



Committed to the Cut.®

# FRONTMOUNT™ TRUE ZEROTURN™ MOWERS 500V SERIES



FRONTMOUNT™ PERFORMANCE IN AN AFFORDABLE PACKAGE



# TURN LABOR INTO LEISURE.

Mowing can be hard, sweaty work — especially if you've been using a push mower or lawn tractor that takes a lot of effort to operate. But, what if there was a solution that took the work out of lawn care and replaced it with a sense of enjoyment?

There is.

The most compact and affordable FrontMount™ zero-turn mowers on the market today, Grasshopper 500V Series mowers are designed from the blades up to make mowing faster, easier, more comfortable and more enjoyable than you ever thought possible.

We've spent years refining, testing and retesting our 500V Series mowers to ensure they deliver the same, unrivaled performance, long-lasting durability and carpet-like cut that have made Grasshopper a favorite among turf care professionals for more than 50 years — all in a compact package with convenient PowerFold® Electric Deck Lift for easy access to the underside of the deck.





## THE LONGEST-LASTING MOWER IN ITS CLASS

The 500V Series FrontMount™ zero-turn mowers are built with commercial-grade features you won't find in most mowing equipment. When considering your next mower, look for features such as:

- Sentry™ spindle guards protect bearings from debris
- Fused, automotive-style circuits
- Service-friendly design for ease of maintenance
- Kevlar-type belts for extended belt life
- ¼-inch-thick MARBAIN® steel blades for longer blade life
- 5-bolt wheel pattern to handle side loads and curb shocks
- 8-inch spindle flanges with 6-bolt pattern for added strength
- Anvil-edge deck design protects the leading edge
- Dust-proof fork bearings to seal out contaminants
- 5.5-inch-deep decks for superior airflow
- Double-laminate deck top across entire width of deck

**LIMITED WARRANTY**  
**2 YEAR**  
— 800 HRS —  
**COMMERCIAL**  
**4 YEAR**  
— 800 HRS —  
**RESIDENTIAL**

Your 500V Series FrontMount™ mower will work harder, last longer and deliver dependable performance season after season. It will still be delivering carpet-like cuts, while retaining its value as a re-sellable asset when you do decide to trade it in for a new Grasshopper mower.



# FRONTMOUNT™ ADVANTAGES

THE BENEFITS ARE RIGHT IN FRONT OF YOU.



## PANORAMIC VISIBILITY

Cut grass before you drive over it, so you can mow and trim closely around obstacles without twisting or turning to see the edge of the deck.



## OUTFRONT REACHABILITY

Reach in and out of tight spaces or under low-hanging trees, shrubs and fences, eliminating time-consuming string trimming.



## SMOOTH, EVEN CUTTING

Floating FrontMount™ decks follow the contours of the terrain independently of the power unit, so you can count on a picture-perfect cut, every time – even in rolling terrain.



## SUPERIOR STABILITY & TRACTION

A low center of gravity hugs the ground and balanced front-to-rear weight distribution provides a lighter footprint and enhanced traction – with turf tires.



## POWERFOLD® ELECTRIC DECK LIFT

Enjoy precision electric height adjustment or rotate the deck to a near vertical position for easy cleaning and blade replacement or sharpening.



## EASY MAINTENANCE ACCESS

Out-front cutting decks offer convenient top-side access that lets you reach belts and lubrication points quickly and easily without tools.

# COMFORT IS A PRIORITY

## A SMOOTHER RIDE GIVES YOU BETTER RESULTS.

Thanks to an integrated, maintenance-free, multi-point suspension system, soft-touch dual-lever steering, an iso-mounted footrest and the industry's most comfortable seat, a Grasshopper 500V Series mower delivers a smooth ride that won't leave you tired or sore. But comfort isn't just about how a mower makes you feel. It's also about how it affects your performance as an operator. A smoother ride means more precise control at faster mowing speeds, so you can be more productive and get better results. Plus, you'll step off your mower feeling just as good as you did when you stepped on.



### UNPARALLELED COMFORT

Sink into the deep-cushioned, premium seat, which features coil-spring suspension and padded lumbar support for all-day comfort. The seat is iso-mounted to eliminate vibration, and located at the very center of the zero-radius pivot point for a more comfortable ride. Both padded seat and armrests are covered in scuff-resistant, breathable CoolTemp Cordura® fabric, which dissipates heat to keep you cooler and won't tear or crack with extended use.

