DISPENSING & RETURN UNITS

SYSTEM DESCRIPTION
HiTech manufactured and assembled gown dispensing and return units. These vending machines dispense scrubs so hospitals can better manage their scrub inventory and control costs. After inserting an electronic identification card into a Operator ID Scanner a hospital employee may select scrub top and bottoms of an appropriate size. A robotic arm selects the appropriate garment and dispenses it to the user. In addition, a separate return unit is essential to the process. The employees used garments are inserted into the return unit by using the same identification card.

RESPONSIBILITIES
Similar units were manufactured outside of the USA which presented delivery and other challenges. HiTech took on the responsibility of being a domestic supplier who took on the existing design and modifications for domestic supply, manufacture and delivery on a timely and economically viable basis.

HiTech, through many hours of engineering study, sorted through the existing engineering drawings and bill of materials to create a price for the supply of a US manufactured unit. HiTech sourced the metal fabrication for the enclosure. HiTech provided the mechanical design, project management, purchasing of components, fabrication, assembly, testing, documentation and check out of the entire systems.

BENIFITS
The new dispensing and return units allow hospitals to inventory each employees scrub status. Repeat units are quickly and easily assembled at HiTech when the customer has a need.