

YARBO

YARBO: THE ALL-IN-ONE YARD SOLUTION

The World's First Modular Yard Robot.
Experience the Future of Yard Care with Yarbo.



YARBO

WWW.YARBO.COM

YARBO

YARD WORK INNOVATION



MEET YARBO 2024

Yarbo offers a versatile integration system, combining Yarbo Core with different modules for diverse yard work.




YARBO SNOW BLOWER

Yarbo Snow Blower frees you from traditional backbreaking snow removal.




SPECIFICATIONS			
Stage Type	2-stage	Cleaning Width	24 inches
Intake Height	12 inches	Throwing Distance	6 - 40 ft.
Chute Rotation	-10° - 190°	Deflector Angle	- 5° - 55°
Cleaning Area / Charge	6,000 sq.ft (1 inch)	Operation Time/ Charge	1.5 hours
Charging Time	3 hours	Waterproof Level	IPX4
Powered By	Lithium-ion battery	Applicable Slope	Up to 36%
Operating Temperature	- 13°F - 113°F (-25°C - 45°C)	Applicable Snow Types	Dry / wet / packed snow
Applicable Surfaces	Paved	Obstacle Detection	Binocular camera & Bumper

* Disclaimer: Data is from open outdoor experiment tests.




Bumper
Bumper detects obstacles in three directions (left, center, right)




RTK-GPS Navigation
Wire-free and precise self-positioning




Low - temperature Resistant Battery
Work under temperatures as low as -13°F (-25°)



Anti-slip Rubber Tracks
Conquer challenging terrains with exceptional traction capabilities



Side Cameras
Ensure the safety of pedestrian




-5° - 55° Deflector Angle
Flexible snow chute that ensures snow lands exactly where you want




-10° - 190° Chute Rotation
Intelligently direct the snow to the designated area



Binocular Camera
Smart obstacle detection & avoidance



Two-stage Design
Handle all kinds of snow effortlessly



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YARBO LAWN MOWER

Your autonomous solution for big, steep, and complex lawns.



SPECIFICATIONS

Mowing Size Details			
Charging Time	180 min	Obstacle Avoidance	Binocular camera & Ultrasonic radar & Bumper
Mowing Time Per Charge	210 min	Positioning & Navigation	RTK & Vision & IMU & ODOM
Mowing Area Per Charge	0.29 acre	Navigation Under Trees	Vision & ODOM
Working Cycle Per Day	4	Max. Climbing Ability	70% (35°)
Mowing Area Per Day	1.7 acres	Cutting Width	20" (500 mm)
Max Mowing Area (Twice Per Week)	6 acres	Adjustable Cutting Height	1.2" - 4.0" (30 - 102 mm)
Rain Detection	Yes	Vertical Obstacle Passing Ability	2" (50 mm)
Battery Capacity	1.38 kWh	Connectivity	4G & Wi-Fi & Bluetooth
Waterproof Level	IPX5	Auto-recharge	Yes
Noise Level	60 dB	Teleoperation	Yes

* Disclaimer: Data is from open outdoor experiment tests.



