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AUTOCRAFT
 TOOL & DIE

AUTO-CART - AUTOMATIC GUIDED CART

MODEL: E-3500 UNIT LOAD/TUGGER AGC



AUTO-CART STANDARD FEATURES:

- **Drive and Steering:**
 - 24VDC Medium Duty differential transaxle w/motor & electric released, spring set, fail-safe brake;
 - 10" 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;
 - Heavy Duty Drive with cooling module
 - Voltage multiplier brake module
- **Guidance:**
 - Digital video camera with customized algorithms;
 - Modulated, uniform, self-contained light source;
 - Guidepath tape re-teach to program new color;
 - Dead reckoning capability;
 - Loss of guidance sensing;
 - Ultra-sonic setup chime;
- **Cart Controls:**
 - Dedicated micro-processor core module controls: speed, steering, guidepath imaging & linear STEP program;
 - Operator controls;
 - Obstacle detection and bumper control;
 - Diagnostics;
 - Low Battery Chime;
 - Battery and charger management;
 - Web page control and interface;
 - Communication interfaces, when necessary;
 - Part present and Stop floor marker detection;
- **Visual 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:**
 - (4) 12 VDC GEL @ 71 AH each; ~140 total AH
 - 24 VDC, motor operating voltage;
 - 40 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).....1000 lbs
- Drive Train Pull.....Up To 3500 lbs
- Mule weight w/batteries and charger.....~450 lbs
- Max. Speed.....165 FPM
- Drive Voltage.....24 VDC
- Stopping Accuracy.....~±.5 Inch
- Ground Clearance.....1 inch
- Min. Turn Radius (90°)..... 39 inches @ 90 FPM
- Deck Dimensions.....48" L x 25" W x 12" H
- Deck Material.....Steel: Pre-Punched, Formed & Welded

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...check with the factory before ordering.