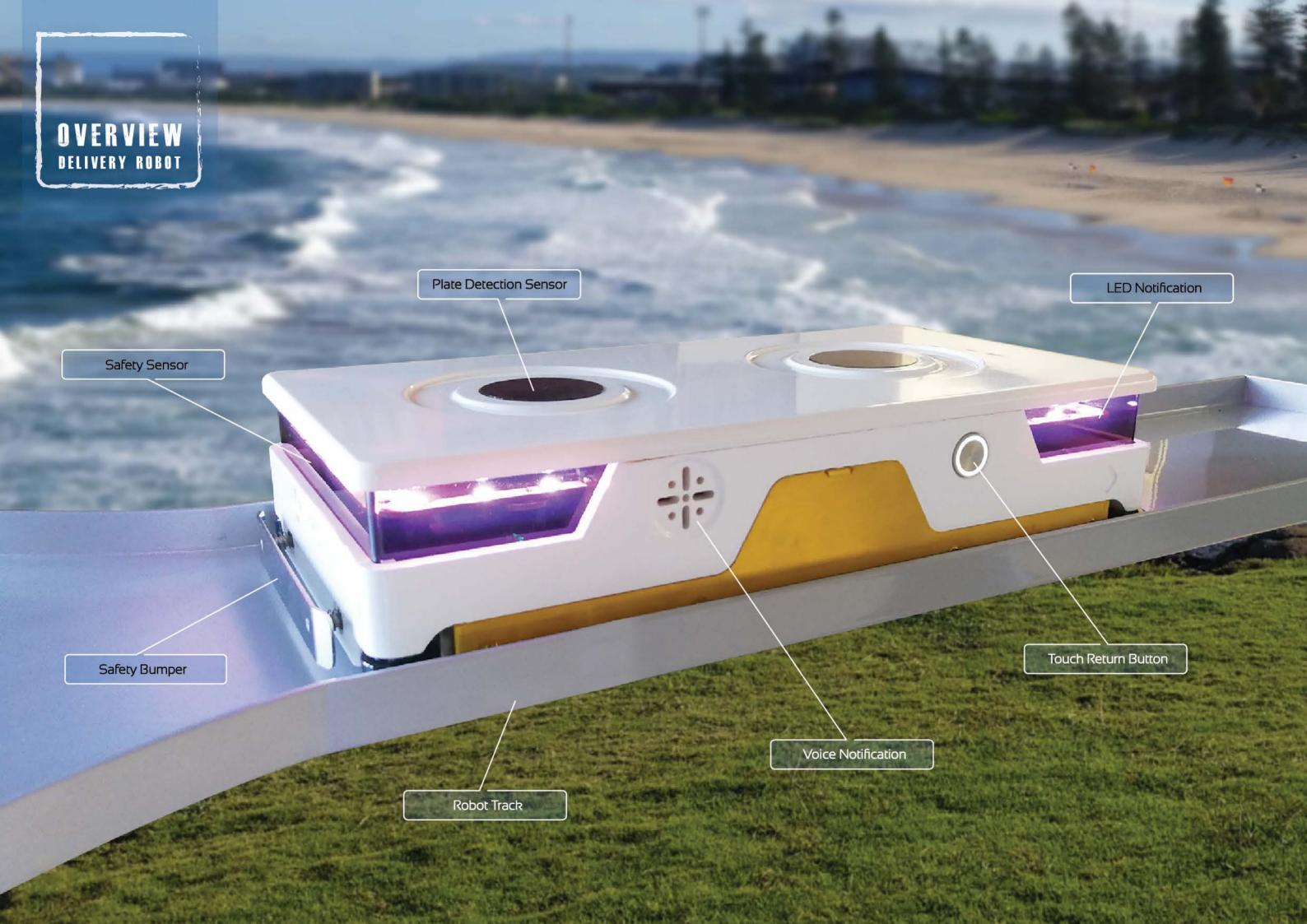


CE ROHS CB WULSTED











FOOD INDUSTRY

With creative innovation, Food Delivery Robot is not only used in Kaiten Sushi Restaurants, but it can also be use in vast variety of restaurants that need automation to deliver food to their customers. Food Delivery Robot is so flexible that it is customizable to your needs.

 Cost-effective solution for automating food delivery to your customer. We keep in mind these following criteria when considering cost-effectiveness.

Technology – With minimal customization to the available technology, MODU Food Delivery Robot can deliver food to your customer accurately. It can adapt to any shop layout without major capital investment.

Labour - Reducing the number of waiters / waitresses required to perform the same task. Food Delivery Robot also helps in reducing errors or accidents during food delivery.

Operation Space - Floor space value optimization is essential to every restaurant. Keeping that in mind, MODU has designed the Food Delivery Robot. With it's compact body design, it requires less space to operate. It can be easily placed either on an existing conveyor or on the floor stand.

