



# All-Wheel Drive Outdoor Vacuum

Madvac LR50



# Allianz Madvac - The benchmark for vacuum collector

48

HOUR

USA AND CANADA  
PARTS SHIPMENT

30

THOUSAND

PARTS IN STOCK  
WORLDWIDE

125

STRONG

WORLDWIDE  
CUSTOMER SERVICE  
NETWORK

Madvac is the world's leading manufacturer of outdoor surface cleaning equipment. We are unique among vacuum collector manufacturers in that our comprehensive range of machines means we are able to offer the right product for your application—whatever you are trying to clean.

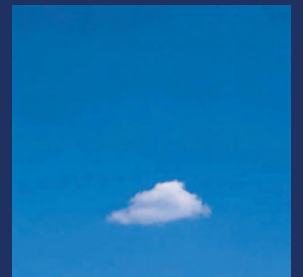
## The Madvac LR50 is designed to deliver industry-leading vacuum litter collecting technology:

- Ease of use
- Outstanding performance
- Reliability, durability
- The lowest possible cost of ownership

With durable, rugged construction, high performance suction and a design that meets all international safety and environmental standards, the LR50 sets the global benchmark for vacuum litter collector quality.

Available in custom colors and graphics to advertise your efforts.

RIGHT  
**Madvac**  
*A cleaner  
environment for  
everyone*



For vacuum litter collecting sidewalks, walkways, plazas, public markets, alleyways and other areas with high pedestrian traffic, there's nothing quite like the LR50! Madvac machines are used worldwide because: **They work. They last. They pay for themselves. Fast!**

**RIGHT**  
2 or 10  
micron dust  
filtration

**FAR RIGHT**  
Weather shield /  
Roll-over protection



ABOVE  
New robotic  
arm controlled  
via a joystick

## The friendly vacuum litter collector

### Efficient Cleaning

Expertly designed to meet the cleaning challenges of today's busy streets, the Madvac LR50 is a high profile, cost-efficient cleaning machine that safely and effectively cleans city sidewalks, parks and streets. It even gets into confined places.

### Exclusive patented power assisted vacuum arm

- **Up / Down control switch** located on a vacuum arm results in easier operation eliminating fatigue and potential for workers' compensation claims.
- **270-degree hose movement with 24 sq.ft. (2.2 m<sup>3</sup>) working area** – Industry-leading accessibility to litter

### Safety comes first

- **R.O.P.S. – Roll Over Protection System** – Provides extra measure of safety. Certified OSHA 1926.1001.
- **340 degree rear visibility** – Lessens chance of serious accidents
- **Cab enclosure** – Keeps you dry and comfortable.
- **Heavy-duty coil spring rear suspension** – Means more comfort, better traction and a safer ride.
- **Complete road lighting and signaling package** – It's street legal.
- **All wheel drive (option)** – The first and only real off-road litter machine

### Protect your environment

- **Advanced 2 or 10 micron dust filtration** – Keeps you, pedestrians and your environment clean
- **Noise suppression pack** – Only machine that quietly meets OSHA noise standards for continuous 8-hour shifts.



ABOVE  
Madvac LR50



ABOVE  
Handle tight spots  
with easy access for  
litter removal



ABOVE  
Superior rear  
visibility

# The Madvac Advantage

## Protect your environment

Now you can safely vacuum collect next to pedestrians, cleaning up litter as it occurs. This vacuum litter collector raises your profile, letting citizens and local businesses know how serious you are about improving their environment.

## Innovative ergonomics

- **Ergo design vacuum handle**
  - Adjustable position for effortless use
- **High operator seating** – For superior visibility and ease of hose movement
- **Full instrumentation** – Easy to read control panel gauges

## Industry-leading performance

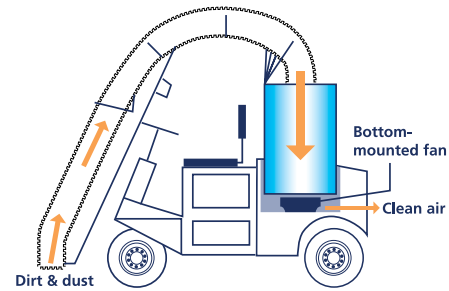
- **Up to 16 mph (25km/h) road speed**
  - Cover more area in less time
- **Front wheel drive** – 20" (508 mm) drive wheels climb 7" (178 mm) curbs with ease
- **2900 CFM Vacuum Rating**
  - Industry leading vacuum picks up the heaviest litter!
- **On/Off Road** – Access litter on grass-covered grounds, asphalt or concrete
- **Unequaled suction** – Unrestricted airflow due to 2-stage litter and dust filtration-litter never blocks the filter
- **All welded heavy gauge structural steel frame** – Built to last

