

NEWS from:



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New Product Information—For Immediate Release

Creform introduces newly designed, low profile bi-directional AGV,

New unit provides for more flexibility, higher load capacity and lateral movement.

Greer, SC—Creform has introduced the model, CA-B50100-NSI AGV, the newest edition to the company's lineup of materials handling AGV systems. The new model is a bi-directional AGV that provides more flexibility for movement along its guideway as it can travel in both directions and when necessary rotate in place. The dual drive wheels also give this AGV higher load capacity and the ability to travel laterally.

Both ends of the AGV are guided as each of the dual drive wheels independently follows the guideway. This high level of control reduces the amount of space that the AGV requires when routing especially in turns or space restrictive areas. It can optionally be controlled remotely via a smart phone, tablet or ProFace Remote HMI and can travel at speeds up to 50 m/min. and has an estimated towing capacity of 2,222 lb. (1,000 kg).

The CA-B50100-NSI measures 10" H x 20" W x 78" L (272 mm x 505 mm x 1986 mm) and follows a magnetic guideway that is surface mounted or embedded in floor. The unit has an electro-mechanical emergency and parking braking system and has a minimum turning radius of 31.5 in. (800 mm) and 11.8 in. (300 mm) only in the lateral direction traveling at a slow speed. AGV is powered by 24V batteries.

The unit meets safety CAT3 requirements, comes with 16-view laser scanners for obstacle detection, flashing lights, E-stops and an audible warning to alert nearby associates.

The AGV provides for a 50-course programming capability using HMI screen located at one end of the AGV. This unit includes I/O monitoring, course programming, error messages and error log. The unit reads floor mounted RFID tags for position feedback as well as command tapes adjacent to the magnetic tape guideway.

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Creform introduces newly ...2/ with photo and caption

Embedded photo is for reference only. Hi-res photo is attached as separate file.

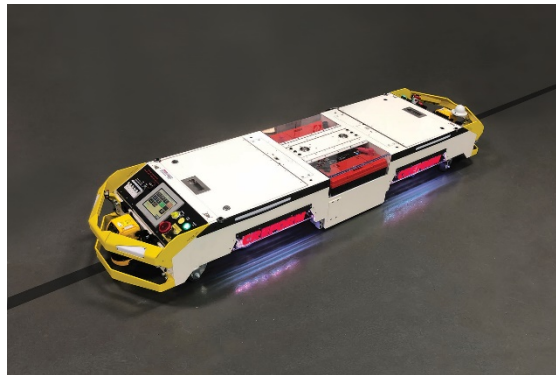
AGV features a single or dual spring-loaded tow pins that can interface with a variety of carts. The towed carts will have all swivel casters and the dual tow pins will securely and precisely connect the cart/AGV together as they navigate the system.

Additional optional equipment includes an opportunity charging system and an industrial radio to communicate with offboard devices. The opportunity charging system minimizes the need for an associate to manually charge the batteries. Auto charging takes place at set locations along the guidepath that AGVs automatically engage as they travel through their daily tasks. A common use for the onboard radio is to communicate with Creform's AGV traffic management system that keeps all the AGVs running smoothly.

Creform System is used to create an array of material handling and efficiency enhancing devices and is a proven component in continuous improvement and lean manufacturing programs. The company partners with customers in developing and implementing these programs.

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Online at creform.com for additional information regarding Creform Corporation and its products.



CRE-617 Caption: Creform AGV Model CA-B50100-NSI.