### RESPONSIVE STEERING

If you've pushed a shopping cart, you can operate a Grasshopper. Hydra-Smooth™ dampened dual swing-out levers deliver effortless control of speed and direction, easily adjust to your reach and automatically return to neutral when released. "Soft touch" levers move with minimal pressure, so they're easy on arms and elbows and much less strenuous than conventional steering wheels.

### ERGONOMIC CONTROLS

The ergonomically designed View-Eze™ operator station maximizes visibility and puts every operational control at your fingertips. Console-mounted instruments include low engine oil pressure and parking brake indicator lights, and a push/pull PTO switch. The throttle lever and choke are combined for starting convenience.



# FRONTMOUNT™ CUTTING DECKS

## CUTTING PERFECTION. LASTING DURABILITY.



### POWERFOLD® ELECTRIC DECK LIFT

#### EFFORTLESS LIFTING & HEIGHT ADJUSTMENT

Raise the cutting deck to a near vertical position at the touch of a switch for easy access to the underside for simplified maintenance and space-saving portability. PowerFold® also provides electric cutting height adjustment from 2.0 to 4.5 inches.

### ONE DECK

#### THREE WAYS TO HANDLE CLIPPINGS

Grasshopper decks let you change the way you mow without changing decks. Easily convert from standard side discharge to optional Down Discharge™ mulching or PowerVac™ collection in minutes without investing in expensive “specialty” decks or equipment. Get the same great cut, no matter what is chosen.



SIDE  
DISCHARGE

MULCH

COLLECT

### OPTIONAL SIDE DISCHARGE CONTROL KIT

Control clippings from the operator's seat. Close to temporarily avoid putting clippings in flower beds or on sidewalks. Open to side discharge. (Does not replace Down Discharge™ Mulching Kit.)

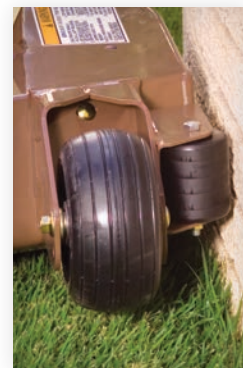


Closed

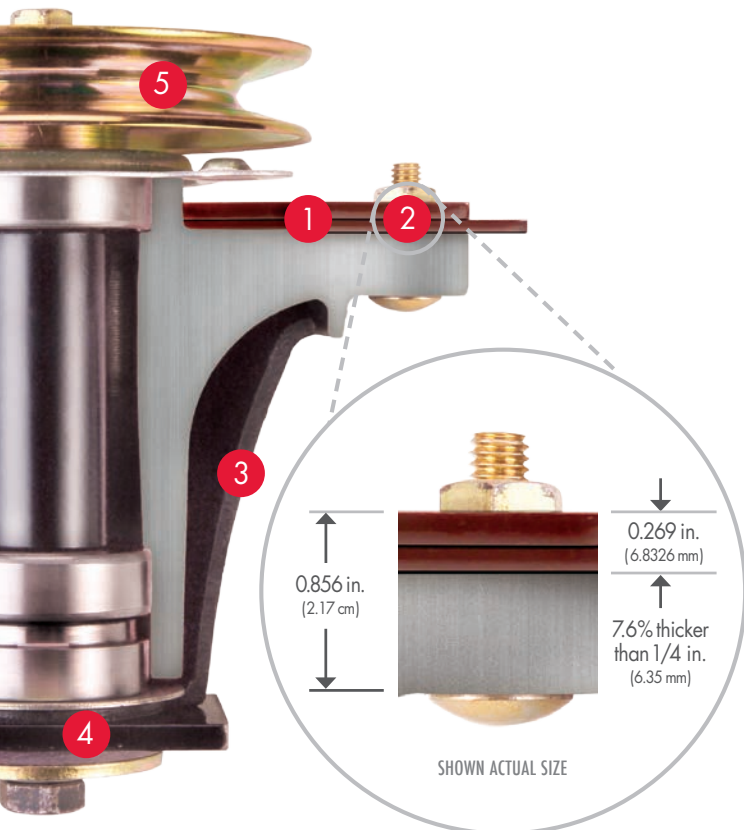
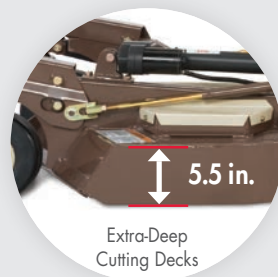
Open

### OPTIONAL ROLLER KIT

A TrimAide™ Roller, available for the 526V-52, features a vertical roller to speed close trimming near buildings, chain link fences and landscaping.