## Efficient, fast collection

- **Vacuum compacts litter at approx. 2:1 ratio** resulting in 100-120 gallons (378-454 L) into a single heavy-duty disposable / re-usable bag. Due to its patented straight-through suction system, litter is easily collected up to 6 times faster than manual litter picking.

## Engineered for greater productivity

- **48" (1.2 m) wide vacuum head** cleans 105,00 sq.ft. (14,000 m<sup>2</sup>) / per hr.
- **Patented Power arm** makes litter picking effortless and injury free.
- **Bagless debris system** – Offers choice of off-the-shelf standard garbage bag or re-usable collector bag - for easy 30 sec. bag changes.
- **15 ft. (4.5 m) wanderhose hose** – Permits litter retrieval in hard-to reach areas.
- **4 wheel configuration** – 85" (2.2 m) overall length allows cleaning in areas inaccessible to other machines.



ABOVE  
Patented Straight Through suction combined with 2 or 10 micron dust filtration gives dust-free working environment.



LEFT  
The ergo robotic joystick controlled vacuum arm results in productivity 6 times faster than a manual picker.

## Options & Accessories

Madvac offers a full range of accessories aimed at making the operator's job more effective & productive.

### 36/48 Inch Vacuum Head Assembly

A 36 or 48 inch (0.9 - 1.2 m) vacuum head - hydraulic raise/lower features dual VacPort for increased ground coverage in a single pass.

### Cab Enclosure

Overhead guard mounted on OSHA certified 1926.1001 R.O.P.S. with front windshield, complete with wiper. Available on 3 or 4 wheel versions.

### 5" x 15' Retractable Wanderhose

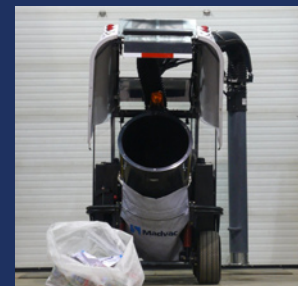
Handheld hose extension features retractable hose that stores onboard to permit litter collection from hard to reach areas. Vacuum diverter delivers 100% vacuum suction to the extension hose.

## Productivity Options

- Fenceline nozzle elbow
- Ultraseal tire flatproofing
- Broom & Rake Holder
- Fire extinguisher
- Diesel safety shut-down
- Emergency stop button
- Catalytic converter (exhaust purifier)

RIGHT  
Collection system  
designed for trash  
pick-up.

Unequalled suction with  
straight through suction  
system



ABOVE  
Quick and easy bag removal  
and replacement.



## LR50 Vacuum Litter Collector Specifications

### Engine

Kubota Diesel, 28 hp, liquid-cooled  
 Kohler Gasoline, 31 hp, liquid cooled  
 Ford Propane, 36 hp, liquid-cooled

