



# CAT<sup>®</sup> INDUSTRIAL WHEEL LOADERS

PURPOSE-BUILT FROM THE GROUND UP

**BUILT FOR IT.<sup>™</sup>**







## PURPOSE-BUILT CONFIGURATION

Maximize performance and productivity while minimizing operating costs.

### GUARD YOUR INVESTMENT

Choose from a complete range of optional guarding to protect both you and your machine from the harsh environment of industrial applications. The guarding is purpose-built to protect the major components and systems, keeping you on the job and maximizing productivity.

### BREATHE CLEAN

Maximize your engine life and extend filter cleaning intervals with a turbine precleaner. Keep cool with a fan system designed to purge debris from the widely-spaced cooling core package and an alternator designed for harsh environments. Breathe clean with a powered RESPA system for the operator environment designed to eliminate 90% of the particulate in air and filter the remaining 10% and is rated at MERV 16 or equivalent (minimum).

### MAXIMIZE PERFORMANCE

Fully locking front differential axles are standard and can be engaged at full torque on the go with the touch of a button. Traction aids for the rear axle are available to minimize tire slippage in poor conditions. Brake system includes independent service brakes on front and rear axles (compact & small loaders).

### SAFER OPERATIONS

A spring applied, electronically activated park brake.

### LOWER YOUR OPERATING COSTS

Increase cutting edge life with return to level and lower kick-outs that work in concert with cylinder damping. Efficiently powerful with Standard mode running at a whisper quiet 1600-1800 RPM saving fuel and reducing wear on all rotating components.







# MIDSIZE WHEEL LOADER GUARDING AND OPTIONAL EQUIPMENT 950-980 MODELS



1. **Tilt cylinder guard** – Heavy duty sliding guard mounts to the cylinder and protects the tilt cylinder rod from damage due to contact /impact from falling debris or material spillage over the work tool. If the rod(s) are pitted, scratched, the cylinder seals may be worn prematurely.
2. **Axle seal guard** – Axle seal guard bolts to the axle shafts and protect each axle seal by preventing material, springs, wire, from cutting and damaging seals as material winds around when the tires rotate.
3. **Front frame guard** – Guard bolts to the front frame to protect the caliper parking brake and prevent material accumulation front frame, protecting the front drive shaft.
4. **Hinged powertrain guard** – Powertrain guard bolts underneath the rear frame to protect the transmission from contact with debris and prevents material ingress around the transmission. The guard is hinged to make servicing easier. An electric actuator available to provide easy removal of accumulated debris.
5. **Hitch guard** – Hitch guard bolts to the butterfly plate to prevent debris from packing around the transmission and hydraulic pumps , while providing visibility to the transmission oil sight glass..
6. **Steering cylinder guards** – Steering cylinder guards bolt to the frame just forward of the tires to protects the steering cylinders, sensors and pins from damage from debris from the rear tires.
7. **Light guards (roading, work, rear)** – Light guards protect the front roading lights, cab work lights (standard halogen and premium lights) and rear stop/tail lights from damage by debris.
8. **Steel rear deflectors** – The standard non-metallic rear deflectors are replaced with steel versions for use in extreme applications.
9. **Narrow steel front fenders** – The narrow steel front fenders replace standard full-coverage fenders to provide more clearance to walls when the machine is operating in a confined ace.
10. **Reinforced service centers and platforms** – The electrical and hydraulic service centers are reinforced with additional bolted wear plates to resist damage key components in the service centers. The service platforms are reinforced with welded-on plates to support additional weight for 3rd party suppression systems.



- 11. Heavy-Duty ladder and cable steps –** The heavy duty ladder replaces the standard ladder to provide additional resistance to damage when the machine is operated in a confined space. Steel cables replace the standard rubber strap and mates with the heavy duty steps to withstand the extreme nature of the application.

- 12. Turbine trash precleaner –** Cyclone engine air cleaner that uses centrifugal force to spin debris out of the air stream, extending the service interval for the air filter elements. A metallic screen prevents larger debris from clogging the filter.

- 13. Carbon fresh air filter –** Activated charcoal filter replaces the standard cab recirculation filter to reduce the odor causing debris particles in the operator environment.

- 14. Lift cylinder baffles –** Lift cylinder baffles prevent the accumulation of debris and compaction under the lift cylinders, protecting the cylinder from damage.



## INDUSTRIAL PACKAGE FEATURES & BENEFITS - OPTIONAL

### Counterweight, Rear Guard -

Optional Heavy Duty radiator guard provides additional rear machine protection in this tough application. The guard is hinged for easy access to the airborne debris screen and cooling core.

