



ROBOMIRACLE

ROBOMIRACLE ROBOTS

ROBOMIRACLE'S INTELLIGENT ROBOTS

YOUR FUTURE, POWERED BY ROBOTS





ROBOMIRACLE

DINE ROBOT

SMART INTELLIGENT AUTONOMOUS DELIVERY ROBOT

REDUCE THE NUMBER
OF LABOR

IMPROVE
OPERATIONAL
EFFICIENCY

ATTRACT CUSTOMER
INTERACTION

REDUCE OPERATING
COST

ENHANCE
INTERACTIVE
EXPERIENCE

GIVE FULL PLAY TO
MARKETING
ADVANTAGES





1. OVERVIEW

Dine is an intelligent service robot designed for seamless interaction, autonomous navigation, and efficient food delivery in hospitality settings. With precise motion control and lifelike expressions, Dine offers a delightful and engaging dining experience in restaurants, cafés, hotels, and corporate spaces. Powered by advanced AI and a user-friendly interface, Dine enhances customer satisfaction, streamlines operations, and brings an innovative edge to modern service environments.

2. KEY FEATURES

Autonomous Service Capability

- Delivers food with consistent precision, reducing human error in order handling.
- Freed up staff to focus on personalized customer service and upselling.
- Operates independently, requiring minimal supervision during service hours.

Carrying Capacity and Efficiency

- Supports up to 30 kg of food, allowing multiple dishes per trip.
- Enhances table turnover by delivering orders quickly and efficiently.
- Handles a variety of dishes from starters to desserts seamlessly.

Long Working Hours

- Provides up to 10 hours of continuous service on a single charge.
- Reliable during peak dining hours and long shifts without interruption.
- Minimizes downtime, maintaining steady workflow in busy restaurants.

Design and Aesthetics

- Features modern and sophisticated design to complement restaurant interiors.
- Adds a visual appeal that attracts customer interest and enhances ambiance.
- Sleek build that balances form and function for both utility and style.



Navigation Precision

- Uses advanced sensors for accurate route following within complex layouts.
- Maintains steady and smooth movements to avoid disruptions.
- Optimizes delivery speed by navigating shortest paths efficiently.

Obstacle Avoidance Technology

- Equipped with sensors to detect and avoid diners, furniture, and other objects.
- Ensures safe travel through crowded and dynamic dining areas.
- Reduces chances of accidents or service interruptions.

Continuous, Non-stop Operation

- Designed for near 24/7 activity with efficient charging routines.
- Supports extended restaurant hours and high-volume service.
- Maintains performance without frequent breaks or manual resets.

Cruising Mode

- Automatically moves along predefined routes, stopping at key points to engage guests.
- Plays clear voice prompts at each stop for greetings, guidance, or promotional messages.
- Can display and play uploaded ads while cruising, turning every lap into a moving billboard for your brand.



3. HARDWARE SPECIFICATIONS

Dimensions & Weight

- Height: approximately 4.5 ft
- Weight: around 48.5kg
- Dimension (L×W×H): about 48 x 47x 116cm

Movement

- Dual drive motors for smooth forward and backward motion.
- Precise turning to navigate between tables and tight aisles.
- Speed range typically adjustable between 0.5–1.2 m/s to balance safety and fast service in busy environments.

Tray and Payload

- Tray size: approximately 41–43 cm diameter/width
- Tray payload: up to 30 kg total (around 10 kg per tray)
- Minimum passing clearance (width): about 60–65 cm

Power

- Battery: 24 V, 25 Ah lithium-ion
- Charger: 24 V, 5 A
- Charging time: about 2–3 hours
- Backup time approximately 12–24 hours (usage dependent)

Performance

- Pick-up angle: 300° open tray design
- Speed: around 0.8 m/s to 1.2 m/s
- Service life: approximately 5–8 years with proper maintenance

Display

- 12-inch touchscreen display for media, menus, and forms

Audio

- Integrated 20 V speakers for clear voice output, alerts, and media playback

Connectivity

- Network: Wi-Fi / 5G support for cloud connectivity and remote updates

Operating System

- Android OS for compatibility with standard applications and easy integration.



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CLIENTS & COLLABORATIONS



READY TO BUILD THE FUTURE TOGETHER?



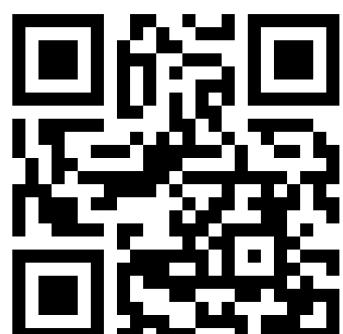
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