

# KUKA

# MOR-TECH



Transfer Solutions\_Autonomous Guided Carts from KUKA Mor-Tech



Discover the full line of low cost, easy-to-operate KUKA Mor-Tech automated guided carts (AGC) and optimize processes across your manufacturing environment.



# KUKA Mor-Tech AGC model range

## MK1500 AGC

Cost-effective, flexible and reliable, the MK1500 provides an intelligent way to transport products and material throughout your manufacturing environment.

Equipped with 24VDC military grade TPPL batteries, on board charging and towing up to 1,500 lbs the MK1500 utilizes cost-effective magnetic tape for guidance, making it easy to install and easy to modify to your changing needs.

With a high torque stepper motor controlled steering system for accurate and responsive navigation. This cart also has Class 3 safety scanner for collision detection and avoidance e-control reliable e-stop circuits that drops power to the motors when enacted.



## MKX1500 Dual Action AGC

Agile and versatile the MKX1500'S TRUE forward and reverse capability allows it to operate in complex manufacturing settings.

The MKX1500 Dual Action Cart consists of the following major components:

- Tugging Capacity: 1,500 lbs.
- Allen Bradley Micrologix PLC
- Unique Steering Shaft allowing manual steering and pushing for easy recovery and maintenance
- High Torque Stepper Motor Controlled Steering for accurate and responsive navigation
- Optional wireless communication
- Fault Code Display
- Magnetic Tape



## MK2500 AGC

The HDX2500 is made up of the transaxle drive unit, battery packs and control, steering and tow pin units. The control enclosure holds the PLC, indicators and pushbuttons that the user require to perform interface and operational procedures on the AGC unit.

Also included on the front and rear of the AGC is a Class 3 collision avoidance and detection system. The Class 3 safety scanners are used to slow the AGC if approaching an object is detected. It will initiate a stop if the AGC continues too close and the object does not move.

The HDX2500 Dual Direction Cart consists of the following major components:

- Transaxle Unit
- Brake Pull Rod
- Battery Packs
- Opportunity Battery Charging Contact Assembly
- Drive Control Units
- Steering Control Units
- Tow Pins
- Magnetic Tape
- Control Enclosure
- MicroLogix PLC Processor



**KUKA Mor-Tech** automated guide carts are a low cost, easy to operate, easy to maintain way to optimize processes across your manufacturing needs. Material handling to assembly applications, each AGC provides an unbeatable combination of safety, performance and reliability.





- AGC Path Planning
- Part Fixturing
- Support and Maintenance Services
- Traffic Control Systems for Flow Management
- Load Assists and Hand Tooling for General Assembly

Contact us to learn how we can change your product delivery

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