

UNWRAPPING THE FUTURE OF COTTON GINNING**Lagina Grove****Jimmy Stover****Stover Equipment Co., Inc.****Corpus Christi, TX****Abstract**

The *Stover Unwrapper GIS (Gin Improvement System)* provides a cost effective and efficient way to process the new John Deere round seed cotton modules. Modules arrive at the gin in round form wrapped in polyethylene. In order for the gin to process the seed cotton modules into lint bales, the round modules must have the plastic wrap removed. The *Stover GIS* processes the round modules as they pass down the floor end to end to provide a constant uninterrupted feed-rate to the gin. The *Stover GIS* utilizes RFID technology to detect a tag that is located in the “no cut” zone and rotates the module 180 degrees before cutting to eliminate plastic contamination. The *Stover GIS* operates on a traveling gantry over the existing feeder floor. When processing a module, the gantry travels at the same speed that the module is traveling, thereby allowing uninterrupted flow to the disperser hood.