Torsion-flex Mower Frame

Allow the deck to flex up and down smoothly



RTK-GPS Navigation

Wire-free and precise self-positioning



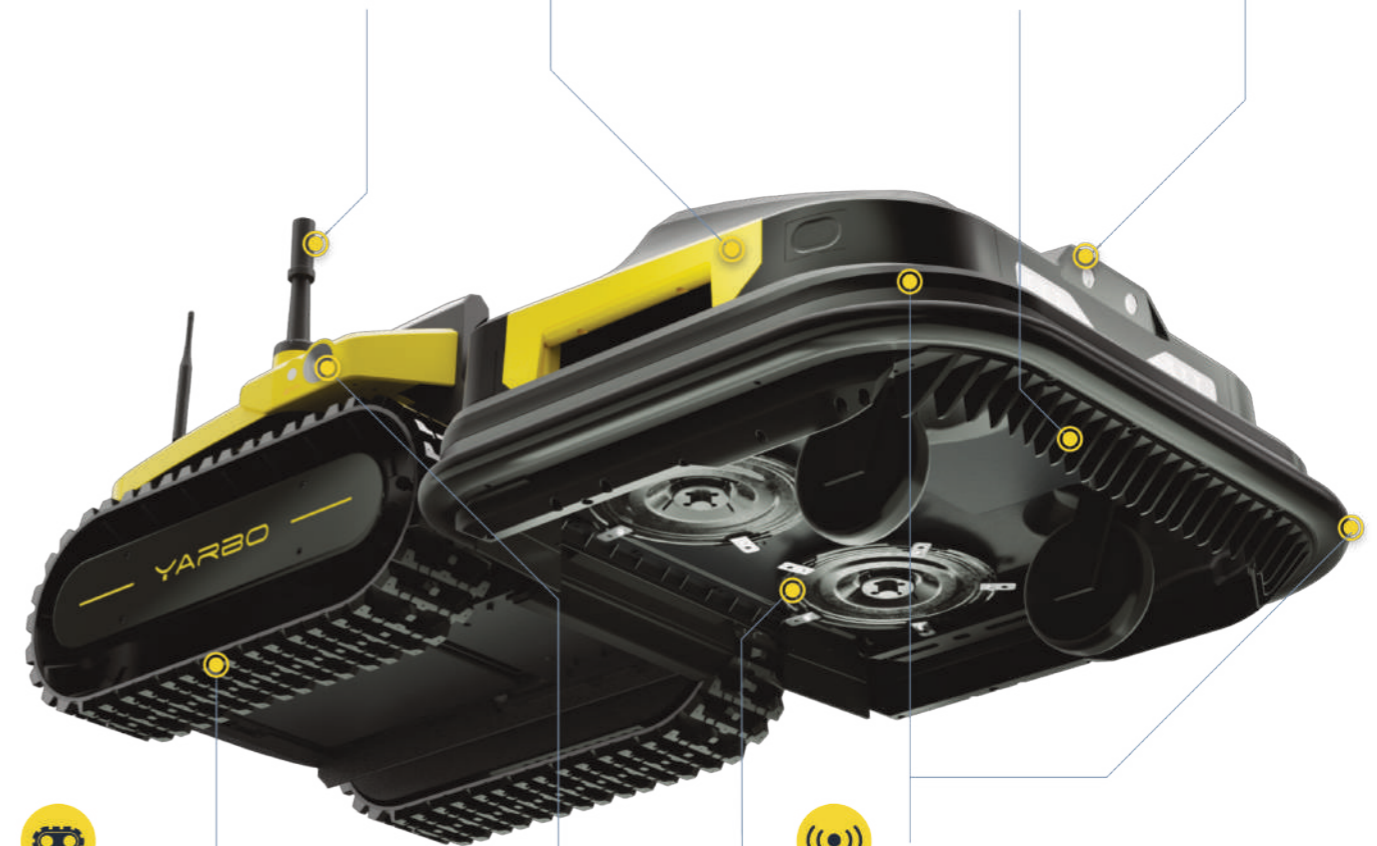
Binocular Camera

130° wide dynamic range, ultra-wide F2.2 aperture, 6MP ultra-high definition



All-Steel Skid Shoe

Facilitate mowing on hillsides, slopes, sidewalks, and driveways



All-Terrain Patented Tracks

Ensure unparalleled traction, minimal ground pressure, and enhanced stability



Ultrasonic Radars

Facilitate to detect and avoid obstacles



Side Cameras

Ensure the safety of pedestrian



Dual Cutting Discs

Yarbo's dual 20-inch cutting discs feature 5 blades each.

YARBO BLOWER

Your ultimate solution to blow leaves in a big yard and hard-to-reach corner.



SPECIFICATIONS

Air Velocity	190 MPH	Applicable Slope	70% (35°)
Air Volume	760 CFM	Operating Time Per Charge	70 mins
Motor Power	Rated power: 2000W	Charging Time	3 hours

* Disclaimer: Data is from open outdoor experiment tests.



RTK-GPS Navigation
Wire-free and precise self-positioning



Side Cameras
Ensure the safety of pedestrian



Binocular Camera
Smart obstacle detection & avoidance



Interchangeable Nozzles
The blower can be equipped with different nozzles for various needs.



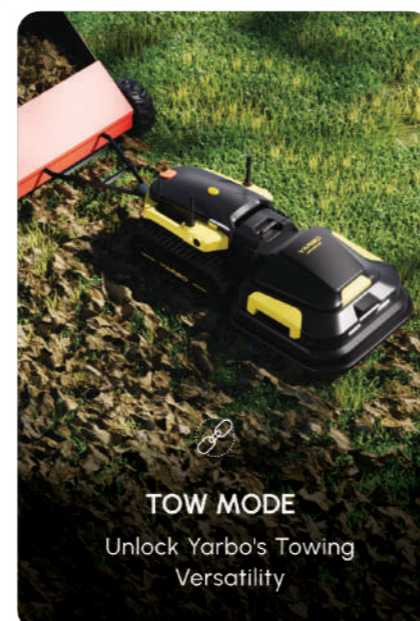
All-Terrain Patented Tracks
Wide tracks with smooth climbing treads provide unparalleled traction, minimal ground pressure, and enhanced stability.



