



Application Story

Global Trash Solutions Reduces Waste Expense with Unitronics Jazz™

Not all automation tasks necessarily demand units as advanced as Unitronics' Vision570™, or Vision350™ PLC and Integrated HMI models. Some tasks require simplicity rather than sophistication.

In their mission to change the way the world looks at waste handling and recycling, *Global Trash Solutions* was able to reduce businesses waste expenses, by incorporating the Unitronics Jazz® into their trash compaction equipment. The Jazz™ controller is specifically designed to control smaller machines, and to perform simple-to-medium automation tasks, which made it a perfect fit for Global Trash's GTS 2000 compaction model. Ultimately, the unit is programmed to move the compactor plate up and down, and to sense pressure. It then senses the volume of garbage in the waste bin and alerts users when the bin is 25%, 50%, 75% and 100% full. This unique solution reduces the number of dumpsters required, which in turn reduces the monthly cost of pickups and results in payback over several months.

To prevent unauthorized users from operating the equipment, the controller requires a start code to operate. If no start code is entered, the controller will prevent the hydraulic pump from operating. It also prevents accidents by working with magnetic sensors that alert the PLC when the door is not shut, or an object is in the way of operation. After the code has been entered, and "clean mode" has been selected, the controller moves the compactor plate up and down and pauses in the middle. This allows the user to clean the machine easily.



"The Unitronics Jazz™ control provided a low cost solution for control, operator messages, and diagnostics with multiple languages that any operator can use." Said GTS President, Peter Spano. GTS Installation coordinator Jason Pennington also stated that "The Unitronics PLC provided the perfect solution for our need for control. Whether it was safety, mechanical or functionality, the Jazz had it all."

To learn more about GTS, visit their website at: www.global-trash-solutions.com