



TONB

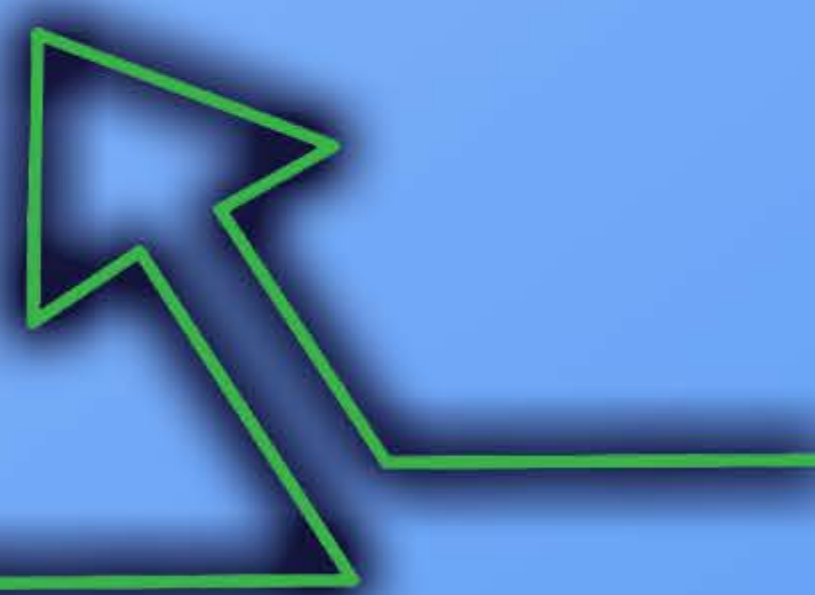
Software Development Company

TONB AUTONOMOUS MOBILE ROBOT FLEET

Smart navigation with enhanced safety

Efficient, precise, and reliable operations

Customizable design, seamless integration





The development of smart systems, Industry 4.0, and the Internet of Things (IoT) has created an ideal platform for the integration of intelligent robots across various industries. The TBOT-500, an advanced autonomous mobile robot (AMR), has been meticulously designed and manufactured using the latest robotics technologies to facilitate material handling in production lines, warehouses, and other industrial settings. Unlike traditional automated guided vehicles (AGVs) that rely on predefined paths, the TBOT-500 autonomously navigates its environment, offering enhanced efficiency with minimal environmental modifications.

Fully autonomous navigation, No environmental modifications.



Precision Navigation with Laser Sensors and Cameras

Smart Obstacle Avoidance for Safety



Automatic Docking for Charging (Wired/Wireless) and Loading



8-Hour Operation with 1-Hour Runtime on 10-Minute Charge



Safe and Easy Manual Control





The Tonb Intelligent Fleet Management System is designed to manage and control autonomous robots within a synchronized ecosystem. This system receives tasks and distributes them based on the robots' location, conditions, and capabilities. Additionally, it continuously monitors all robots, detects potential traffic bottlenecks, and prevents congestion by dynamically adjusting their routes and speeds.



Real-Time Fleet Monitoring

Smart Task Scheduling and Allocation



Robot Traffic Management in Dynamic Environments

Performance Reporting for Fleet Optimization



Integration with Other Software (WMS, MES, etc.)

Optimized and User-Friendly Interface



TBOT-500 Specifications

Parameter	Value	Parameter	Value
Payload	500 kg	Weight	200 kg
Speed	1.1 m/s	Dimensions	1300 × 920 × 490 mm
Operation Time	8 hrs.	Ground Clearance	40 mm
Recharge Time	2 hrs.	Lifting Stroke	5 mm
Battery	LiFePO4	Lifting Area	1000 × 800 mm

About Tonb

At Tonb, we specialize in designing and manufacturing cutting-edge autonomous mobile robots (AMRs) tailored to meet the dynamic needs of modern industries. With a focus on innovation, efficiency, and safety, our solutions empower businesses to optimize material handling, streamline operations, and adapt seamlessly to ever-evolving industrial challenges.

Our flagship product, the TBOT-500, exemplifies our commitment to excellence—offering advanced navigation technologies, modular designs, and robust fleet management systems that ensure reliability and precision in the most demanding environments.

Driven by a passion for technological advancement and customer success, Tonb combines expertise in robotics, software development, and system integration to deliver intelligent, scalable solutions that transform workflows across automotive, food, chemical, and other industries. We are proud to be a trusted partner in the journey toward smarter, safer, and more efficient industrial operations.



www.tonbsoft.com



info@tonbsoft.com



+98 912 076 68 70



No.6, 4th Tohid Alley, Khovardin St., Shahrak-e-Gharb, Tehran, Iran