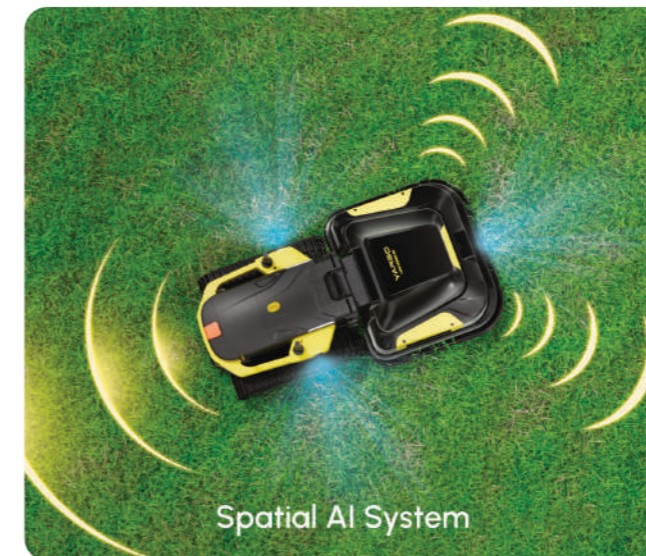
Extended Air Tubes
The blower can also be fitted with extended air tubes for greater reach.

ONE YARBO CORE, UNLIMITED POSSIBILITIES

Yarbo Core stands at the center of the Yarbo modular robot system. Beyond serving specific functions, Yarbo Core alone brings unique features.



WORRY-FREE OPERATION UNDER TREES



Yarbo's spatial AI system features 6 cameras, 2 ultrasonic radars, and advanced AI algorithms for obstacle avoidance.



Yarbo 360° vision coverage ensures safety for people and pets, and protects your property.



Yarbo's stereo vision cameras feature complex scene segmentation for auto boundary mapping, robust visual navigation ensuring boundary adherence, and auto obstacle labeling by precise obstacle bypass.



When the RTK signal weakens, stereo vision technology alongside ODOM facilitates Yarbo's navigation, guiding it within its boundary for enhanced safety.

DATA CENTER & HALOW WI-FI

What is the Data Center?

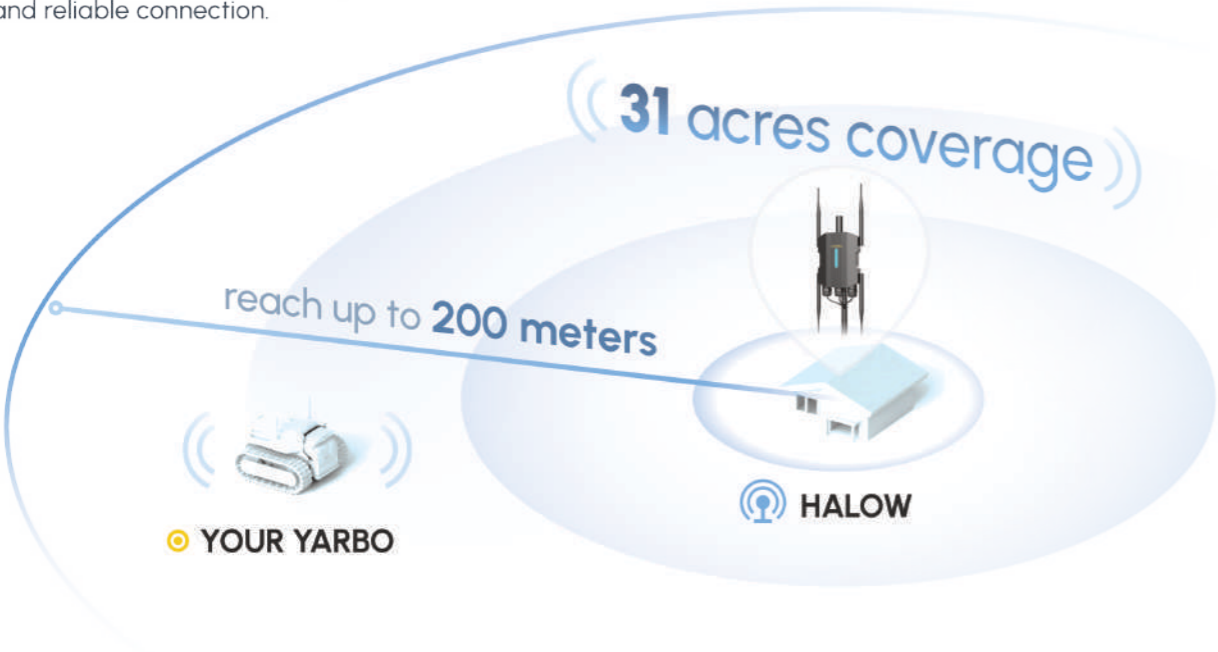
The Data Center is a new connection hub using HaLow, a long-range, low-power Wi-Fi. It ensures strong and reliable connection, even in large yards with obstacles.