Grasshopper 500V Series mowers are designed from the blades up to deliver a picture-perfect, manicured cut. Extra-deep, 5.5-inch cutting decks are robotically welded and fabricated out of heavy-gauge-formed steel to be stronger than stamped steel decks. Specially designed cutting chambers enhance airflow for better clipping distribution. The anvil-edge design, with reinforced leading edge, protects against the bumps and scrapes common to mowing. Heavy-duty Kevlar® belts are manufactured to strict Grasshopper specifications for longer service life.



## THE INDUSTRY'S TOUGHEST SPINDLES

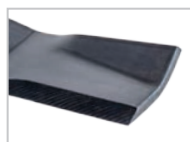
1. Massive 8-inch spindle flanges anchored in a 6-bolt pattern spread the force of impact for greater strength in tough mowing applications.
2. Double-layered, formed steel spindle plane is nearly 7/8-inch thick in stress zones.
3. Sentry™ spindle guards shield the spindle housing and seal lower bearings from fiber wrap, fishing line and plastic bags, as well as dirt ingestion.
4. Non-greasable double bearings are designed for high rotational speeds and minimal maintenance, and keep out dirt and moisture without the need for oversized spindles.
5. Split-steel pulleys are stronger than cast iron or stamped pulleys for exceptional durability to withstand wear and prolong belt life.

## A CHOICE OF BLADES FOR THE BEST CUT

Match your blades to your conditions with the GrassMax™ Blade System. Durable Grasshopper mowers are designed to support heavy-duty MARBAIN® blades that are 1/4-inch thick and hold their edge longer for a better cut and twice the life of aftermarket replacements. High-Lift Notched blades are available with LaserEdge™ technology as an option and require little or no sharpening for the blade life.



High-Low Mulching  
Down Discharge™ mulching



Medium Lift  
PowerVac™ collection



Contour  
Best manicured cut



High-Lift Notched  
Standard side discharge



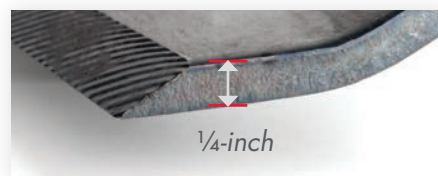
Extreme High-Lift Notched  
Lush or overgrown areas



Shredder™  
Shredding dry leaves



» Look for the Grasshopper logo and part number on the grass side of the blade to ensure you are using OEM blades.



Shown Actual Size

# ENGINES & TRANSMISSIONS

## THE POWER AT THE HEART OF IT ALL.

Never be short on power with a Grasshopper 500V Series FrontMount™ mower, thanks to commercial-grade engines and transmissions that ensure consistent, powerful performance. Engines and transmissions are tested in the field for thousands of hours before being approved to put into production, and every mower produced is run and tested before it leaves the factory to ensure that it lives up to our quality standards.



### FULLY HYDRAULIC TRANSMISSION

Design-matched, fully hydraulic Parker HTE Series transmissions with variable displacement, piston-type pumps and high-torque wheel motors transfer more power to the cutting deck for quieter operation, longer service life and enhanced traction that prevents wheel slip in turns. An in-line CoolFan™ hydro cooling system helps maintain optimum temperatures for smoother, more reliable operation and extended service intervals.

### CHOICE OF ENGINES

Designed specifically for turf care applications, these professional-grade, V-Twin engines deliver maximum torque and longer service life.



747 cc

### B&S COMMERCIAL TURF

Heavy-duty components enhance power and reliability, while a 5-step Integrated Cyclonic Air Management system provides clean performance and longer service intervals.



810 cc

### B&S VANGUARD

Remote-mounted, centrifugal multi-stage air cleaner with advanced debris management offers clean, reliable performance and extends service intervals and service life.

### MAINTENANCE: A SERVICE-FRIENDLY DESIGN

It's easy to keep your mower in peak operating condition. Low-maintenance components mean reduced costs and less work for you.

### FEWER LUBRICATION POINTS

Never make excuses for neglecting maintenance again. Less than five lubrication points means you can make quick, easy work of regular maintenance.