- With the 3R concept (Relocate, Replace, and Reconfigure), you can renovate your restaurant from time-to-time to keep up with market trend without worrying about Food Delivery Robot. Hence, table configuration can be set from time to time.
- Different sizes of plates can be used to carry food to your customer with customized tray attached to the robot.
- Food Delivery Robot is operated by touch screen tablet. The tablet operating system can be Android, iOS or Windows. With such flexibilities, integrating with Point-of-Sales (POS) and Ordering System can be done
- Food Delivery Robot is built with Remote Assistance Technology. If the Food Delivery Robot is having issues with software or needs upgrading of firmware, simply connect it to our server and we will handle the rest.

EXAMPLE

- Ethnic Dining Family Dining
- Buffet

• Barbecue & Hotpot

- · Café & Bistro
- Fast Casual
- Dim Sum
- Pizzeria

Casual Dining













Advantages



EASY TO MAINTAIN

With simple build Food technology, Delivery Robot is easy to maintain. Parts like batteries or Main Board can easily be replaced if the unit is faulty.



NO CHAIN / MOVING COMPONENTS

There are no hidden moving components beneath the track. So, there are no issues with elongation or breakage of chain.

The installation of system is fast as the Food Delivery Robot does not use any sensors or electrical wiring along the delivery path.



NO LIMITATION ON LENGTH & DESIGN

Food Delivery Robot can go through different junctions or bends with ease. The length of operation is not a limitation. However, longer track would result in longer waiting time to deliver as each delivery track dedicated to a single robot. It is advisable to keep the length as optimum as possible.



ATTRACT AUDIENCE

Innovative & highly versatile Delivery Robot captivates audience and will draw the crowd towards your restaurant.

Simplicity · Solutions

- Food Delivery Robot will automatically stop when an obstacle is detected like hand / bowl / any item that comes to it's range.
- The robot will display red LED light with buzzer sound to alert the person.
- There are no moving component beneath the track that can be hazardous to children or adult.







Safety Sensor

Safety Bumper



CHOOSE YOUR COLOUR STYLE!!

Customer can choose any colour from the pantone code colour range. We would try our best to keep the colour as close to the requested pantone code. The robot body is sprayed using automotive paint by skillful personnel.



Standard Delivery Robot body comes with gloss white colour. The decal on the car is to be arranged by the customer.

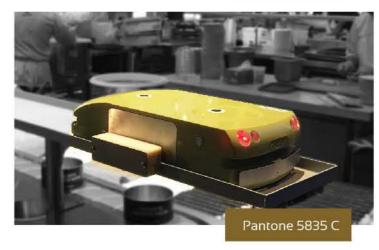


Sample colour by our customers











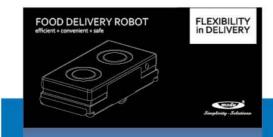


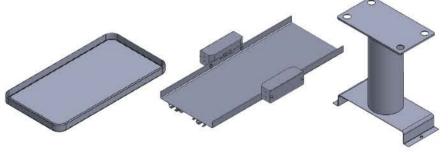




ACCESSORIES

To order the support bracket, please inform us regarding the total height required from conveyor top to Food Delivery Robot bottom track.





Optional Tray Attachment Charging Station
Material: ABS One Per System

■ Typical Support Bracket Material: Stainless Steel









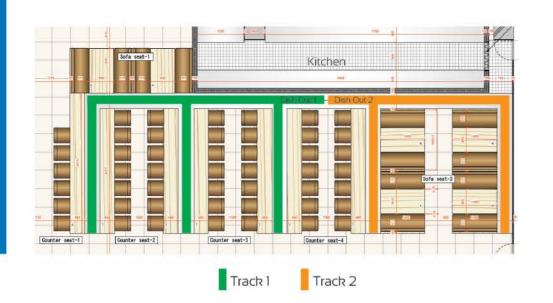
Tablet

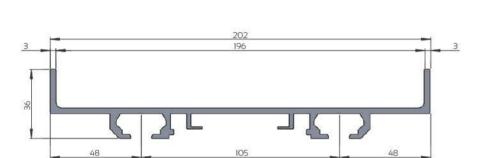
Tablet Bracket

Charging

WiFi Router

* Other colours are available upon request from customer. MODU would try to follow to the closest colour requested. However, colour sprayed colour may differ on actual.

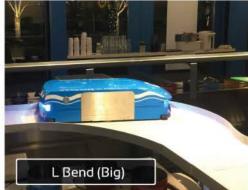


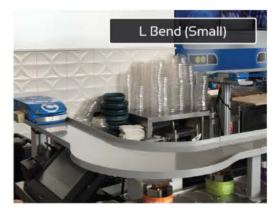


Straight Section

Item Code	:SGC-SS3M
Material	: Aluminium
Colour	: RAL 9006
Finishing	: Powder Coat
Max. Speed	:50m/min
Supply	:1 unit

