

SOUTHEASTERN GIN & PEANUT, INC.

PLASTIC CONTAMINATION DETECTION/REMOVAL



THE CLIENT

Southeastern Gin & Peanut,
Inc. Surrency, Georgia USA



THE PROBLEM

The rise in plastic contamination around the world, primarily attributable to the plastic wrap used in the latest onboard module-producing seed cotton harvesting machinery, created an urgent need to detect and remove any contamination pieces prior to the gin stand.

THE SOLUTION

Through collaboration with the USDA ARS Lubbock Gin Lab and a commercial agreement with Bratney Companies, The VIPR™ (Visual Imaging Plastic Removal) System was developed, installed, and field tested during the 2019/20 ginning season. During evaluation of five colors of plastic module wrap contamination, the system achieved an overall average detection/collection efficiency of over 89%.