**Fuel capacity:** 10.6 gallons (40 L)

**Air cleaner:** 2 stage, Donaldson w/ restriction indicator

### Dimensions

**Width:** 48 in. (1219 mm)

**Length:** 84 in. (2133 mm)

**Height:** 96 in. (2438 mm)

**Wheelbase:** 63 in. (1600 mm)

**Ground clearance:** 8 in. (203 mm)

### Hydraulic System

**Tank capacity:** 12 gallons (45 L) w/ internal baffles for improved cooling

**Hydraulic Cooler:** Hayden, fin type

**Steering:** Automotive type, power assisted

**Drive system:** Heavy duty Eaton hydrostatic, w/ variable displacement piston pumps

**Auxiliary system:** double gear pump for fan motor & power ass't vacuum hose option

### Litter collection system

**Litter capacity:** 100-120 gallons

**Litter container size:** 60 gallons (227 L)

**Type:** " Flow through " system w/ approx. 2:1 compaction ratio

**Container construction:** 18 gauge galvanized steel

**Vacuum Hose:** 8 in (203 mm) diameter, reinforced, twin gas strut assisted

**Bags:** Reusable, fibrous polypropylene

### Vacuum System

**Vacuum rating:** 2,900 CFM

**Air flow speed:** 8,400 Ft/Min.

**Static pressure @ closed inlet:** 30 in. of water gauge

**Impeller fan:** Hydraulically driven, cast alloy statically & dynamically balanced centrifugal fan

### Frame/Body

Heavy gauge steel body on a welded 1/8" structural steel tube frame

Twin lockable storage compartments

Electrostatic powder coat paint, factory white



#### 4 Wheel

**Road speed:** 0-16 mph (25 km/h) forward, 0-4 mph (6.5 Km/h) reverse

**Drive:** Front wheel drive, Optional Four-wheel drive

**Tires:** (4) – 20 x 8.50-10, 4 Ply radials

**Brakes:** Hydrostatic front, disc brake on rear, mechanical parking brake

**Suspension:** Multi layer transverse leaf springs on a torsion beam axle

**Weight:** 2,060 lbs (935 Kg.)

#### Controls

Key start w/ electric shutoff

Vacuum fan on/off

**Gauges:** Hourmeter, ammeter, fuel, water temperature

#### Electrical System

12 volt, 40 Amp alternator (35 Amp, Gas)

All fused circuits

Color-coded wiring w/ weather proof connectors

#### Warranty

1 year 100% warranty.  
Lifetime fan and fan casing warranty

#### Optional equipment

Hydraulic power assisted vacuum arm

All-wheel drive

Rear coil spring suspension shock absorbers

Neutral safety start switch

OSHA certified 1926.1001

R.O.P.S. with weather shield

Cab enclosure with 4 post R.O.P.S

2-micron or 10-micron panel dust filtration

Road lighting package

36 or 48 in. (915 mm or 1219 mm) vacuum head nozzle assembly

15' retractable wanderhose

Fence line elbow

Sound suppression pack

31 hp Turbo diesel

Custom Paint Colors

Back up alarm and lights

Madvac compact vacuums clean everywhere and any surface.

## Madvac - Specialty Sweepers & Vacuums



From left to right  
61, PS300, CN100, LT500

### 125 DEALERS ACROSS 82 COUNTRIES ARE READY TO SERVE YOU.

Our extensive network of authorized dealers are carefully selected, highly trained, and thoroughly committed to provide a level of customer service and support that is unmatched in the sweeper industry.

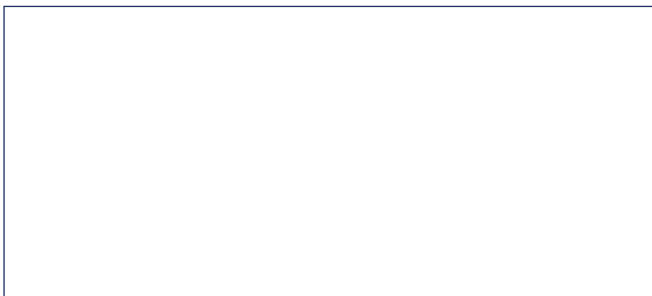
That's your assurance of maximum road time, low operating cost per mile, and a thoroughly satisfying, long-term relationship with your sweeper company.

### ALLIANZ'S COMMITMENT TO YOU

Our guarantee of service and performance continues long after the sale:

- Most comprehensive warranty in the industry
- Guaranteed 48-hours parts shipment
- State-of-art training facility

Your local Madvac Dealer is:



Call today for a free catalog,  
video or demonstration.

Call TOLL FREE:  
1-800-862-3822



#### Allianz Madvac Inc.

4651 Schaefer Avenue, Chino  
CA 91710, USA

1690 Eiffel, Boucherville,  
Quebec J4B 7W1, Canada

Toll-Free 1 800 862-3822

Tel.: 1 (450) 616-8100

Fax: 1 (450) 616-8103

E-Mail: [info@allianzmadvac.com](mailto:info@allianzmadvac.com)

Web: [www.allianzmadvac.com](http://www.allianzmadvac.com)