## sushi delivery

Noribo is a small, endearing robot that delivers plates of sushi around a restaurant. A fleet of noribo constantly circulate the restaurant, driving directly past dining patrons and providing them with immediate service and a constant variety of food options. Instead of ordering food from waiters, patrons take preportioned plates off the passing noribo.

Noribo can tell when a plate has been removed, and acknowledges the patron by performing a dance, chirping a tune, and/or flashing its lights.

Given the rise in popularity of themed and novelty experience restaurants, customers are receptive to noribo's engaging technology. Noribo provides restauranteurs with a competitive edge in the dining entertainment market.

## team silver

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#### contact

2009silver@mit.edu 2.009 Product Engineering Processes Massachusetts Institute of Technology fun engaging endearing sushi delivery bot

team silver presents

## business opportunity

Noribo is for restauranteurs looking to open a new sushi establishment and to attract patrons.

Patrons will love noribo because noribo is cute, nimble, and engaging. Noribo gives patrons the immediate service, instant satisfaction, and fun experience they desire.

At roughly half the cost of conveyor belt or boat sushi systems, noribo provides even greater flexibility. Requiring only a smooth surface with a drawn line, noribo gives restauranteurs the freedom to develop unique and interesting dining layouts and to dress up the aesthetic. Noribo comes with built in RFID tags to prevent theft prevention.



## engineering & design

Noribo uses robust, proven technology that has been elegantly integrated into a compact package.

navigation. Using 5 infrared sensors, noribo can smoothly follow a line on any table surface. Noribo's front sensor gives it obstacle detectionwhether it's another bot, a plate of food, or a person's hand.

driving, Noribo has small, high torque motors that allow it to carry a full 1kg load while traveling at the optimum sushi travel speed-8 cm/s.

exterior. Noribo's sleek and durable polycarbonate exterior has a low profile that is both aesthetically pleasing and fully functional-it keeps noribo's electronics safe from spills, is easy to clean, and is FDA compliant.



Noribo's top sensor allows it to detect when a plate is removed, and noribo responds by flashing its lights, chirping a song, and performing a dance.

bells & whistles.

battery. Noribo charges fully in 1.5 hrs and runs for 7 hrs off a single charge. Noribo comes with a cubby charging system.

# providing a new dining experience

## features



driving pace



theft prevention



obstacle detection



1.5 hour charge time





7 hour battery life





500 battery charge cycles





parallel charging

#### customization

Noribo is adaptable to the restauranteur's vision in terms of aesthetics and performance.









tones. Noribo can chirp custom jingles.

printed logos. Screen printing available on the top of noribo.

shell colors. Durable polycarbonate in an array of color options.



LED underglow. Fun underglows 1111 in different colors.