### BEST-IN-CLASS OIL CHANGE INTERVAL

Enjoy minimal maintenance with 300-hour CoolTemp HydroMax™ transmission fluid change intervals with no break-in period.



# POWERVAC™ COLLECTION SYSTEMS

## THE PERFECT FINISH, EVERY TIME YOU MOW.

Get a clean, manicured finish every time you mow — even in high-moisture conditions. Simply adjust your mowing speed to match conditions, and PowerVac™ will pick up virtually any type of debris. A trash-ingesting steel impeller reduces and compacts debris, so you can mow longer without emptying the collector. The deck-driven Quik-D-Tatch® Vac system installs in minutes without tools, making it easy to switch to side discharge or Down Discharge™ mulching quickly and easily.



### TWIN BAG: MODEL 8F

Twin 4-cu.-ft. reinforced, UV-resistant, rip- and tear-resistant bags remove easily to empty debris.



### TWIN BAG: MODEL 8HT

Features a hinged metal top for exceptional durability and metal props that hold the top open for easy emptying.

500V SERIES POWERVAC™ SPECIFICATIONS		
COLLECTOR MODEL	8F	8HT
Capacity		
8 cu. ft. (227 liters)*	•	•
Compatibility		
500V Series	•	•
Collector Type		
Rear-mounted; two slide-out mesh bags	•	•
Collector Top		
Hinged; fabric	•	
Hinged; metal		•
Quik-D-Tatch® Vac Drive		
Powered by a belt from the blade spindle. Mounts directly to the deck. Locked securely in place with thumbscrew. Includes Medium Lift blades.	•	•
Hose		
Semi-transparent flex hose for visibility and clog resistance.	•	•
Width w/Vac Unit Attached		
42 in. deck	54.5 in. (137.2 cm)	
52 in. deck	65.0 in. (165.1 cm)	
Mounted Length of Power Unit, Deck and Collector		
Model 524V-42	108.5 in. (275.6 cm)	
Model 526V-52	111.5 in. (283.2 cm)	
Weight (Collector, counterweight kit and mount kit)		
(Counter weights not required)	160 lbs. (72.6 kg)	180 lbs. (81.6 kg)

\*Mount Kit required



### QUIK-D-TATCH®

Exclusive Quik-D-Tatch® Vac can be removed in seconds without tools.



Models may be shown with optional equipment.

# 500V SERIES

## AIR-COOLED FRONTMOUNT™

Affordable  
performance in a  
FrontMount™  
package



**524V**

42

724cc, V-twin, OHV  
B&S Commercial Turf  
gasoline engine

**526V**

52

810cc, V-twin, OHV  
B&S Vanguard  
gasoline engine



● Standard deck    ■ DuraMax® deck

The Grasshopper 500V Series is the most economical and compact Grasshopper FrontMount™ mower available, providing all the maneuverability, cut quality and durability only Grasshopper True ZeroTurn™ mowers provide. Reach under low-hanging trees and shrubs and trim as you mow for timesaving performance.

Easily pass through gates with the narrow 42-inch model, or choose the 52-inch model to handle larger properties. Both decks are 5.5" deep. The PowerFold® Electric Deck Lift on both models raises the cutting deck vertically for easy cleaning and servicing of the underside or to fit more on a trailer. The PowerFold® is also used to adjust cutting height range from 2.0 to 4.5 inches. The anvil-edge deck design, with reinforced leading edge, stands up to the rigors of commercial mowing and easily converts from side discharge to Down Discharge™ mulching or PowerVac™ collection using the same deck.

Design-matched, fully hydraulic Parker HTE Series integrated pump-and-wheel motor transmissions with in-line cooling fans and fine-particle filtration provide smooth, reliable power. Enjoy longer service life, while best-in-class fluid change intervals with no break-in period using CoolTemp Hydro-Max™ fluid reduces costs and maintenance time.

Enjoy Grasshopper's legendary comfort with a deep-cushioned premium comfort seat covered with CoolTemp Cordura® fabric. With lumbar support and coil-spring suspension, you'll stay comfortably in control with all-day comfort.