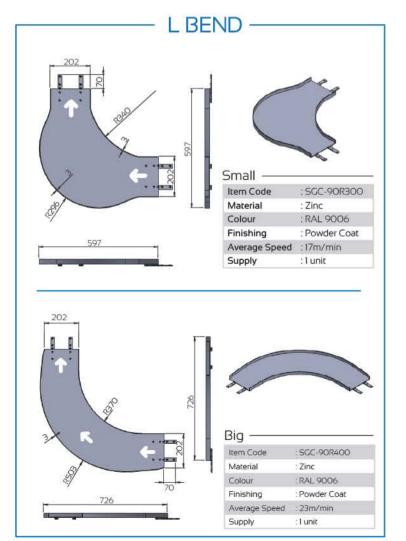




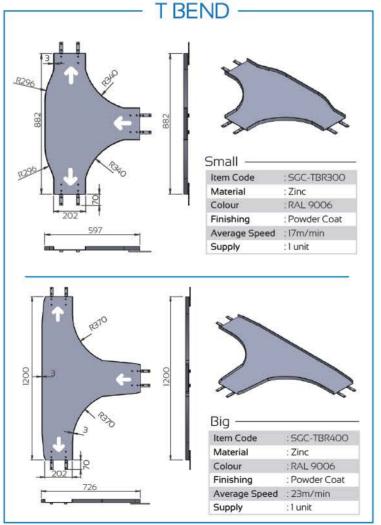


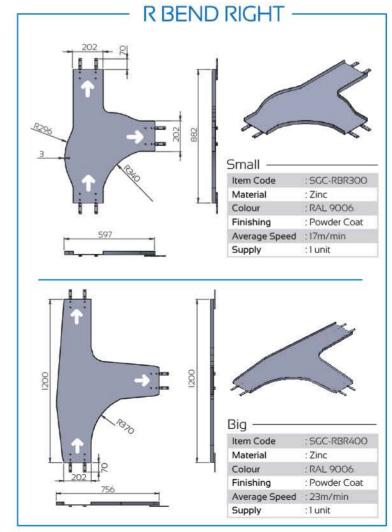


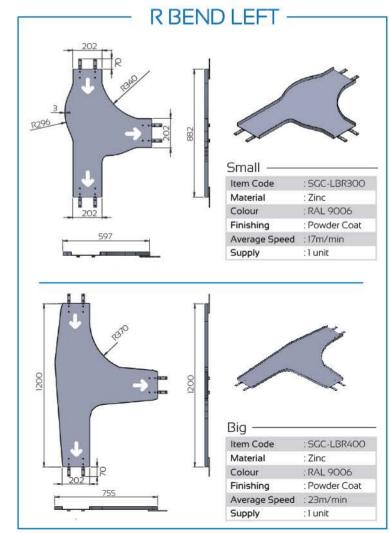




TRACK—— CONFIGURATION









WE ARE CONNECTED

We have a cost-effective technology that allows our technicians to service your **Food Delivery Robot** from our remote center. This way, our technicians do not need to be at site to troubleshoot the Robot. Internet connection must be available to the router for the maintenance. Firmware upgrade and program troubleshooting can be done remotely.

Battery Pack in the **Food Delivery Robot** can easily be replaced once the life cycle is coming to an end. Battery pack maintenance access is located below the robot and with just a few screws to open, you can easily replace the pack. It is that simple!

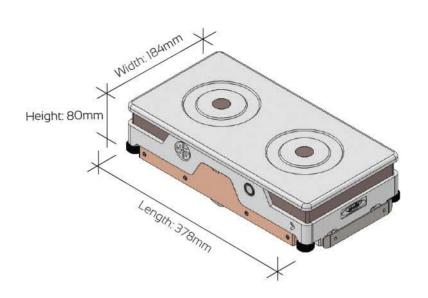


Android & iOS

The System can be used on Windows, Android & iOS Platform. Therefore, you can use any tablet / smartphone / laptop to operate.

It's Simple & Easy





Dimension Overview

ROBOT

Battery	: Rechargeable LiFePO4 - Lithium Iron Phosphate
Battery Capacity	: 6000mA hours
Power Consumption	: Average IO W (Charging time: approximately 4 hours when the battery starts charging from the empty state)
Dimension	: Width: 184mm x Length: 378mm x Height: 80mm
Weight	:5 kgs
Build Material	: ABS plastic
Work Load	:5 kgs
Working Speed	: Up to 50m/min
Motor Type	: 14W, 2 units servo motor
Motor Origin	: Switzerland
Guidance	: Magnetic markers
Charging Availability	: Automatic charging / manual charging
Return	: Soft touch button / automatic detection by plate sensor

Main Board	: Single PCB assembly
Туре	: Raspberry pi compute module 3
	BCM2837 processor at up to 1.2GHz with 1GByte RAM

△ SAFETY

Sensors	: Front & Back Safety Sensors for obstacle detection	
Bumpers	: Front & Back Mechanical safety bumpers	

CHARGING STATION

Input	: AC 110V - 240V 50Hz - 60Hz
Output	: 24V 2.0A
Indicator	: Red LED light for charging indication

⊚WIFI

Technology	: 802.11n wireless technology	
Security	: WPA2 encryption	
Band	: 2.4GHz	

■ NOTIFICATION

LED	: LED light illuminate on side of delivery
Voice	:WAV

LED INDICATOR

Red	: Alert	
White	: Moving forward / backward	
Orange	: Notification of food arrival	





SERVO MOTOR



COMPUTE MODULE



CHARGER ADAPTOR





