

FOR ECONOMICAL, FLEXIBLE, RELIABLE AND SAFER MATERIAL DELIVERY... CREFORM INTELLIGENT AGV SYSTEMS.

Creform BST AGVs are cost effective, reliable alternatives to individually controlled AGVs because one drive unit can mobilize several carts. They simply drive under a stationary cart, extend a tow pin into a BST hitch and mobilize it.

In addition, when needs change and carts are modified, there is no need to reattach drive units to each cart, saving assembly time and cost. The following units represent Creform's BST line.

NSB BST TUGGER

The NSB model has an eight-bit optical communications device for remote control and starting. It also features a electromechanical emergency and parking brake, a non-contact programmable laser bumper and e-stop with 8-view sets plus other standard safety features including audible warning and flashing light. The NSB accommodates large batteries for full shift operation.



NSI BST TUGGER

The NSI model has the most sophisticated control system available in BST style tuggers. It controls up to 50 courses, 128 commands each, and is programmable by either PC or onboard HMI touch screen. It also has an RFID reader for command initiation. Safety features include a non-contact programmable laser bumper and e-stop in with 16-view settings.



STANDARD BST TUGGER

The Standard BST drive unit is an economical alternative for simpler installations that do not require sophisticated controls. Although it is slightly smaller, it can still manage a fleet of carts. It has safety warning devices, a non-contact obstacle sensor and follows magnetic tape commands on the floor.



TITE-SPACE BST TUGGER

When there are tight turns and narrow aisles to negotiate, the Tite-Space BST can easily manage them because of its 400mm turning radius. It is also well suited for line-side assembly points where space is usually at a premium. It has many of the safety features and functionality of Creform's standard BST AGVs.



Creform line-side gravity flow racks are easily sized to specific needs.



Creform carts can be built to safely handle sequenced large parts.



A single BST AGV can manage an entire fleet of sequenced parts carts.

800-839-8823
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CREFORM[®]
MATERIAL HANDLING SYSTEM
HOW IT'S PUT TOGETHER... SETS US APART.



FOR ECONOMICAL, DEDICATED, RELIABLE AND SAFER MATERIAL DELIVERY...

CREFORM BOLT-ON AGV SYSTEMS.

The Creform bolt-on AGC drive system consists of multiple modular components, including bolt-on drive systems, power sources and controls, magnetic tape guidepath and accessories — components that are then combined with custom-configured cart designs to provide users with unique, application-specific solutions.

Carts and/or tuggers for the AGC system are configured to meet specific needs using the Creform® System of pipes and joints or fabricated steel and the bolt-on AGCs are attached underneath to mobilize them. Creform's material handling specialists are available to support your design project and provide turnkey solutions if required.

This AGV tugger is one of a 19 cart system for delivering kitted components to an automotive assembly line eliminating the need for line-side parts and component storage. The tuggers are powered by a Creform bolt-on AGV unit and all carts are assembled using the Creform System of pipes & joints.



This compartmented vehicle has 32 spaces total for safely transporting sequenced assembly components, kitted materials or fragile, delicate components. The cart was created using the Creform system of pipe & joints and the addition of a Creform AGV drive unit power source converts it to an AGV.

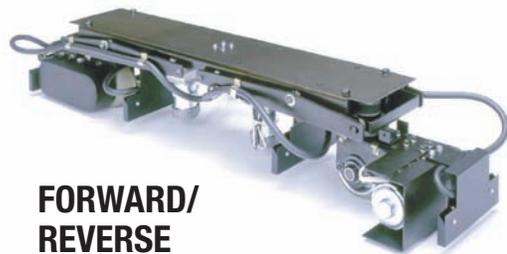
This Creform AGV runs in a continuous loop around the production floor of an eyeglass assembly plant delivering trays of lenses, eyeglass frames and other parts, and programmed to stop at 10 stations for a set period of time. It freed up the material handler for value adding jobs.



This robust unit is used as a mobile assembly line for dashboards and sub assemblies then also serves as a delivery vehicle to the assembly line of an automobile manufacturer. Each fabricated steel unit is powered by a Creform bolt-on AGV.



FORWARD ONLY



FORWARD/REVERSE

Creform bolt-on AGV drives attach under carts made using the Creform System of pipe and joints. When it becomes necessary to change a cart, the AGV unit can be reattached to an upgraded cart or an entirely new vehicle. Creform offers ten different sizes and types of bolt-on AGVs with load limits from 550 lb (250kg) up to 2960 lb

(1300kg). Seven models travel in forward only and three in forward/reverse modes. They are battery powered and Creform offers overnight charging units as well as opportunity charging stations. These AGV units can also be attached to existing carts built of other materials provided they have the proper clearance to accept the AGV drive unit.