



Automatic Guided Vehicle Systems

Mobile Robotics Since 1982



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SOLUTIONS SUITE

Transbotics manufactures, installs, and supports various automation technologies, including custom, and standard AGVs, AGCs, heavy load AGVs, conveyors, batteries, chargers, motors and other related products. Transbotics provides unique automation solutions to a variety of industries, including automotive (and tier one suppliers), primary metals, food and beverage, aerospace and defense, plastics and paper and allied products.



CONSULTATION/ DESIGN

Consultation begins by working closely with our clients to understand the application and overall system requirements. Countless variables are considered and studies are conducted down to through-put calculations. Based on this thorough assessment, our team can make recommendations and submit a proposal. Typically, 2D CAD drawings are provided first, followed by a 3D layout and simulation.



MANUFACTURING

Once a system is established, our clients get a dedicated project management team that follows the project from start to installation. In the manufacturing stage, the team stays in close contact with the client, providing updates, photos and site visits. The team's primary goal is to deliver the system on time, on budget, and with the utmost quality control.



INSTALLATION

Upon completion of the build process, in-house testing of the equipment is conducted, followed by FAT and shipment to site. A team is sent to the client's site to conduct installation and further testing of the system and application. Once approved, the system is ready to run.



TRAINING

Along side the installation stage, the first training with operator(s) occurs. Operators take part in the installation process, enabling them to fully understand how to operate, trouble-shoot, and even service the vehicle. Further training can be provided upon request.



AFTERMARKET

Our Aftermarket team offers a wide array of services to help client's run their system smoothly for the life of the vehicles. From parts, to service, to remote trouble shooting and training. Aftermarket can be reached 24 hrs a day, 7 days week to provide excellent customer service.

Revolutionary AGV

Benefits

AGVs are great for increasing efficiency and reducing costs, by helping to automate a manufacturing site or warehouse. Below are just some of the many benefits.

- Increase Labor Skill
- Less Product Damage
- Multi-shift & 24/7 Operations
- Increased Safety
- Reduced Maintenance
- Improved Accuracy



ADVANCED TECHNOLOGY

Transbotics offers the latest technology to achieve optimal operating efficiencies, thus increasing your bottom line. This allows us to improve safety and the ability to react quickly to operational changes.

- Superior Position with Vector Control
- AC Motors do not require maintenance like DC motors. This reduces maintenance cost and increases ROI.
- AC Motor Controller Ratings up to 1,500 Amps@ 48V. Unequaled power for moving large loads like jumbo rolls with AC motors.
- We offer State-of-the-Art fast charging technology with Hi-Tech sealed Lithium chemistry battery solutions or pure lead configurations. Lithium batteries have fast-charge capability and nominally 5,000-20,000 cycles for unmatched battery life.
- CWAY- A 3D user interface system for remote system monitoring and analytics.
- HMI- Human Machine Interface on each AGV to provide system status.

OUTDOOR & TEMPERATURE CONTROL

Automated Guided Vehicles offer varying degrees of flexibility. Designed for both indoor and outdoor conditions AGVs can accommodate a range of environmental elements such as wind, rain, and snow as well as harsh indoor temperatures such as those found in cold-storage facilities or hot mills and factories.

ELIGIBLE VEHICLES INCLUDE

Counterbalanced Forklift	Assembly
Tugger	Straddle
Conveyor Deck	Unit Load
Heavy Load	Lift Deck

The Transbotics AGV is designed specifically for the individual conditions it may encounter at a customer's facility - providing effective indoor or outdoor automation. The system design considers a number of environmental factors including temperature, terrain, visibility, humidity and rain, allowing for flawless transport in the main facility and between multiple production buildings if desired.



CUSTOM AGVS

Transbotics is a leading provider of AGV customization. Our range of solutions and talented engineers allow for us to tackle the most challenging application requirements within most environments. Custom engineering is available for all AGV vehicle types on the market today. Our specialty is to integrate custom Automatic Guided Vehicle ("AGV") Systems with other types of automation equipment and software. We are the most creative, innovative and reliable engineers in the business. So what does this mean? It means that you are working with a company that is dedicated to providing you with THE SOLUTION rather than products.



