



# AUTONOMOUS MOBILE ROBOT

## SEAMLESS LOAD TRANSPORT ROBOT SOLUTION

The Autonomous Mobile Robot model boasts a traveling speed of up to 1 m/s and a maximum payload capacity of 150 kg. The AMRs are automatically navigated and operate without drivers. As part of customers' production and intralogistics, they are used to increase the performance and effectiveness of production and warehousing.

General	
Payload Capacity	150 kg
Vehicle Dimensions L/W/H	1110 x 565 x 440 mm
Wheel Base	380 mm
Max. Speed	3 m/s
Ground Clearance	65 mm
Steering Control	
Turning Radius	0 mm
Steering Kinematics	Differential
Steer Motor Power	400 W
Suspension	Passive
Power	
Battery	48 V, 60 Ah
	24 V, 7 Ah
Charging port	Yes
Navigation Type & Range	
Type of Navigation	LIDAR
Manual Control	Yes
Environment	Indoor
Teaching Method	Mobile App
Connectivity	
Wifi and Ethernet	Yes
Protection & safety	
180 degree safety	Yes
Emergency stop	Yes
Path Obstruction action	Yes



#lifeatbit

Such laser navigation technology - based systems operate indoors as well as outdoors with high-accuracy localization with help of LIDAR sensor. AMR is engineered to greatly enhance productivity in manufacturing and logistics. It is designed for strength and rigidity, featuring a heavy-duty platform for handling loads with high performance.

### Integrated safety system includes:-

- Avoids static and moving obstacles
- Redundant safety motion control
- Speed limits and emergency stop
- Remote safety control options

### TEXSONICS SYSTEM INDIA PVT LTD

1/6-1, Keerakara Thottam, Keeranatham, Coimbatore 641035  
 94426 24304 | 94888 34703 | texsonics@yahoo.com  
 www.texsonics.com



### PRODUCT INNOVATION CENTRE

### BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University - Chennai • Approved by AICTE • Accredited by NAAC with 'A+' Grade  
 SATHYAMANGALAM - 638401 ERODE DISTRICT TAMILNADU INDIA  
 Ph: 04295 226690 / +91 99429 99966 Email: picoffice@bitsathy.ac.in Web: www.bitsathy.ac.in