### Window Guards –

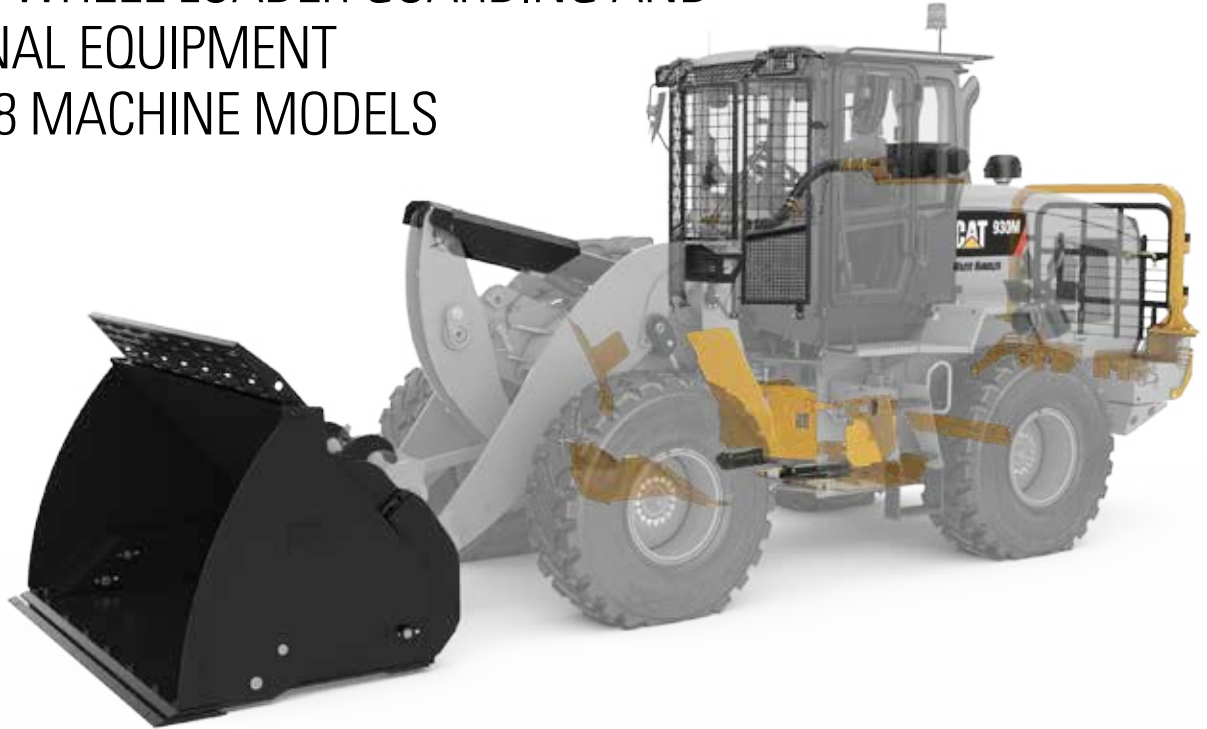
Depending on the level of protection required, three optional guard designs are available to help protect the cab glass from damage while working in tough waste applications. There are two front windshield guard options and a full cab glass guard available to protect your wheel loader. Rubber mounted flat glass is also an available option for easy replacement of front glass.

### RESPA Filter -

Optional RESPA Cat filtration system is also available.



# SMALL WHEEL LOADER GUARDING AND OPTIONAL EQUIPMENT 926-938 MACHINE MODELS



1. **Windshield guard** - Windshield guard protects the cab glass from damage while working in tough waste applications. Guard can swing open for easy access to cleaning.
2. **Tilt cylinder guards** - Heavy duty sliding tilt cylinder guards provide protection against airborne debris and potential bucket spill material from damaging the tilt cylinders.
3. **Light guards** - Guards are provided to shield the front, rear and roading lights from debris damage while working in waste handling applications. Rear lights not an option when rear waste gate is selected.
4. **Narrow steel front fenders** - Standard full-coverage front fenders are replaced with a heavy duty narrow steel fender design. These robust fenders are designed specifically to live in a waste handling application.
5. **Driveshaft guard** - Protecting the underside of the front half of the machine, these guards prevent debris build up and damage to major components such as the drive shaft.
6. **Hitch guard** - Provides protection to hitch area of the rear frame, preventing debris from entering the frame while allowing visibility to gear box site gauge.

