Creform AGV Systems can simplify the most complex problems of material movement... easily, consistently and economically.

Creform AGVs are battery-powered drive units that follow a magnetic tape guidepath. The drive units attach to vehicles that are built using the Creform pipe and joint system, or to existing carts such as those traditionally pulled by manned tuggers.

Our AGV drive units are also utilized in flexible production lines such as those for building sub assemblies. Structures are designed and built using the Creform System or other means with overall costs for the system being kept to a minimum.

Creating an AGV to meet your exact needs is easy with over 700 components and accessories available from Creform. You can create your own designs or use our engineering expertise.

- No need to cut up concrete floors
- Single & bi-directional units
- Multiple speeds
- Wide range of capacities
- Custom AGVs available
- Deliver to multiple locations
- Traffic control to handle multiple AGVs
- 12 or 24 volt battery systems
- Opportunity chargers keep AGVs running
- Operate as flexible assembly line
- Improve ergonomics
- Support continuous improvement efforts

800-839-8823
www.creform.com
**Easy to install... easy to modify.**
Creform AGV drive units are an all-in-one package with integrated drive and steering motors, control circuit board and guide sensor. When needs change, the drive units are easily removed and installed on new or modified vehicles providing flexibility and continuous improvement.

Our 42mm pipe provides the strength for transporting heavy components while heavy-duty drive units provide the power to deliver them.

**The BST uni-directional tugger.**
The BST AGV tugger provides economies, simplicity and flexibility to an AGV system's installation and operation. The BST drive unit follows a magnetic tape guidepath and easily glides under stationary carts, engaging the cart by extending a catch pin into the cart’s frame. The BST unit then conveys the cart to load/unload points further along the guidepath, retracts the pin to disengage from the cart, and is freed to travel to further points and move additional carts to other strategic locations.

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**Create a guide path**

Creform magnetic guidepath tape is available in straight rolls and curved sections. After the floor is cleaned the tape is easily laid down and can be coated with an epoxy finish for added durability. In-ground magnetic straps, 3/8" deep by 1/4" wide, are available for high traffic areas, especially those with fork lift traffic. Guidepath routes have no limitations and are easily routed around immovable obstacles.

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**Surface Mounted Magnetic Tape**

Powered and un-powered roller beds provide efficient load transfers while optical sensors, safety bumpers, flashing lights, audible warning devices are available to help meet AGV safety requirements.

For applications requiring multiple travel routes and/or complex traffic control, a PLC controller can be used in conjunction with position feedback sensors and monitors to provide operational management.

The Creform BST system allows users to move multiple carts of similar designs, or a variety of carts provided the undercarriages feature the BST interface.