The ServeBot features a wider tray with an adjustable height setting to accommodate the loading of more items. Additionally, ServeBot has storage space for frequently used customer items.

**Efficient** store operation

**Extended tray and strong driving performance**

**Spacious load capacity**

The ServeBot features a wider tray with an adjustable height setting to accommodate the loading of more items. Additionally, ServeBot has storage space for frequently used customer items.

- **Extended tray size**: 20.9” / 53.2 cm
- **Additional storage space**: 17.5” / 44.4 cm
- **Detachable tray features height adjustment for various sized items.**
- **2.8” / 7.1 cm**

A weight detection sensor is applied to each tray. The robot automatically moves to the tray return zone when the allowable maximum capacity (22 lbs. / 10 kg) of the tray is reached.

**Efficient operation with tray return**

A weight detection sensor is applied to each tray. The robot automatically moves to the tray return zone when the allowable maximum capacity (22 lbs. / 10 kg) of the tray is reached.

**Enhanced driving performance**

Stable driving through independent suspension to the 6 wheels helps prevent food and beverage spillage, even on uneven flooring up to 5mm.

- **Independent suspensions are applied to six wheels**
- **Driving on an uneven floor**
  - Carpet
  - Stainless deck
  - Marble
  - Uneven tile

**Multi robot driving performance**

Direct communication between robots is possible without a separate communication device. Multiple serving robots can be used in one store efficiently.

**Provide a unique customer experience**

ServeBot is a unique partner for escorting customers to their table, offering promotions and menu details.

With the Content Management System (CMS), videos, images, and text can be easily changed through the application, allowing customization for each store location.

**Easily manage content with one application**

- **Spacious load capacity**
- **Efficient operation with tray return**
- **Enhanced driving performance**
- **Independent suspensions are applied to six wheels**
- **Driving on an uneven floor**
- **Multi robot driving performance**

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Community Spaces

Support beverage and food in various community spaces such as shared kitchens, party rooms, etc.

Restaurants / Franchises

Provide unique, efficient experiences in large dining rooms, buffets or food courts that use many plates and utensils.

Hotels / Resorts / Residences

Provide special beverage and food services in areas such as cafeterias, restaurants, etc.

LG CLOi™ ServeBot

Use guidance

The LG CLOi ServeBot provides safe and efficient wayfinding, as well as delivery and tray-returning experiences that can be used in various food service environments.

1. Guidance to the table (Escort)

2. Store guidance and new menu promotion

3. Robot call linked to Smart Watch or Call Bell*

4. Once the trays are fully loaded, the robot will return in the order of multi-calling / automatically measured to the tray return zone.

* Linkable devices sold separately. Procedure and user interface for creating a link may vary depending on the device.
**Design & Specifications**

**Mechanical**
- Dimensions (W x H x D): 2.2 x 5.4 x 2.2 in. / 56 x 137 x 55 cm
- Weight: 112.4 lbs. / 51 Kg
- Load capacity: 88 lbs. / 40 kg (each drawer holds up to 22 lbs. / 10 kg)
- Shelf size (W x L): 17.3 x 20.9 in. / 440 x 530 mm
- Number of Shelves: 4 (bottom shelf is a storage area)
- Sensor: LIDAR / ToF / RGBD Camera / Load cell sensor
- Display: 10.1" Touch LCD Display
- Status LED (action / status alert): RED / BLUE / GREEN

**Battery**
- Capacity: 25,000 mAh
- Charging time: Manual charging: 4 - 4.5 hours / Automatic charging: 3 - 3.5 hours (Charging stand option)
- Continuous operating time: 11 hours (0.7 m/s)
- Battery certification: UL2271

**Mobility**
- Obstacle recognition: Automatic obstacle recognition
- Obstacle avoidance: Real-time route planning and driving
- Speed (max.): 3.8 ft./sec / 1.2 m/s (adjustable)
- Drive width (min.): 31.5 in. / 800 mm
- Surface compatibility: Marble / Tile / Cement / Uneven floor / Carpet
- Cruise driving route setting: User-configurable

**CMS**
- Update: Screen, Voice, Background sound
- Guidance / Promotion: Yes

**Other Features**
- Control: Mobile / PC
- Automatic door: Automatic door “open” capability via linkable wireless device (device sold separately)
- Automatic detection of food unloading: Yes
- Automatic detection of loaded food: Yes
- Content management: Yes (Screen)
- Application management: Yes

**Reliable serving specialist with precise driving performance**
- Enhanced multi-robot driving performance
- Serving, Cruise, Tray return cruise, Guidance, Movement functions
- Supporting Content Management System (CMS) (Videos, images, guidance words, guidance voice, and background music can be changed)
- Continuous operation time of 11 hours

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1) Select Menu Item
2) Set table - Serving
3) Movement
4) Arrival at Table - Serving
5) Arrival at Table - Serving Completion
6) Movement to Tray Return Zone - Tray Returning
7) Arrival at Tray Return Zone - Tray Returning Completion
8) Please take food from tray A
9) New Return Place 01
10) Please clean up the tray.

Front

90-degree Side

Depth: 21.7" / 551 mm
Width: 22.0" / 560 mm
Height: 54.1" / 1,374 mm