

# RAGHAV

FLOOR TRANSPORTATION. SIMPLIFIED

TUGGER & UNIT  
LOAD TYPE AGVS



## ▶ ABOUT RAGHAV

A breakthrough solution in mobile robotics for heavy material movement on Indian shop floors ensuring high level of safety. RAGHAV is twin type AGV which can tow trolleys or even carry bins/pallets as a unit load carriage. RAGHAV AGVs use Colored path guidance technology which is 3x more flexible and lower in maintenance than traditional magnetic tape or laser based navigation. A more advanced SLAM based Natural Navigation variant is also available which relies on static natural features in the environment and does not need additional navigation aids like tapes, reflectors etc.

## ▶ WHY RAGHAV ?



User Friendly



No Major Shop Floor Modifications



Epoxy Painted Floor Not Mandatory



Compatible with Non-Standard Trolleys



Layout Flexibility



Low Maintenance



Affordable Cost



High Safety Standards

(ANSI/ITSDF B56.5-2012)

## ▶ SPECIFICATIONS

Dimensions (mm)	:	1080(L) X 625(W) X 780(H)
Movement Type	:	Unidirectional
Load Carrying Capacity	:	500 /1500 (Tugger) 250 / 750 (Unit Load)
Navigation Technology	:	Color Sense/ Natural Navigation
Turning Radius (m)	:	1.5
Battery Backup (Hrs)	:	12+*
Charging Time (Hrs)	:	4 *
Maximum Speed (m/min)	:	60 *
Stopping Accuracy (mm)	:	+/-15
Battery Type	:	VRLA, 24V 200Ah

\* Ideal conditions

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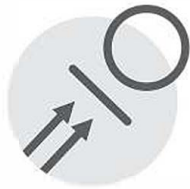
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## TUGGER & UNIT LOAD TYPE AGVs

### ▶ FEATURES



Path Storage & Selection



Accurate Obstacle Detection



Stopping on Collision Detection



IOT based Reporting

Obstacle Detection	180 deg , 4 m Radius
Emergency Switch	Standard
Manual Control	Standard Hand-held Unit
Path Reversal Facility	Standard
Touch Screen HMI	Standard
Opportunistic Charging	Optional
Battery Replacement	Optional
Performance Analytics Tool	Optional

### ▶ APPLICATION SECTORS



Automobile



Pharmaceutical



Agricultural



Defense



Food & Beverage



Chemical