

NEWS from:



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New Product Information—For Immediate Release

When tough needs to get tougher.

Creform Corporation introduces its highest capacity tunneling and tugger AGV.

Greer, SC—Creform has introduced the two-ton Super NSI AGV model, CA-Z40200-NSI, the company's highest capacity tunneling tugger AGV. The particular model shown was initially designed and built for an existing automotive manufacturing customer. The AGV transports a steel dolly carrying an engine through the front suspension assembly process along a peel and stick magnetic tape guidepath. The completed engine and front suspension is delivered to the main line for installation in the vehicle. While not utilized in this application, the Super NSI's has auto-reversing and 180° pivot-turn capabilities. Useful in space restrictive applications.

The AGV provides for a 50-course programming capability and HMI touch screen, RFID readers installed adjacent to the guidepath and 5Ghz wireless radio for traffic control. Creform provided the customer with a custom wireless monitoring/traffic control system that integrates the new Super NSI AGV, allowing for user friendly traffic control and communication to an upper level monitoring system. The wireless system monitors each unit and controls AGV traffic and allows for flexible production control.

The unit meets safety category 3 requirements, comes with a laser scanner for obstacle detection, flashing light and audible warning to alert nearby associates. Unit has a maximum speed of 40M/min. It features a powered hitch that allows for automatic coupling and uncoupling. Pin raises to engage cart and lowers to disengage cart.

The Creform system comes with a 24-volt system, powered by (2) 100AH 12v AGM batteries. An opportunity-charging system eliminates the need for an associate to change batteries and to take the time to service the batteries consistently. With each circuit of the guidepath, batteries are automatically charged by just pulling into a

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

charging station positioned along the route. No human intervention is necessary.

Automatic charging is part of the normal AGV course program. Vehicle pulls into charging position, lowers the charging probes to contact the conductor plates embedded in the floor. Smart charger evaluates the battery's condition and then turns on the charger for a quick battery boost. If an especially low battery condition is detected, the system has a loop where an AGV can pull off and have extra time for the batteries to be topped off.

The 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-598 Caption: Creform two-ton Super NSI AGV model, CA-Z40200-NSI.