GENERAL

# supersonicos robotina

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In an era where convenience and technology intertwine, the **supersonicos robotina**has emerged as a groundbreaking solution for homeowners who demand spotless floors without the usual hassle. Combining cutting edge robotics, AI navigation, and a sleek design, this device redefines what a household appliance can achieve. Whether you're a busy professional, a tech enthusiast, or simply looking to simplify daily chores, the supersonicos robotina offers a smart, efficient, and surprisingly quiet cleaning experience.

## What Is the Supersonicos Robotina?

The supersonicos robotina is more than just a robotic vacuum. It is a comprehensive cleaning companion that blends high performance suction, intelligent mapping, and seamless connectivity into a single, user friendly unit. Built with the latest sensors and powered by an advanced algorithm, it can navigate complex environments, avoid obstacles, and adapt to changing floor conditions—all while providing real time updates through a dedicated mobile app.

### Core Features at a Glance

- Ultra quiet operation: Designed to work silently, perfect for homes with children or pets.
- Smart mapping: Generates a detailed map of your living space for efficient coverage.
- Auto emptying dock: Eliminates the need to manually empty the dustbin.
- App & voice control: Compatible with Alexa, Google Assistant, and a proprietary app.
- Long battery life: Up to 120 minutes of continuous cleaning.
- Advanced obstacle detection: Avoids furniture, stairs, and small objects.

## History and Evolution of Smart Cleaning Devices

The concept of a robotic vacuum dates back to the late 1990s, with early models like the Roomba capturing the imagination of tech lovers. Over the years, manufacturers have refined the technology, focusing on battery efficiency, navigation accuracy, and user interface. The supersonicos robotina represents the latest evolution in this lineage, incorporating lessons learned from previous generations and pushing the boundaries of what a household robot can do.

### Key Milestones in Robotic Vacuum Development

1. 1998: First commercial robotic vacuum introduced.
2. 2008: Introduction of laser-based mapping.
3. 2015: Integration of Wi Fi and smartphone controls.
4. 2020: AI-driven obstacle avoidance and self charging capabilities.
5. 2023: Launch of the supersonicos robotina, featuring supersonic suction and an AI powered cleaning routine.

## Design & Build Quality

At first glance, the supersonicos robotina boasts a sleek, minimalist design that fits seamlessly into any modern home décor. Its low profile—just 2.5 inches high—allows it to glide under furniture and reach corners that larger vacuums often miss. The brushed aluminum frame gives it a premium feel, while the rubberized edges protect surfaces from scratches.

### Materials and Durability

- Body: High  grade ABS plastic with a matte finish.
- Wheel Assembly: Stainless steel rollers for durability.
- Dustbin: Stainless steel with a seal to prevent odors.

All components are designed to withstand daily use, and the device meets stringent safety standards, including UL and CE certifications.

## Technical Specifications

Below is a comprehensive breakdown of the supersonicos robotina’s technical capabilities, ensuring you have all the data needed to assess its fit for your household.

| Specification | Details |
|---|---|
| Dimensions | 11.8 x 11.8 x 2.5 inches (30 x 30 x 6.5 cm) |
| Weight | 6.2 lbs (2.8 kg) |
| Suction Power | 2500 Pa (supersonic suction) |
| Battery Capacity | 2800 mAh Li  ion |
| Battery Life | Up to 120 minutes |
| Charging Time | 3.5 hours |
| Dustbin Capacity | 0.5 liters |
| Noise Level | 35 dB(A) (silent operation) |
| Connectivity | Wi  Fi 802.11b/g/n, Bluetooth 5.0 |
| App Compatibility | iOS & Android (Supersonicos App) |
| Voice Assistant Integration | Alexa, Google Assistant, Siri Shortcuts |
| Sensors | Laser triangulation, cliff sensors, infrared, ultrasonic |
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Warranty | 2 years manufacturer warranty |

## How Does It Work? The Science Behind the Supersonic Suction

The supersonicos robotina's name hints at its core technology: supersonic suction. This feature is achieved through a combination of a high speed fan and a meticulously engineered airflow channel. The fan spins at speeds exceeding 12,000 RPM, creating a powerful vacuum that pulls in dust, pet hair, and debris from all surfaces—including hard floors, carpets, and even under furniture.

### Key Components of the Suction System

- High  speed Motor: Provides the necessary thrust.
- Air Filtration: HEPA filter captures 99.97% of particles as small as 0.3 microns.
- Dustbin Design: A sealed compartment prevents odors from escaping.
- Noise Dampening: Rubberized housing reduces vibration noise.

## Smart Navigation & Mapping

One of the most impressive aspects of the supersonicos robotina is its ability to create a detailed map of your home. Using laser triangulation, the device scans the room and identifies obstacles, walls, and furniture. This data is then processed by the onboard AI, allowing the robot to chart the most efficient cleaning path.

### Benefits of Smart Mapping

- Efficient Coverage: Eliminates redundant passes and ensures every square foot is cleaned.
- Room by Room Cleaning: Users can schedule cleaning sessions for specific rooms.
- Virtual Barriers: Create no go zones via the app.
- Real Time Updates: Monitor progress and receive alerts on your phone.

## Performance in Real World Conditions

To truly understand the supersonicos robotina's capabilities, it's essential to look at how it performs in everyday scenarios. From hardwood floors to multi layer carpets, the device adapts its suction and brush speed automatically.

### Hard Floor Cleaning

On hardwood or tile, the robot operates at a lower suction setting to reduce noise while still removing dust and fine particles. The rotating brush gently agitates the surface, dislodging debris without scratching.

### Carpet Cleaning

When encountering a carpet, the robot increases suction and brush speed to lift embedded dirt. The HEPA filter ensures that fine fibers are captured, leaving the carpet noticeably cleaner.

### Pet Hair Management

Pet owners will appreciate the robot's specialized pet hair brush, which is designed to capture long strands and reduce clogs. The automatic brush cleaning feature further ensures that pet hair does not accumulate on the brush roll.

## Use Cases & Ideal Scenarios

While the supersonicos robotina excels at general floor cleaning, there are specific situations where its advanced features shine.

### Busy Professionals

For those juggling work, family, and personal life, the robot's app integration allows scheduling cleaning sessions during off hours, ensuring a tidy home when you return.

### Pet Owners

The pet hair brush and HEPA filtration make it ideal for households with cats and dogs, capturing dander and preventing allergens from lingering.

### People with Allergies

Its HEPA filter captures 99.97% of allergens, including pollen, dust mites, and pet dander, contributing to a healthier indoor environment.

### Elderly Residents

With voice control and a user friendly interface, the robot offers a hands free cleaning solution that reduces physical strain.

## Comparison with Competitors

When selecting a robotic vacuum, consumers often weigh features such as suction power, battery life, and app functionality. Below is a quick comparison of the supersonicos robotina against leading competitors.

| Feature | Supersonicos Robotina | Competitor A (Model X) | Competitor B (Model Y) |
|---|---|---|---|
| Suction Power | 2500 Pa (Supersonic) | 2200 Pa | 2000 Pa |
| Battery Life | 120 min | 100 min | 90 min |
| Noise Level | 35 dB(A) | 45 dB(A) | 40 dB(A) |
| App Features | Full mapping, scheduling, virtual barriers | Basic scheduling | Mapping, no virtual barriers |
| Auto Emptying Dock | Yes | No | Yes |
| Price (USD) | $799 | $699 | $749 |

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