 low-power  long-range



Why HaLow is Awesome?

HaLow Wi-Fi can reach up to 200 meters through obstacles. That's about 31 acres, more than enough for most yards! HaLow gives strong and reliable connection.



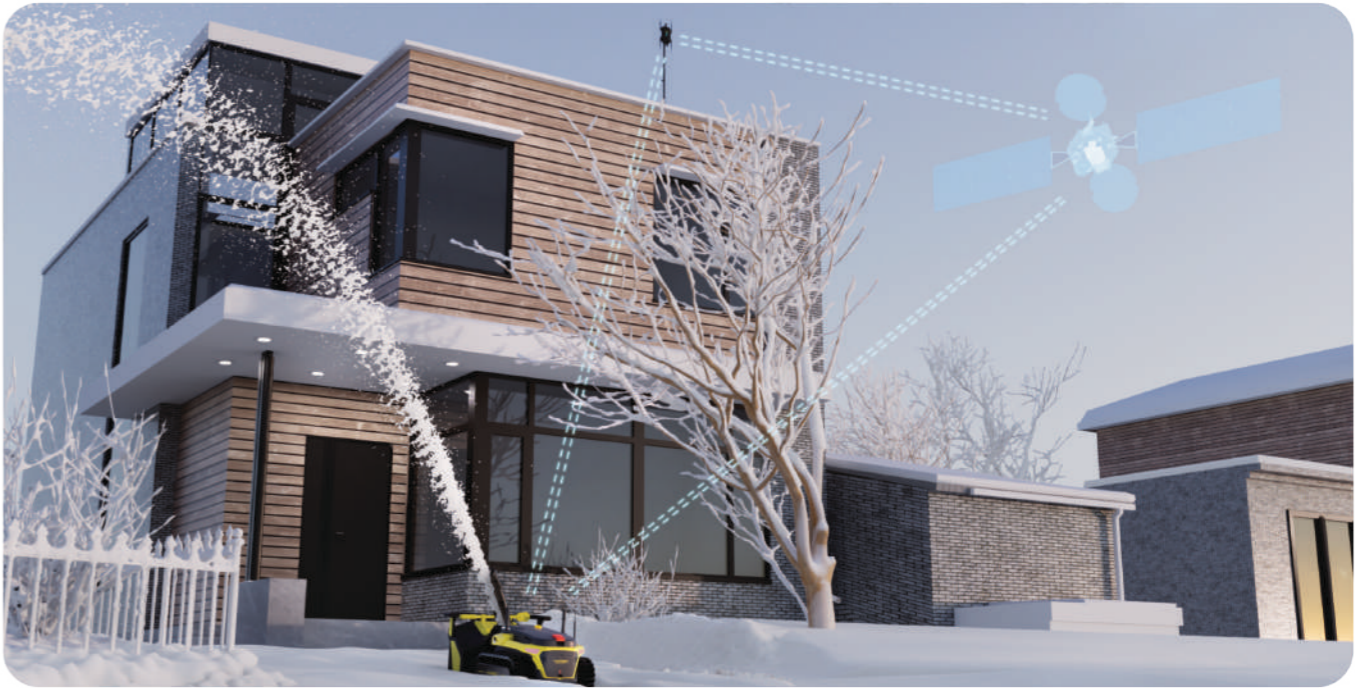
How it Works?

Offline Mode: Even if your internet goes down, your Yarbo can still communicate with the Data Center through HaLow.

Online Mode: When you're not home, you can monitor Yarbo using the internet.

