Automatic Guided Vehicle and Cart Solution Options

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Why an AGV System?

- Return on Investment
- Increases Safety
- Increases Productivity
- Eliminates or Reduces Product and Equipment Damage
- Eliminates Single Point Failure and Restricted Floor Space
- Flexible Manufacturing Solution Providing Real-Time Production Feedback
- Life Cycle of an AGV Solution Can Be Greater Than 15 Years
Capacity vs. Pricing

Increasing Complexity and Capacity

5  15000  30000

kg
Drive Configurations

- **Single Steer/Drive** - tricycle
- **Three Wheel Drive** – all steer or single steer
- **Dual Steer/Drive (Quad)** – allows crabbing
- **Four Wheel Steer/Drive** – allows crabbing
- **Differential Steer/Drive** – center pivot

AGVs can independently drive and steer multiple wheels in **ANY** configuration. This ability allows the vehicles to move any direction without limitation on vehicle or load size.
Guidance Options

Multiple Technologies

- Laser
- Spot
- Tape
- SLAM (Feature Following)
- Gyro
- Dual/Multiple
AGC

- Light Loads
- Simple Operation
- Retractable Drive
- PLC Driven
- Fast Payback
- It's an AGV in a Box
Fork Truck
Roller Deck
Tuggers
Custom Designs

AGVs Designed Specifically For Your Application
Power Options

Multiple Technologies

- Battery – Lead Acid/NiCad/Lithium Iron
- Fuel Cells – Hydrogen/Methanol
- Motor Generators

Multiple variants in every category
Communication Options

Multiple Technologies

• Wi-fi 802.11a/b/g
• 900 MHz
Optional Remote Devices
Multiple Solutions, Similar Results

- Types of Vehicles, i.e. Fork, Conveyor, Tugger
- Types of Navigation
- Different Navigations within the same system with either the same vehicle or multiple vehicle types

Depending on a customer’s needs/wants, there may be more than one solution that can be fulfill their requirements.
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