

WE CAN HANDLE IT

Our range of machines for your material handling needs



CATERPILLAR[®]



Built for **your business**

We've always had the reputation for designing tough machines for tough jobs. But material handling is different. It needs more than just toughness to succeed – flexibility, efficiency and productivity are also essential. That's why we constantly innovate and refine our machines so they can deal with every aspect of material handling. What's more, each machine can be further customized with our range of work tools so that you can finish any job in optimum time. It's a combination of rugged design, industry specialization and work tool flexibility that makes Cat material handling machines real business building tools.

Machines specially built for the working conditions

Cat material handling machines have been designed to deliver the perfect balance of practicality and productivity. Here's how:

- Cat machines are initially built to be versatile and work in a whole range of material handling environments, from railroads to seaports, scrap yards to grain silos.
- Productivity is further increased with the addition of our range of high-quality work tools. Now you can boost your material handling capabilities and get the best out of your machine.
- Cat machines have both the power and the capability to shift the largest and the heaviest materials.
- Material handling is one of those industries that never stops. That's why every Cat machine comes with the backing of our world-class dealer support designed to keep you up and running with rapid solutions.

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Today's Cat material handling machines have a heritage that dates back to the 1930's.





1 + 3 Bulk handling
2 Wood handling

Dedicated to your needs

Scrap, recycling & waste re-handling

In this demanding environment, machines need to be flexible, tough and able to fulfil a multitude of tasks with a multitude of different materials. Caterpillar's range of both tracked and wheeled material handlers can effectively sort and stockpile materials, load and unload vehicles, and clean up the site at the end of the day.

Warehousing and stockpiling

Facilities, such as these, use a range of Cat® machines from the material handlers to the wheel loaders, for jobs that involve careful unloading and moving of bulk materials. Various tool options allow Cat machines to be converted for different jobs such as sorting through piles or stacking pallets, recovering materials and loading them onto trucks, trains or barges.

Seaports

Time lost loading and unloading cargo can be costly as well as frustrating. Because we have a range of machines specifically adapted to the needs of port professionals, we can help you get the job done quickly and efficiently and keep shipping moving.

Inland ports

Cat machines, such as the wheeled and tracked material handlers, and loaders are particularly useful in the rapid movement of materials between different modes of transport. They can often be found working as loaders and carriers, movers and sorters in this transient working environment.





1 Bulk handling for inland waterways application
 2 Machine monitoring control
 3 Scrap handling application, orange peel grapple

Wheeled and tracked Material Handlers

Wheeled Material Handlers – Versatile

Lifting Performance

Wheeled material handlers have the power, reach and controllability to sort materials, unload barges, load trucks and feed various machines such as smelters or hoppers, all from a comfortable distance. They are popular machines in all material handling segments and because of their wheels, they can transport a grapple-full of material over short distances, stretching their usage to more mobile jobs.

Tracked Material Handlers – Maximized

Lifting Performance

Tracked material handlers have a large choice of long front parts and work tools. This makes them particularly useful in scrap yards, recycling plants and ports. They can effectively load and unload, sort and cast a range of loose materials from scrap metal to bulk materials. Also, because they're on tracks, they will still remain stable on slippery, uneven surfaces.

Work tools

- Orange peel grapple
- Range of clamshell buckets
- Range of grapples for various commodities
- Magnet





1



2

- 1 Hydraulic cab riser
- 2 Cleaning application with magnet



Maximized lifting performance

Wheeled and Tracked material handlers come equipped with:

- Engines with ACERT™ Technology use unique emission reduction technology to ensure reliable productivity through machine uptime.
- New front parts designed to withstand greater torsions allowing the machine to deliver higher productivity.
- Pre-screens on doors and the engine hood to catch debris and prevent radiator plugging.
- A choice of undercarriages and front parts providing different combinations of stability, reach and productivity in line with jobsites and application requirements.
- A Heavy Lift Mode which allows extra heavy loads to be safely lifted over the front and side, when activated.
- Joysticks which include proportional thumbwheel switches giving the operator precise control of the tool rotation and cab elevation.

- A new monitor and software that saves a significant amount of effort when displaying information such as liquids levels and temperatures.
- Hydraulic or fixed cab risers that provide operators with the visibility they need to safely do the job.

