

DISPENSE & RETURN UNIFORM MACHINES

**Custom Machine Design for Uniform Dispensing & Return Vending
Machine provides 100% reliability for inventory management**



SOLUTION

- Automate dispense and return of medical industry uniforms
- A robotic arm selects the appropriate garment and dispenses it to the user
- Includes an Operator ID Scanner and Operator Interface Panel
- Camera takes a confirmation picture of each return transaction

RESULTS

- Reduced Delivery times by 50%
- Unit Cost savings of 25%
- Companies can now inventory uniform checkouts and returns with 100% confidence

PROJECT SUMMARY

At Pieper Automation, we pride ourselves in our unique ability to provide complete industrial automation/controls solutions & services for our customers, including on-site support, integration of machines/systems, new equipment design and machine upgrades. Along with our custom assembly machine manufacturing and panel building, we deliver you a seamless solution – from one supplier.

Pieper Automation designed, built and manufactured dispensing and return vending machines such that companies can better manage their uniform inventory and control costs.

Using a supplied electronic identification card, an employee may select uniform top and bottom of an appropriate size. Once the system recognizes the ID and a uniform is selected, a robotic arm is used to select the garment and dispenses this to the employee.

A separate return unit is essential to the process, and Pieper Automation included in the design a Used Garment control scheme. Used garments are processed by using the same identification card into the return unit and a confirmation picture is captured. This allows for 100% inventory control.

Pieper Automation sourced the metal fabrication of the enclosures and provided fabrication, assembly, testing and check out of the entire systems. Installation and field services have been supported by our qualified personnel.

Design modifications for US sourcing have yielded 50% better delivery and 25% better pricing for new units and spare parts for the customer.

The initial units have proven to be a big success for the client and a significant number of units have now been rolled out across the country. Pieper Automation continues to build a long term relationship with the satisfied customer and has been tasked to also handle the sourcing and inventories of the spare parts needed for these machines.



WE ALWAYS FIND A WAY