



**Delivery X1/X1 Pro**  
Where Technology Meets Affordability

# INTRODUCTION

The Gausium X series is a product line dedicated to autonomous indoor delivery. The X series delivery robots are designed to provide cost-effective smart delivery solutions for the hospitality industry where labor shortage and increasing labor costs are of top challenges. Being the first product of the delivery line, X1 performs basic point-to-point autonomous delivery of food, beverage, or various cargos. The robot has advanced localization and environmental perception capabilities powered by Gausium's industry-leading navigation technology and a cutting-edge sensor system. It also adopts advanced shock mitigation mechanisms to provide a stable, spill-proof delivery process.

# APPLICATION SCENARIOS

X1 is designed to serve indoor environments where there's a need for food delivery, including restaurants, hotels, hospital, office buildings and more.



# BRINGING PRODUCTIVITY UP



Holding up to 30 kg of heavy load and reaches up to 3 tables in one go.

# CORE STRENGTHS



## Easier to use and deploy

- Automatic map construction with precise positioning ( $\pm 20\text{cm}$ )
- Fast deployment without QR code for location
- User-friendly software with remote Control & Monitoring
- Equipped with weight sensors and LED indicator lights that perceive and signal the load status, automatically leaving when the load is emptied



## Safer for your people, food & assets

- An array of sensors (LiDAR, depth cameras, cliff sensor) for real-time detection and avoidance of obstacles
- Superb shock mitigation with Independent suspension chassis and shock absorbing trays
- Adopting lithium iron phosphate batteries with a wider operating temperature range, sparing safety concerns of overheating



## Minimal maintenance

- Long-lasting battery of 2000 cycles
- Up to 14-hour running time on a single charge
- Automatic charging, realizing 24/7 service



# ABOUT US

Gausium (alias "Gaussian Robotics") develops and manufactures cleaning robots to co-work with people. The Gausium cleaning robots are comprehensive range of floor cleaning robots, which includes: Vacuum 40, Scrubber 50, 50 Sprayer, Scrubber 75, Sweeper 111 and more in the pipeline. They have been deployed in thousands of commercial, institutional and industrial facilities around the globe to deliver professional and consistent cleaning services.


Founded in 2013 out of a passion for autonomous driving, Gausium built its class-leading autonomous navigation based on advanced SLAM technology and integrated it into cleaning machines. It has since grown into a global leader and is now setting the benchmark for the cleaning robot industry. Today, it has rapidly expanded into a team of over 1000 employees with its headquarter in Shanghai and overseas offices in Singapore, Hong Kong and the Netherlands.

# SPECIFICATION

PRODUCT DENOMINATION	DELIVERY X1/X1 PRO
FEATURE	FOOD DELIVERY
DIMENSION	520(L)*484(W)*1250(H)MM
UNLADEN WEIGHT	35KG
TRAY DIMENSION	400*(L)*470(W)MM
LOAD CAPACITY	10KG*3
TRAY FEATURES	WEIGHT SENSOR AND NTERACTIVE LIGHT
NETWORK STANDARD	4G
WIFI	2.4GHZ
SCREEN SIZE	10.1 INCHES
MAX. TRAVEL SPEED	1.2M/S
MAX. CLIMBING DEGREE	5°
MIN. PASSAGE WIDTH	80CM
MIN. TURNING DIAMETER	80CM
BRAKING DISTANCE	5CM
BATTERY TYPE	LITHLUM LRON PHOSPHATE
BATTERY CAPACITY	20Ah
RATED VOLTAGE	29.4V
MAX. OUTPUT POWER	230W
UPTIME	14-20 H
CHARGING TIME	4H
SENSOR SYSTEM	LIDAR, DEPTH CAMERA, WEIGHT SENSORS(X1 PRO)

## Gaussian Robotics

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