Work tools

- 4 or 5 tines orange peel grapple
- Sorting grapple
- Magnet
- Range of clamshell buckets
- Range of grapples for various commodities



1



2

1 Advisor monitoring system (AMS)

2 Elevated sprocket design

Track-Type Tractors

Maneuvering materials

With their various blades and undercarriage options, track-type tractors can be adapted to work with a variety of materials, in a multitude of tasks. In seaports they are commonly used for stockpiling applications. Combining them with track-type loaders is one of the most efficient ways to unload ships - while your track-type tractors push and sort the material into manageable piles, track-type loaders can collect and feed the material to a crane or into containers.

Track-type tractors come equipped with:

- 4 lifting eyes to load/unload the machine in the ship hold.
- Differential steering for excellent maneuverability in tight areas.
- Various undercarriage options for the best floatation, traction, reducing overall dock time and increasing productivity.
- SystemOne™ undercarriage to increase durability.
- An elevated sprocket to protect transmission from shocks.
- A cab that provides excellent comfort with ergonomics controls and air conditioning, plus outstanding visibility through large windows and additional lights.
- The multi-velocity program (MVP).
- A choice of large blades to increase your machine's productivity.

Available on the D6N:

- Bottom guards designed to prevent retention of dust and water.
- Louvered-hinged radiator grill reduces any dust re-circulation.
- Spark arrestor muffler prevents sparks from igniting any spilt fuel.
- 6 fins per inch aluminium core radiator keeps the machine cooler for longer and are easy to clean.

Work tools

- Blades for various materials such as coal and woodchips.





Track-Type Loaders

Flexible utility machines

Track-type loaders are versatile machines due to their various bucket options and tracked undercarriages. They can load and unload trucks or trains, and sort a range of materials from recyclables to wood. Track-type loaders are productive machines, ideal for pushing material to the center of the ship hold for collection by fixed cranes.

Track-type loaders come equipped with:

- 4 lifting eyes to load/unload the machine in the ship's hold.
- Hydrostatic transmission that provides excellent maneuverability and ease of operation.
- Undercarriage options for the best match between floatation and traction.
- SystemOne™ undercarriage to increase durability.
- A cab that provides excellent operator visibility with large windows and additional lights, plus additional comfort from ergonomically designed controls and air conditioning.
- Windshield protection against large debris, a heavy-duty bumper and bottom guards designed to prevent any retention of dust or water.

- Centre hole tracks that prevent material retention on the tracks.
- New Service Centers to access, easier than ever before, all hydraulics and electrical components for regular maintenance, servicing and diagnostics.

Work tools

- Range of general purpose and multi-purpose buckets



1 Ship hold application
2 Landfill application



1



2



3

- 1 Electro-Hydraulic implement controls
- 2 Cooling system
- 3 Engine compartment access

Medium wheel loaders

Multi-purpose cargo lifters

Medium wheel loaders are a good choice for facilities that need a reasonably sized machine with the strength and control to work on jobs such as shifting materials, feeding hoppers and preparing sites. Each machine comes equipped with an innovative combination of both proven and enhanced technologies, creating one of the most reliable, all-rounded machines in material handling.

H-Series medium Wheel Loaders come equipped with:

- ACERT™ Technology engines and its proven technology of optimised combustion to meet new emission regulation while maintaining fuel efficiency, reliability and durability.
- New Cat hydraulic valves which allow smooth simultaneous lift and tilt controls for greater feel and accuracy.
- New Cat load-sensing pump (for 950H up to 972H) which provides flow on demand for a more productive and fuel-efficient machine.
- Excellent overall cab visibility allowing operators to work safely and productively: good side visibility with top to bottom windows, sloped hood giving the best rear visibility on any machine in the industry.
- Rear view camera option for even closer rear visibility.
- Optional high intensity discharge lights (two at the front and two at the back) that guarantee exceptional night-time visibility.
- Electro-Hydraulic implement controls come as standard on the H-Series and provide finger tip control with low effort levers for extra comfort and productivity.

- Fine modulation that allows operators to increase precision of tilt and lift levers and provide a precise control of the linkage.
- In-cab programmable kick-outs (lift, tilt, and return to dig) that provide instant machine adjustments and enhance productivity.
- A perforated trash grill that catches debris and prevents plugging of the radiator.
- 6 Fins per inch heat exchanger cores make sure the system stays cleaner for longer.
- New Service Centers to access, easier than ever before, all hydraulics and electrical components for regular maintenance, servicing and diagnostics.

Work tools

- High dump bucket
- Large capacity bucket
- Waste/Light duty bucket
- Carriage and pallet forks
- Quick coupler



Large wheel loaders

Material handling giants

Cat large wheel loaders are the 'goliaths' of material handling, which is why they are mandatory in large seaport environments. Due to their size, power and a multitude of work tools, they can lift and carry, push or spread the largest volumes of materials in the shortest space of time. If you're looking for machines that can handle huge tasks, look no further than Cat's range of large wheel loaders.

