRAILS	12 ft 3 in (3730 mm)	10 ft 10 in (3291 mm)	11 ft 10 in (3586 mm)
SHIPPING LENGTH	24 ft 6 in (7468 mm)	23 ft 8 in (7207 mm)	25 ft 10 in (7874 mm)
SHIPPING WEIGHT	55,000 lb (24,950 kg)	80,000 lb (36,300 kg)	110,000 lb (49,895 kg)

STANDARD EQUIPMENT

- Masterview 360° all-around safety camera system
- High-intensity LED lights (forward and rearward)
- Masterline extended wear wheels & cleats
- High back, air ride swivel seat
- Air conditioning
- AM/FM Radio
- USB charge port & 12v outlet
- Removable hand rails

OPTIONAL EQUIPMENT

- Extended service warranty
- GPS landfill management software

BENEFITS

- Unique wheel arrangement resulting in the industry's only full width landfill compactor
- Highest compaction forces in the industry to maximize landfill material density
- Masterline wheels and cleats with a 4 year or 10,000 hour warranty
- Side facing seat for operator comfort can also swivel to front facing depending on operator preference for excellent visibility forward or reverse.



TRASHMASTER®
LANDFILL COMPACTORS SINCE 1968

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