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AUTOCRAFT
 TOOL & DIE

AUTO-CART - AUTOMATIC GUIDED CART

MODEL: E-500 TUNNEL AGC SPECIFICATIONS

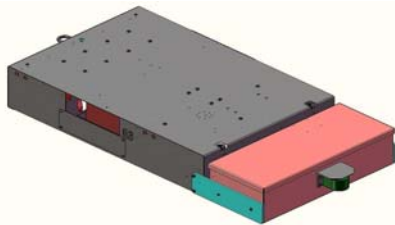


FIGURE ABOVE
 Solid View of TUNNEL AGC
 with Electrically Actuated
 Tow Pin and Proximity
 Switch in Rear of TUNNEL
 AGC

PICTURED BELOW
 Tote Rack Delivery System –
 TUNNEL Application Automatically
 Raises Tote Rack and Delivers It to
 an Assembly Line and Picks It up
 When Empty

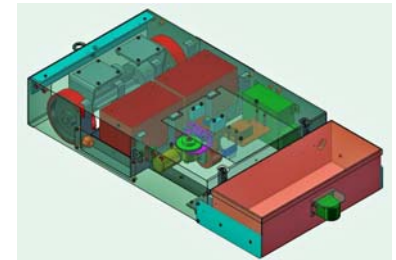
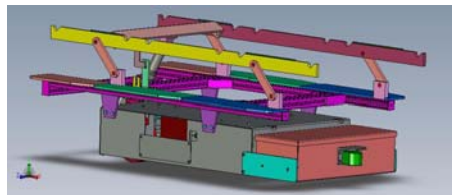


FIGURE ABOVE
 Transparent View of TUNNEL
 AGC without Controls Details

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;
 - Diagnostics
 - Low Battery Chime
 - Battery and charger management;
 - Web page control and interface;
 - Communication interfaces, when necessary;
 - Part present and Stop floor marker detection;
 - Automatic tow pin engage and disengage;
- **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 Towing Capacity.....Up to 1000 lbs
- Deck Capacity.....500 lbs
- AGC weight w/batteries and charger.....325 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
- OA Vehicle Size.....55” L x 24” W x 9” H
- Deck Material.....Steel: Pre-Punched, Formed & Welded

NOTES:

Please consult the factory for options, price, delivery and AGC application assistance. Demo and proto-type vehicles may be available, contact you sales representative for details. Specifications are subject to change without notice.