Large wheel loaders come equipped with:

- Optimal design for excellent rack back and dump angles.
- A complete system based around a quick coupler and a series of rugged tools especially for handling and manipulating large amounts of materials.
- High rotation linkage and modified pin positions provide greater dump angles at lower lift heights.
- Drilled bucket links provide protected routing for lubrication lines.

Work tools

- Large capacity bucket
- Waste/light duty bucket
- Quick coupler



- 1 Rear-view camera
- 2 ACERT™ Technology
- 3 Easy maintenance

Integrated toolcarriers

All purpose handler

Different materials demand different techniques. That's why the IT38GII and IT62H are specially built for high utility material handling. They're compatible with a complete range of work tools and they have the muscle and maneuverability to get materials where they need to be, quickly. Whether it's feeding loose grain into a hopper or unloading a truckload of pallets, Cat's integrated toolcarriers are the right machine for the job.

Integrated toolcarriers come equipped with:

- ACERT™ Technology Engine and load sensing hydraulics system for improved fuel efficiency.
- A hydraulic, quick coupler system that allows a fast exchange of work tools from inside the cab and quick disconnects for manual hydraulic changes.
- An 8-bar linkage that delivers parallel lifting to keep loads level throughout the cycle, plus, a load sensing hydraulic system to save fuel with electro hydraulic control levers to optimize operator maneuverability.¹
- In cab programmable kick-outs (lift, tilt and return to dig) for instant machine adjustments to suit your working conditions.¹
- Excellent machine stability and payload capacity with larger counterweight.
- An optional rear view camera for increased visibility and productivity.
- Engine Low Idle Management (EIMS) maximizes fuel efficiency and provides flexibility in managing idle speeds for specific application requirements.

- Ergonomically designed cabs with layouts that provide comfortable operating conditions and low sound levels.
- Excellent work tool visibility with an uncluttered hydraulic hose routing.
- Easier serviceability with sight gauges for level checks of engine fluids and a Cat monitoring system, plus ground level cleaning with a swing-out front grill and side panel access for the cores.
- A cooling system designed to reduce radiator plugging, plus an on-demand fan that adjusts to the requirements of the machine, increasing fuel efficiency.

Work tools

- Buckets varying from general use to specialized
- Brooms
- Carriage and pallet forks
- Material handling arms

¹ Only available on IT62H.





Small wheel loaders

Versatile Power

Regardless of their size, Cat small wheel loaders pack the necessary power to shift various heavy materials. They're particularly useful as backup machines for larger vehicles since they can access size-restricted areas, indoors or outdoors. What's more, they utilize innovative design, user-friendly technology and Cat's wide range of work tools, to become the most versatile machines in material handling.

Small wheel loaders come equipped with:

- Spacious cabs that have been ergonomically designed for operator comfort and excellent visibility.
- An optional rear view camera that offers excellent rear visibility, increasing productivity and reducing the risk of damage to the machine.
- A clear, ground level access to all components, plus colour-coded numbered wiring, swing out components, sight gauges and scheduled oil sampling ports, for faster cleaning and maintenance,
- A choice of 6 hydraulic functions (on the 930G) and adjustable flow on the 3rd hydraulic function (integrated into one joystick on the 924G and 930G) allowing a proportional control of work tools and increasing the machine's versatility.
- A quick steer option (on the 930G) gives one quarter of the traditional wheel movement to achieve the same turn, reducing operator fatigue and giving faster truck loading times.

- VersaLink™ loader linkage (on the 924G and 930G) combines parallel lift and Z-Bar linkage, and spreads the load evenly for increased versatility, productivity and return on investment.
- An optional high lift VersaLink™ provides an additional 483 mm of lift height or 406 mm of reach at the horizontal loader arm position (on the 924G and 930G).

Work tools

- Range of buckets for different materials
- Material handling arm
- Quick coupler
- Carriage and pallet forks
- Brooms



1



2

1 Shredder feeding

2 Transfer station application



1 + 3 High-lift for truck loading
2 Easy maintenance

Skid Steer Loaders

For the big tasks in small spaces

If you're looking for a compact machine that can handle the big tasks, then look no further than Cat's range of skid steer loaders. They can load and carry materials with ease and their size makes them ideal for indoor jobs, such as scooping up material and cleaning floor space. They can even be lifted into places, such as barges or rail wagons, to finish the jobs that were previously out of reach.

