**iBOTS by AIM**

The new AIM *iBOT* Line (Intelligent Battery Operated Transporters) provides a flexible and cost effective platform to Tow, Carry or Convey your load. Our new “*iBOT*” line replaces conventional AGC’s while delivering standard features with industry leading options:

- The fastest AGC on the market with speeds to 200 fpm
- #6,000 towing, #3,000 carrying capacity
- On board PC Controller, Magnetic Tape Guidance and RFID routing
- Fast Charge Automatic Battery Charging
- Plug in Manual Control Device
- Continuous 802.11.b/g RF Communication

*Compare these features to other AGC Suppliers and see the *iBOT* difference*

- Options Include:
  - Bi-directional Travel Capability
  - Optional Auto Hitch/Unhitch capability
  - Optional Upgrade to Laser Guidance
  - Load Handling - Single and Dual Conveyor Deck to 12” Elevation - Lift/Lower Deck

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America In Motion, 8026 Tower Point Drive, Charlotte, NC. 28227  www.weareaim.com  704-246-3961
VEHICLE SPECIFICATIONS

Model: iBOT Series

Guidance System: Magnetic Tape or Embedded Bar Magnetic
Option to Upgrade to Laser Guidance
Decision/Stop Points: RFID Labels/Proximity Plate
PC Controller: Pentium class, with Windows CE OS
Communication: 802.11.a or b/g

Specifications:
- Travel Speed: Variable 0 - 200 fpm
- Stopping Tolerances: +/- .5"
- Guidance Tolerance: +/- .5"
- Max. Capacity (Carry): #3,000
- Max Capacity (Tow): up to #6,000 dependent on trailer wheel composition
- Max. Grade: 2% with de-rated load
- Vehicle Weight: #650

Drive/Steer System: Type 220 Steer/Drive Assembly, 24 VDC, 500/800 W
- With 9” dia. X 2.75” wide Vulkalon drive wheel and encoder for closed loop speed feedback
- Integral 24 VDC steer motor with gear to gear coupling. Absolute encoders for drive and steer feedback.
- Adjustable closed loop speed control system.
- Reliable contactor free pulse width modulation.
- Fail safe electric drive brake operation.
- 8” diameter polyurethane load wheels

Power supply: (4) Enersys 12 VDC, 95 AH, Sealed, Thin Plate AGM Battery
- Battery size/weight: 7” W x 13” L x 6.5” T, #150 total weight
- Battery Capacity: 24 VDC, 190 AH
- Operating Time: 6-8 hours without charge
- Auto-charging: Standard, with fast charge 100 and 200 A charger

Safety: Meets ANSI B56.5 2012 Requirement
- Front Laser Scanning Bumper
- Emergency Stop Pushbuttons (each corner)
- Audible Alarm
- Visual Warning light
- Vehicle Status Light

“from Concept to Reality”