BENEFITS

- Suitable for any industry, application or environment
- Wide range of load capacities exceeding 40,000 lbs
- Able to meet the most complex requirements
- Complete custom solution can integrate in just about any system

As you browse through our AGV models, keep in mind that everything you see is customizable.

HEAVY LOAD

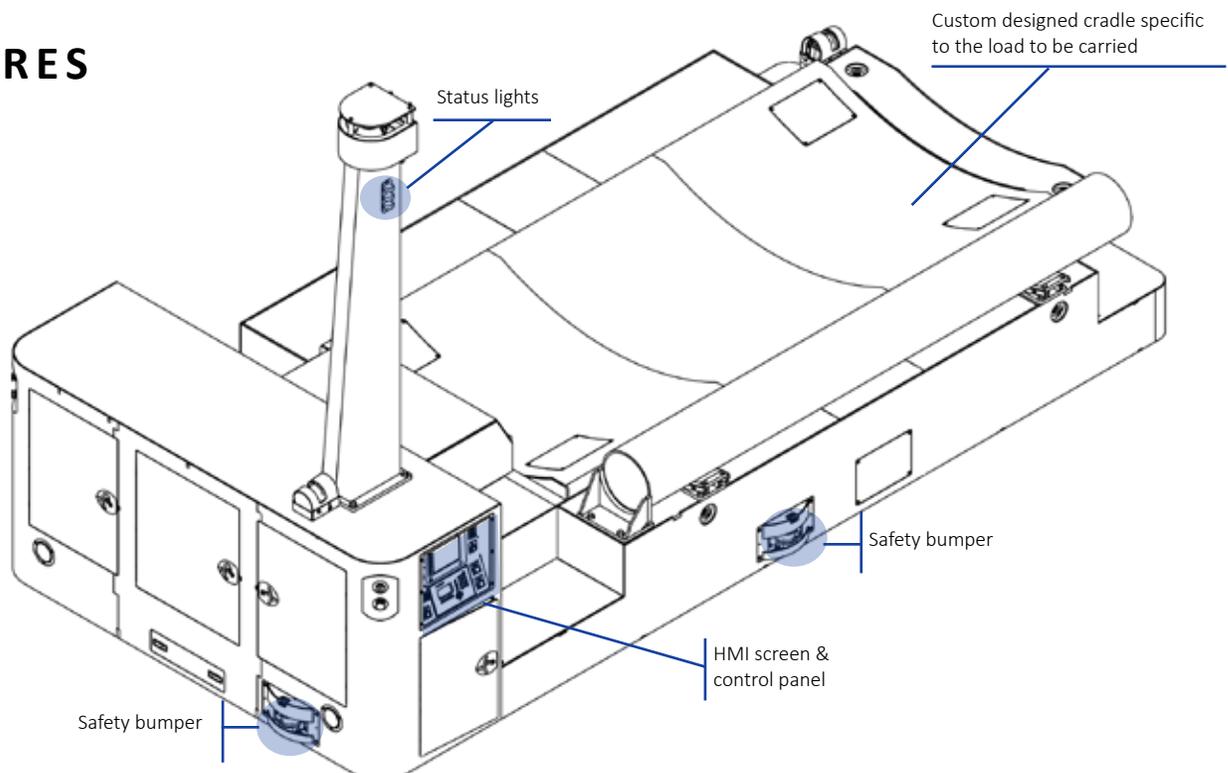
Large capacity vehicles are utilized in a variety of industries; steel, aluminum and paper mills all transport sizable loads. Transbotics offers Automatic Guided Vehicle solutions for these and other heavy load applications.

APPLICATIONS

Coils, Plate, Ingots	Hot and cold coil transport Spool trays Industrial bins Steel & aluminum mill automation
Jumbo Rolls	AGVs transport rolls regardless of process, temperature or weight. Paper mills Converting mills Printers & plastics
Other	Large capacity vehicles are utilized in a variety of industries beyond rolls and coils. We provide dye movers, blank transport, creel, aerospace, large frame and other applications.



FEATURES





TRANSBOTICS



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