Skid steer loaders come equipped with:

- Excellent control and maneuverability due to low effort ISO style pilot controls as standard.
- Unmatched auxiliary hydraulic horsepower and thumb roller variable auxiliaries making it easier to power grabbers, shears and sorting buckets.
- A range of tire options including Flexports with low sidewalls, reducing the likelihood of punctures in even the toughest scrap and waste applications but still giving the ride characteristics of pneumatic tires.
- Vertical Lift linkage providing more useable reach, ideal for truck loading and pallet work.
- Easy access for cleaning and service.

Work tools

- Buckets
- Brooms
- Carriage and pallet forks
- Industrial grapples
- Quick coupler
- Blade
- Material handling arm





Complete customer support

Cat dealers are dedicated to help you find the right machine for the job.

SERVICES

A wide range of services can be set up under a Customer Support Agreement so you get the best out of your investment.

PRODUCT SUPPORT

Cat dealers utilize a worldwide network to find parts, while alternative solutions such as Reman, Classic™ Parts and quality used parts, can save you money.

SERVICE CAPABILITY

From the workshop to on-site visits, Cat service technicians use the latest technology and tools to keep machines working.

MAINTENANCE

Cat dealers offer a range of maintenance services, e.g. the repair option program guarantees the cost of repairs up front, whereas diagnostic programs, S•O•SSM Fluid Analysis and Technical Analysis, help you to avoid unscheduled repairs.

What's good for the environment is good for business

Caterpillar remanufacturing – high technology processes bring tired products back to life

Cat remanufacturing (Reman) has the capacity to remanufacture thousands of used Caterpillar machine parts. Cat uses a host of remanufacturing technologies, including environmentally-friendly cleaning, computer-controlled inspection and leading-edge techniques which allows end-of-life components to be brought back to the same standards of quality, efficiency and reliability they had when they were new.

ACERT™ Technology - turning emission regulations into business benefits

Emission regulations are pushing all equipment manufacturers to reduce the levels of gases like NO_x, CO₂ and also to reduce particulate matter.

Conventional methods can cause increased wear and over time parts become susceptible to degradation. At Caterpillar we took a new and different route. Cat engines with ACERT Technology do more than help clean the air. By going straight to the combustion process, they burn fuel with more precision and more efficiency, while maintaining engine performance. It is a solution developed without compromising power or reliability. Cat engines with ACERT Technology use historically proven reliable components. As a result you get machines that meet regulatory requirements with a superior power system, which won't get obsolete as regulations tighten. ACERT Technology is provided in C7, C9, C11, C13, C15, C18, C27 and C32 engines.

Services

When it comes to material handling, Caterpillar is a one-stop shop.

Cat World Trade

We trade Caterpillar products for the goods and services that you produce. By leveraging our extensive purchasing base, we can create transactions specifically to meet your needs as a material handling professional.

Cat Insurance Services

Through Cat Insurance's Equipment Protection Plan, we offer a variety of extended warranty options, to protect you against component failures.

Cat financial

We offer a wide range of financing and leasing options so you can acquire the Caterpillar products you need when you need them.

OEM solutions

OEM Solutions provide integrated solutions, products and services to external customers that work in close partnership with Caterpillar.



Machine specifications

WHEELED MATERIAL HANDLERS

Model	Engine	Net power kW/hp	Operating weight kg	Max reach/height/depth m*
M318D MH ¹⁾	C6.6 ACERT™	124/169	23 400	11.0/12.0/2.2
M322D MH ¹⁾	C6.6 ACERT™	123/167	25 700	12.5/13.3/2.9
M325D MH ²⁾	C7 ACERT™	140/190	30 900	15.7/17.1/6.4
M325D LMH ²⁾	C7 ACERT™	140/190	35 300	15.7/17.6/5.8

¹⁾ 2400 mm cab riser ²⁾ 2600 mm cab riser *At stick nose, with straight boom and drop nose stick

TRACKED MATERIAL HANDLERS

Model	Engine	Net power kW/hp	Operating weight kg	Max reach/height/depth m*
325D MH	C7 ACERT™	140/190	35 300	13.0/13.4/6.1
330D MH	C9 ACERT™	200/268	45 400	16.0/16.8/7.1
345C MH	C13 ACERT™	239/321	55 800	18.0/18.0/8.4
365C MH	C15 ACERT™	302/404	77 000	19.9/20.1/7.2
385C MH	C18 ACERT™	382/513	90 000	21.8/21.9/8.3