* Disclaimer: Data is from open outdoor experiment tests.

PRECISE POSITIONING



Precise Positioning Vision System (PPVS) is an exclusive fusion technology that integrates RTK-GPS, computer vision, and a variety of sensors, enabling Yarbo to achieve centimeter-grade accurate positioning.



Yarbo's Dual-antenna Solution brings top-notch accuracy to outdoor navigation. Dual-antenna solution ensures accurate positioning even at low speeds or when stationary, with up to 0.2 degree precision over a 1-meter baseline.

AUTO-RECHARGING AND LONG OPERATION TIME

365/24/7 Ready to Work with Wireless Auto Recharging



When the job is done or the battery is running low, Yarbo will autonomously return to charge, ensuring continuous work without any hassle on your part.

Cold-resistant and High-capacity Battery



Yarbo is powered by a lithium-ion battery with no harmful emissions, which will be green and protective of our environment. Additionally, it possesses a powerful 1.38 kWh capacity and can operate in temperatures ranging from a chilly -25°C to a scorching 45°C.

CONQUER VARIED TERRAINS & EASY CONTROL

Powerful Driving System



Effortless Yard Care Right at Your Fingertips

Choose from two intuitive methods to effortlessly manage your Yarbo. The Yarbo App serves as the all-encompassing, feature-rich primary platform, while the Remote Controller complements it as a handy and efficient accessory.



YARBO APP



REMOTE CONTROLLER

UNLOCK YARBO'S TOWING VERSATILITY & REAR ATTACHMENTS

3500 lbs
Towing Ability



Lawn Sweeper



Lawn Roller



Dump Cart



Dethatcher

Powered Rear Attachments



Granular Spreader is designed to work with Yarbo to facilitate the precise and even distribution of fertilizers, pesticides. It will also enable Yarbo to clear snow while applying salt to maintain a cleaner and ice-free surface.



Liquid Sprayer complements Yarbo's capabilities, enhancing lawn vitality and optimizing snow clearing efficiency through the application of liquid salts, fertilizers, herbicides, and pesticides.

TRIMMER AND EDGER ATTACHMENTS



Trimmer

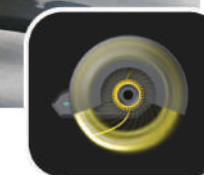


Edger



Keep Your Landscaping in Shape

Yarbo trimmer, the first practical robotic trimmer, is ideal for trimming lawn sections along fences, houses, or trees.



Create Sharp Lawn Boundary

Yarbo edger, the first robotic edger available, is designed to cut grass along driveways, sidewalks, and roads to create a tidy lawn border.

YARBO HAS MUCH MORE TO OFFER

SUPERDOCKING

Auto-switch and storage of all detachable modules



More Other Modules to Meet Every Need of Your Yard Maintenance



YARBO SWEEPER

Sweeping light snow or debris



YARBO VACBLOW

Leaves and debris collection and blowing



YARBO PLOW

Push snow to sides of your driveways and sidewalks



YARBO ARM

Pick vegetables and fruits, spread solid fertilizer, pick up garbage



YARBO SPRINKLER

Irrigate and spray pesticides



YARBO GUARD

Collect packages with a tray, tow the trash can, and security & surveillance

ABOUT YARBO

2015 The company is established.

2016 Refinement of the idea for the world's first autonomous snow blower.

2017 Definition of the project for an autonomous robotic snow blower and developed the Snowbot prototype.



2018 Snowbot prototype enters the testing stage.



SNOWBOT
Concept V1



SNOWBOT
Concept V2

2019 Snowbot is exhibited at spoga+gafa in Germany.



2020 Snowbot passes testing, with the autonomous snow blower functionality fully validated.



2021 Launch of the public beta version of Snowbot S1.



2022 Officially changed the company name to Yarbo.

Evolution from Snowbot to Yarbo, raising over **\$3.45 million** through a successful crowdfunding project.

\$3,458,240



2023 Jan. Yarbo is showcased at CES.



Oct.

Over **1,000** Yarbo Snow Blowers are delivered worldwide.



2024 New Release




Introduction of **more modules** and continued growth of the Yarbo community.



YARD WORK INNOVATION

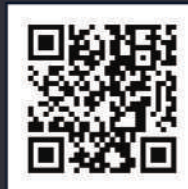
SOCIAL CHANNELS



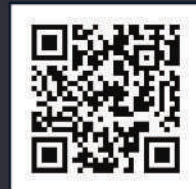
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