**500V:** Increase your productivity with speeds up to 8.0 mph and 3.79 acres per hour with a 52-inch cutting deck.\*



### OPTIONS

- » Quik-D-Tatch® PowerVac™ Collection Systems (see page 9)
- » Down Discharge™ mulching packages
- » TrimAide™ roller kit (526V-52 only) See page 6
- » Yellow beacon light
- » GrassMax™ blade options (see page 7)
- » LED work lights
- » QuikAdjust Tilt™ steering levers with "no tools" 9-inch comfort range
- » Dual-fork tail wheels
- » Wide-stance, single-fork tail wheels on 524V-42
- » Side discharge control kit
- » Little Bully™ dozer blade
- » Adjustable cup holder

Be more productive with the addition of a PowerVac™ Collection System or other implements. Ask for specifications or visit [grasshoppermower.com/implements](http://grasshoppermower.com/implements). Models may be shown with optional equipment. \*Actual results may vary.



# AIR-COOLED 500V SERIES FRONTMOUNT™ SPECIFICATIONS

## MODEL – CUTTING WIDTH

524V-42 526V-52

### ENGINE

#### Type/Displacement/Cylinders

B&S Commercial Turf – gasoline/44.2 cu. in. (724cc)/V-twin

B&S Vanguard – gasoline/49.4 cu. in. (810cc)/V-twin

#### Lubrication System

Pressure Lube, Filter

#### Crankshaft

Vertical

#### Cooling System

Air

#### Fuel / Capacity

Gasoline – unleaded/4.0 U.S. Gal. (15.1 l)

#### Air Cleaner

Integrated, cyclonic air cleaner with 5-step debris management system

Remote-mounted, centrifugal multi-stage air cleaner with advanced debris management

#### Muffler

Ultra-quiet, single, industrial type

## STARTER & ELECTRICAL SYSTEM

### Maintenance-Free Battery/Charging Capacity/Starter

12 volt/16 amp/remote solenoid

12 volt/16 amp/solenoid shift

#### Ignition

Breakerless

#### Interlock System

Prevents engine start when PTO clutch is engaged or steering levers are in drive position. Allows operator dismount without engine shutdown only when PTO is disengaged and steering levers are locked in neutral.

## ULTIMATE OPERATOR STATION™

### Premium Comfort Seat

Iso-mounted, high-back, multi-density, foam-padded, Cordura®-covered, padded arms/backrest with lumbar support, coil-spring suspension and embroidered Grasshopper logo on seat back.

### Console-Mounted Instruments

Low engine oil pressure and parking brake indicator lights, digital hour meter, ignition and push/pull PTO switches. Choke integrated with throttle lever.

### Operator Protection

Operator Protection Structure (OPS)

### Work Lights

LED (optional)

## TRANSMISSION & STEERING

### Type

Design-matched hydrostatic system with integral cooling fans. Fully hydraulic, integrated Parker HTE Series transmission with variable displacement piston-type pumps and high-torque wheel motors for each drive wheel.

### Filtration/Hydro Fluid

Internal field-serviceable filter/No break-in required; CoolTemp Hydro-Max™ fluid.

### Speed

0 – 8.0 mph (0 – 12.9 kph) forward

0 – 5.5 mph (0 – 8.9 kph) reverse

### Turning Radius

True zero degree, turns within own length with counter-rotating, independently powered drive wheels.

Seat is pivot point.

### Steering

One- or two-hand operation with adjustable Hydra-Smooth™ dual levers that automatically return to neutral from either forward or reverse position.

### Brakes

Dynamic braking through hydrostatic transmission. Drum style parking brake.

## POWER UNIT TIRE SIZES

Drive Wheels: 20x8.00x10 turf tread

Tail Wheel: 13x6.50x6 rib tread, pneumatic (single fork)

Tail Wheel: 13x6.50x6 rib tread, pneumatic (wide-stance single fork)

Tail Wheel: 13x6.50x6 rib tread, pneumatic (dual fork)

## MODEL – CUTTING WIDTH

524V-42 526V-52

### POWER UNIT DIMENSIONS

Width: 42.0 in. (106.7 cm)

Length: 59.5 in. (151.1 cm)

Height (Operator Protective Structure): 64.0 in. (162.6 cm)

Height (seat back): 45.0 in. (114.3 cm)

Height (seat cushion): 29.0 in. (73.7 cm)

Wheelbase: 48.0 in. (121.9 cm)

### DECKS

#### Model

524V-42

526V-52

Width of cut 42 in. (106.7 cm) 52 in. (132.1 cm)

Width with deflector down 55.5 in. (141.0 cm) 65.5 in. (166.5 cm)

Width with deflector raised 45.0 in. (114.3 cm) 55.0 in. (139.7 cm)

Width (mulching) 43.5 in. (110.5 cm) 53.5 in. (135.9 cm)

Cutting Height 2.0 to 4.5 in. (5.1 cm to 11.4 cm)

Deck Lift PowerFold® (see page 6)

### Construction (Robotic-welded steel)

Geometrically engineered design with 7-gauge skirts withstands the brunt of commercial mowing.