*At stick nose, with straight boom and drop nose stick

TRACK TYPE TRACTORS

Model	Engine	Net power kW/hp	Operating weight kg	Blade
D5N	3126B ATAAC	86/117	13 670	VPAT
D6N	3126B ATAAC	112/152	15 900	VPAT, SU
D7RII	3176C	179/243	24 760	S, SU, U, A
D8T	C15 ACERT™	231/314	38 660	S, SU, U, A
D9T	C18 ACERT™	306/416	49 600	SU, U
D10T	C27 ACERT™	433/589	65 800	S, SU
D11R	3508B	634/862	104 600	SU, U
D11R CD	3508B	634/862	113 000	CD

TRACK TYPE LOADERS

Model	Engine	Net power kW/hp	Operating weight kg	Bucket Capacity m³
953C ¹⁾	3126B ATAAC	95/129	15 150	1.6 - 1.85
963C ¹⁾	3126B ATAAC	118/160	19 590	2.0 - 2.45
973C ²⁾	C9 ACERT™	178/242	26 400	2.9 - 3.20

¹⁾ 4 welded lifting eyes on the rear bumper and lift arm ²⁾ transfer station package available

MEDIUM WHEEL LOADERS

Model	Engine	Net power kW/hp	Operating weight kg	Bucket Capacity m³
938GII ¹⁾²⁾³⁾	3126B ATAAC	134/182	14 700	2.3 - 4.8
950H ²⁾³⁾	C7 ACERT™	147/200	19 500	2.7 - 4.0
962H ²⁾³⁾	C7 ACERT™	158/215	20 630	2.9 - 4.8
966H ²⁾³⁾	C11 ACERT™	195/265	27 300	3.5 - 4.8
972H ²⁾³⁾	C13 ACERT™	214/291	27 500	3.5 - 5.5
980H ²⁾³⁾	C15 ACERT™	237/322	31 200	4.5 - 6.1

¹⁾ Corrosion Resistance Package available ²⁾ Waste Handling Package available ³⁾ High Lift Arrangement available

LARGE WHEEL LOADERS

Model	Engine	Net power kW/hp	Operating weight kg	Bucket range m³
988H ^{1,2,3,4,5)}	C18 ACERT™	354/481	50 800*	6.9-7.7
990H ^{1,5,6)}	C27 ACERT™	468/636	77 840**	8.4-9.2
992G ^{1,6)}	3508B	597/812	94 930	11.5-12.3

¹⁾ Linkage / Lift Arrangement option Available ²⁾ Bulk Loading Package ³⁾ Block Handling Package ⁴⁾ Waste Handling Package ⁵⁾ Steel Mill Package ⁶⁾ Logging Package *Specs for 3.88 m Linkage **Specs for Standard Lift Arrangement

INTEGRATED TOOLCARRIERS

Model	Engine	Net power kW/hp	Operating weight kg	Bucket Capacity m³
IT38G II ¹⁾	3126B ATAAC	134/182	14 580	2.2 - 2.8
IT62H ¹⁾	C7 ACERT™	158/215	19 400	3.25 - 4.25

¹⁾ Waste Handling Package

SMALL WHEEL LOADERS

Model	Operating weight kg	Bucket Capacity m³	Dump Clearance at full lift and 45° discharge mm	Tipping load, full 40° turn kg
924Gz	10 846	1.7 - 2.1	2828	7642
924G	11 335	1.7 - 2.8	2828	7232
928Gz	12 308	1.9 - 2.3	2879	8587
930G	12 809	2.1 - 3.1	2926	8223

SKID STEER LOADERS

Model	Engine	Net power kW/hp	Operating weight kg	Rated Operating Capacity kg
216B	3024C	37/50	2590	635
226B	3024C T	43/58	2650	680
226B High Flow	3024C T	43/58	2680	680
232B	3024C	37/50	3020	793
236B	3044 DIT	53/72	3180	793
242B	3024C T	43/58	3090	907
242B High Flow	3024C T	43/58	3130	907
246B	3044 DIT	59/80	3240	907
248B High Flow XPS	3044 DIT	57/78	3320	907
262B	3044 DIT	59/80	3570	1224
268B High Flow XPS	3044 DIT	57/78	3630	1224

ATAAC Air to air aftercooled.

ACERT™ Advanced combustion emissions reduction technology.

Actual operating weight will depend on final machine configuration.

Net power is based on ISO 9249. All engine horsepower (hp) are metric.

C7, C9, C11, C13, C15, and C18 are Cat engines with ACERT™ Technology.

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