7. **Steering cylinder guard** - Provides protection to both steering cylinders, preventing damage to rods and cylinder seals.
8. **Power train side guard** - Mounts on side of machine to provide protection for the transmission components.
9. **Power train lower guard** - Protecting the underside of the rear half of the machine, belly guards prevent debris build-up and damage to major components such as the engine and transmission. Side power train guard is an option as well.
10. **Crankcase guard** - Mounts underneath machine to provide protection to the engine components.
11. **Rear waste guard gate** - Heavy Duty radiator guard provides additional rear machine protection in this tough application. The guard is hinged for easy access to the airborne debris screen and cooling cores.
12. **Reversing fan** - The reversing fan, with three settings, auto/off/manual along with a single plain, wide spaced and **100% sealed** cooling package, will help clear out any debris that makes its way into the area. In the auto mode, the timing for the reversing fan can be customized to fit the application needs.
13. **Sealed alternator** - A filtered, brushless alternator is ideal for dusty or corrosive environments/ applications.
14. **Turbine engine precleaner** - Turbine precleaner extends filter life and helps to provide clean air to the engine in high debris applications.
15. **RESPA cab filtration** - RESPA cab filtration system is a powered cab precleaning system which supplies clean air to the cab in high debris application.



# WORK TOOL ATTACHMENTS

## ATTACHMENTS TO PUSH, LOAD & CARRY

A variety of pin-on and coupler attachments are available for challenging waste handling applications. Cat attachments are durable, reliable and designed for performance and efficiency with your Cat® wheel loaders.

## SWAP ATTACHMENTS QUICKLY

A quick coupler allows you to move your machine quickly from one task to the next, utilizing a variety of different attachments.

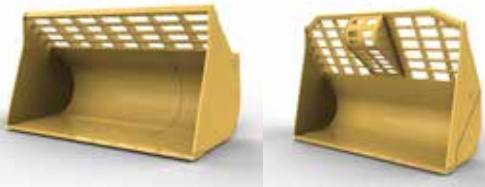
## OPTIONS - RUBBER B.O.C.E.

Reduce wear and tear on the your work surface with optional rubber cutting edges.



**Fusion™ Quick Coupler System:** A Fusion Coupler gives one common interface across a range of medium and small wheel loaders. One attachment can be shared by small and medium size loaders. The Fusion Coupler System is available for 926-972 Cat loaders. Performance with the Fusion system is virtually identical to machines with attachments directly pinned on. The coupler sits back, close in to the loader arms. Offset of the attachment is minimal, enabling the machine to perform at its peak.

Fusion coupler engages the attachment, pulls it in close and keeps it tight for a rattle-free fit as you move around your job area. Because the attachment doesn't bounce or rattle, coupler and attachment both have a long service life providing many productive hours of use in your fleet.



**Waste Buckets:** Designed for a long service life in the harsh world of refuse. These high capacity buckets are well-suited for loading, sorting and other transfer station work. Several styles are available for handling, tamping, loading, carrying and dozing waste material with your wheel loaders.



**Grapple Bucket:** Dual top clamps grab and hold loose material. This bucket is a key producer in transfer stations and landfills. Grapple buckets are available for 930 to 972 size loaders.



**High Dump Buckets:** These buckets reach up and over the sides of loading bins and truck sides. Cylinders and a bottom hinge cause material to roll out and dump the load at a much higher point than other buckets. High Dump buckets are available for 926 to 972 size loaders.





**Cat Performance Series Buckets:** This bucket series is perfect for loading, carrying, stockpiling and backfilling a variety of applications and materials. Bucket shape, weight, lift and tilt capability are designed specifically for Cat loaders. Buckets load easy and carry more – making your loader efficient and highly productive. A wide range of sizes and styles will increase your productivity with 926 to 982 size loaders.



**Multi-Purpose Buckets:** The unique, four-way action of these buckets allow you to load, bulldoze, clamp pipe or large chunks of concrete, and clean up debris. These buckets are available for 930 through 972 size loaders.



**Pallet Forks:** Pick up and transport a variety of banded or baled material. Fusion pallet forks feature an open frame design and offset tines for maximum visibility to the tine tips. Cat Pallet Forks are available for every loader in your fleet.

