



604 Smith Street, Algonac, MI 48001  
[www.threesales.com](http://www.threesales.com)  
 Certified MBE  
 Phone: (810) 794-8160

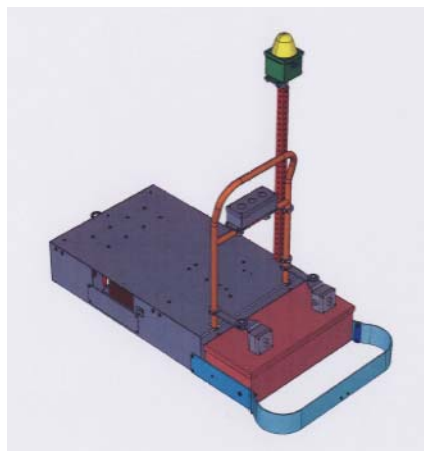
2026 S. Parker Rd, Marine City, MI 48039  
[www.auto-craft.com](http://www.auto-craft.com)  
 ISO 9001 Certified  
 Phone: (810) 765-1333



AUTOCRAFT  
 TOOL & DIE

# AUTO-CART - AUTOMATIC GUIDED CART

## MODEL: E500 UNIT LOAD TUGGER AGC SPECIFICATIONS



### AUTO-CART STANDARD FEATURES:

- **Drive and Steering:**
  - 24 VDC differential transaxle w/ motor and an electrically released, spring set, fail-safe brake;
  - 8"/208.4mm diameter Urethane drive wheels;
  - Linear position feed-back sensor;
  - High torque steering actuator;
  - 4" dia. spur gear driven Urethane steering wheel;
  - Steering position feed-back module;
  
- **Guidance:**
  - Digital video camera with custom algorithms;
  - Modulated, uniform, self-contained light source;
  - Guidepath tape re-teach or program new color;
  - Dead reckoning capable;
  - Loss of guidance sensing;
  
- **Cart Controls:**
  - A dedicated micro-processor core module controls: speed, steering, guidepath imaging and the linear STEP program;
  - Operator controls;
  - Obstacle detection and bumper control;
  - Diagnostics
  - Battery and charger management;
  - Web page control and interface;
  - Communication interfaces, when necessary;
  - Part present and Stop floor marker detection;
  
- **Visible Diagnostics:**
  - Battery condition, low;
  - Loss of guidepath;
  - Obstacle detected;

### AUTO-CART STANDARD FEATURES (Con't):

- **Speed Control:**
  - Pulse Width Modulated (PWM)
  - High bred "Closed" loop
  - Automatic deceleration in curves and selected straight sections without programming;
  - Programmable speeds
  - Automatic speed selection with the STEP programming module;
  
- **Battery and Charger:**
  - (2) 12 VDC GEL @ 71 Amp Hour;
  - 24 VDC, motor operating voltage;
  - 25 amp "smart" charger, (3) auto charge levels;
  - Removable battery tray for easy recharging;
  - Quick connectors for faster battery exchange;

### SPECIFICATIONS:

- Live load capacity (on deck).....500 lbs
- Tugger Capacity.....Up To 1000 lbs
- Mule wt w/batteries and charger.....250 lbs
- Max. Speed .....225 FPM
- Drive Voltage.....24 VDC
- Stopping Accuracy .....±.25 Inch
- Ground Clearance.....1 inch
- Min. Turn Radius (90°).....25 inches @ 90 FPM
- Deck Dimensions.....36" L x 24" W x 9" H
- Deck Material...Pre-Punched, Formed and Welded Steel

### NOTES:

Please consult the factory for a list of options, price, delivery and AGC application assistance. Demo and proto-type vehicles may be available, contact you sales representative for details. Specifications may change without notice. Contact the factory if there are questions.

This document is Uncontrolled when printed. Rev.: 11172007

**IMMAGINATION and INNOVATION ARE THE ANSWER**