(3) Sentry™ spindles and a triple-strength upper deck is over 0.50-in. thick in stress zones.

Formed, double-thickness, tempered steel truss spindle plane is 0.210 in. – equal to 5-gauge (5.31 mm)

Formed, double-thickness, tempered steel truss spindle plane is 0.269 in. – 7.6% thicker than 0.25 in. (6.35 mm)

Anvil-edge design with reinforcement on front edge of deck 10 ga. 1/4"

DuraMax® deck

Blades (MARBAIN®, 1/4-in.) (High-lift blades standard)

Tempered, alloy steel (3) 15 in. (38.1 cm) (3) 18 in. (45.7 cm)

### Spindle Assemblies

Spindle head designed to eliminate fiber wrap, 2.5 cm (approx. 1 in.) O.D. shaft. Double bearings, non-greaseable. Deck spindle cones shield housing and lower bearings from fiber wrap and dirt ingestion.

### Spindle Housing – 8 in. (20.3 cm)-diameter with 6-bolt pattern

Machined aluminum

### Blade Drive

Belt drive with single Kevlar® V-belt & idler arm tensioning

### Trimability

(outside of tire to left trim side) 0 in. 4.75 in. (12.1 cm)

### Power Unit/Deck Length

Deck (mowing position) 98.0 in. (248.9 cm) 102.0 in. (259.1 cm)

Deck (folded up) 87.0 in. (221.0 cm) 87.0 in. (221.0 cm)

Tire Size (4-ply rated): 9 x 3.50 x 4 (flat-proof)

## WEIGHT (Power Unit & Deck)

Uncrated: 935 lbs. (424.1 kg) 1,025 lbs. (464.9 kg)

Mulching Package 22 lbs. (10.0 kg) 29 lbs. (13.2 kg)

● Standard ○ Option

All specifications and information contained herein are subject to change without notice. Access-Eze, AirStream, CoolFan, CoolTemp Hydro-Max, Down Discharge, DuraFlex, Edge-EZE, exoSkeletal, GrassMax, Hydra-Smooth, MidMount, QuikAdjust, PowerVac, QuikAdjust Drop Pin, Sentry, Shock Impact Reduction System, SIRS, TrimAide, True ZeroTurn, Ultimate Operator Station, Ultimate Suspension Ride and View-Eze are trademarks and Committed to the Cut, Grasshopper, the Grasshopper logo, DuraMax, First to Finish ... Built to Last, HydroGear, It's So Much Mower, PowerFold and Quik-D-Tatch are registered trademarks of The Grasshopper Company. All other products are trademarks or registered trademarks of their respective holders.



Committed to the Cut.®

## FIRST TO FINISH...BUILT TO LAST.®

Since the first Grasshopper rolled off the line in 1969, our goal has remained the same: to manufacture a mower that will produce a perfect cut day after day and retain its value as a re-sellable asset. Call it solid Midwestern values or just good business sense, but by employing a skilled workforce using smart engineering, design-matched components and cutting-edge manufacturing technology, we build long-lasting equipment that stands up to rigorous demands. At Grasshopper, there's a constant pursuit of perfection. Perfection in the details. Perfection in the cut. It's our passion, because it's your passion, too.

Every mower is designed, engineered and assembled in Moundridge, Kansas, USA, and we run each one before it's shipped as a final quality assurance check. This attention to detail has earned a 98.6 percent approval rating from Grasshopper owners, and reflects the company's drive to be both innovative and responsive to our customers – turf care professionals, government entities and equipment owners from across America and around the world.

### EXPERIENCE THE DIFFERENCE FOR YOURSELF.

Visit [GrasshopperDealers.com](http://GrasshopperDealers.com) to find a dealer near you or schedule a demonstration.

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P.O. Box 637 | Moundridge, KS | 67107 U.S.A.  
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⚠ **WARNING:** California Proposition 65 Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)