Buckets		Model	Width Range		Capacity Range	
			mm	(in)	m <sup>3</sup>	(yd <sup>3</sup> )
Performance Series	General Purpose	926 and up	2550-3568	(100-141)	1.9-7.04	(2.5-9.08)
	Material Handling	930 and up	2692-3568	(106-141)	2.87-7.04	(3.75-9.08)
	Light Material	926-938	2750	(108)	3.1-5.00	(4.0-6.50)
	Grapple	930 and up	2692-3059	(106-120)	2.50-4.60	(3.30-6.00)
	High Dump	926 and up	2550-3060	(100-120)	3.00-6.10	(4.00-8.00)
	Multi-Purpose	930 and up	2616-3226	(103-127)	1.9-3.10	(2.50-4.00)
	Tamping	926-972	2743-3357	(108-132)	4.50-6.50	(3.40-5.00)
	Waste Handling	926 and up	3059-3323	(120-131)	5.20-6.50	(6.75-8.50)
	Waste Dozing	926 and up	2743-3882	(108-153)	4.20-10.20	(5.50-13.25)
	Waste Load & Carry	926 and up	2743-3882	(108-153)	4.60-10.70	(6.00-14.00)

\* Performance Series Bucket capacities are calculated with a 110% fill factor. All other bucket capacities are calculated based on SAE.

Couplers	Model	Weight	
		kg	(lb)
Fusion	926 and up	252-566	(556-1248)

Forks	Model	Tine Length		Carriage Width	
		mm	(in)	mm	(in)
Pallet	926 and up	1220-2438	(48-96)	1524-2845	(60-112)



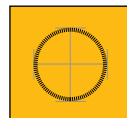
# FLEXPORT™ TIRES

## DESIGNED FOR YOUR APPLICATION

Cat Flexport Tires are a solid, ported tire designed for flat-proof operation in severe applications. Each tire features elliptical holes (ports) molded through the outer ring of the sidewall for more flexibility than a traditional solid tire. The result is less operator fatigue and less stress on the machine. Flexport tires feature improved, high quality rubber compounds for longer wear life. In addition to the treaded design for unimproved surfaces, a smooth tread design is available for enhanced durability in severe applications. The Flexport tire is a complete assembly of rubber and wheel, making installation quick and easy.

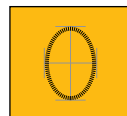
### Head-To-Head Comparison Results:

The Flexport elliptical port design is far superior to the round design present in competitive tire company offerings.



- The round design easily collapses into a flat shape under a load, which creates corners that cause “pinch” or “stress” points.
- Stress point damage will typically result in cracking and chunking of a tire.

Caterpillar designed Flexport Tires incorporate elliptical shaped ports.



- Flexport’s elliptical ports are designed not to crush when compressed by heavy weight.
- Because the ports don’t crush, this reduces stress points – and increases wear life.





The Cat Flexport Tires are designed specifically for your wheel loaders. Available in two different tread patterns—smooth-tread and OTR (off the road).

### Smooth Tread Advantages

- More surface contact
- Better wear and stability
- No lug for debris to wedge
- More resistant to cutting and chunking

### OTR Tread Advantages

- Traction
- Wet ground conditions
- Dual surface use
  - Concrete and asphalt
  - Some unimproved surfaces
- Summer and winter conditions
- Recommended for waste transfer sites in extremely wet conditions

Applications	Demolition	Industrial & Waste	Loading	Recycling	Scrap Yard	Transfer Station
Flexport Smooth-Tread		✓		✓	✓	✓
Flexport OTR	✓	✓	✓	✓	✓	✓

### Tread Selection General Guidelines:

Cat Flexport Smooth-Tread design is ideal for special applications where debris is an issue like scrap yards, recycling centers and some waste transfer stations.

Cat Flexport Off the Road (OTR) Tread design has a block pattern that provides a degree of traction in applications where debris is not an issue.

## FEATURES & BENEFITS

- Patented sidewall ports make the ride more comfortable for operators.
- Elliptical ports won't collapse under heavy loads, reducing stress points for longer wear life.
- Greater machine stability when carrying maximum loads.
- Deep tread delivers long wear life and excellent traction—on any surface.
- Tread pattern handles tough terrain, and allows easy, smooth transitions from unimproved to improved surfaces.
- Highest quality rubber compound manufactured to Caterpillar specifications means durability for longer wear life and a consistent product.
- Puncture-proof design puts an end to fixing flats and the associated unscheduled downtime.
- Molded on tire-and-rim design reduces tire servicing costs.
- Flexports are the only commercially available solid tires that are in compliance with our steering, braking, and most importantly, ROPS requirements.

## OPTIONS

**CUSTOMIZE YOUR MACHINE TO MEET YOUR NEEDS.  
CONFIGURE THE MACHINE THE WAY YOU WANT IT.**

A variety of options are available on Cat Wheel Loaders to suit your specific application needs. See your Cat Dealer for more information about features and additional options.

## **BUILT FOR IT.™**

[www.cat.com](http://www.cat.com)

AEXQ7721

© 2015 Caterpillar • All Rights Reserved • Printed in USA  
CAT, CATERPILLAR, BUILT FOR IT, their respective logos, "Caterpillar Yellow" and the POWER EDGE trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

