



# Product Catalog

## Digital Workwear Management Solutions



## BRINGING DIGITAL TRANSFORMATION TO YOUR WORKWEAR OPERATIONS

Polytex is the global leader in digital workwear management solutions. We deliver innovative digital-first technology to help our customers achieve their vision and business goals.

### Industry Solutions

Polytex full-cycle workwear solutions enable workwear and laundry managers to gain more control and optimize their operations.



#### Healthcare

Monitor and control your workwear, and increase hygiene levels, with convenient, automated, self-service workwear operations and management.



#### Industrial Manufacturing

Focus on your core business and eliminate inefficient workwear management by automating your cleanroom and production floor workwear operations.



#### Hospitality

Improve customer and employee satisfaction by providing a fast and efficient automated workwear management system.

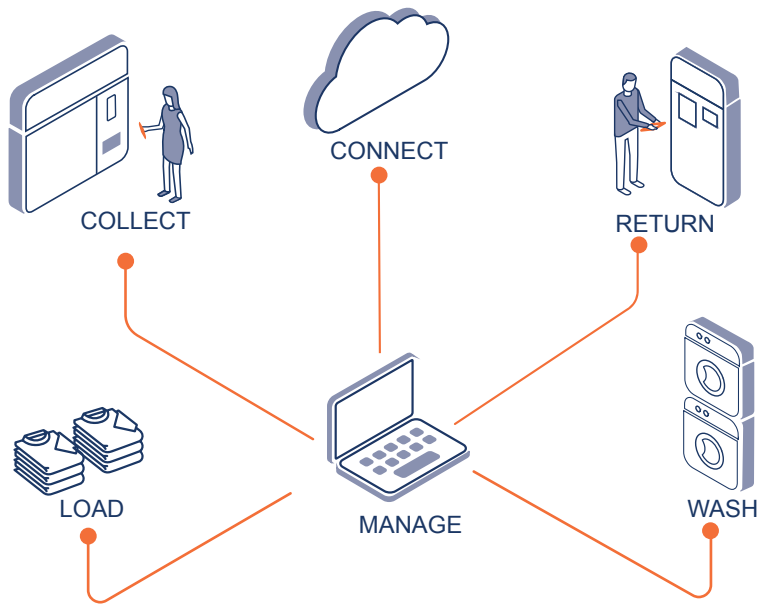


#### Laundry Service

Optimize your workwear and uniform rental services, improve availability and strengthen customer loyalty with automated laundry management services.

## How It Works

We simplify operational processes with an automated, full-cycle digital workwear management system.



## Our Value Proposition

Polytex offers reliable, automated workwear dispensing and return solutions, with a low cost per employee, accurate usage tracking and high operational efficiency.



### Convenient Digital Experience

Deploy a fully automated, hassle-free process, with reliable 24/7 clothing availability at convenient multi-point locations.



### Low Cost Per Employee

Eliminate use of costly storage space, while reducing inventory levels and laundry costs through standardized, size-based distribution.



### Accurate Usage Tracking

Monitor and control actual workwear usage with personal item tracking data for each employee.



### High Operational Efficiency

Integrate automated digital transformation technologies to modernize your workwear management processes.



### Hands-Free Hygienic Process

Store and distribute all garments in a closed, clean and sealed environment, with no manual handling throughout the entire workwear management lifecycle.

# SOLUTION HIGHLIGHTS

## TRUSTED EXPERTS IN DIGITAL WORKWEAR MANAGEMENT SOLUTIONS

With over two decades of experience in the laundry industry and over 4,000 machine installations worldwide, Polytex has gained a solid reputation as a trusted and reliable provider of workwear management solutions.

### > Ultra High-speed Workwear Dispensing

Eliminate employee queues in the workplace with an average dispensing speed of about 6 seconds per workwear item.

### > Innovative Robotic Process Automation

Polytex machines contain a highly accurate robotic mechanism that can identify and grip a wide range of loose or packaged items.

### > Optimized Workwear Storage Capacity and Variety

Smart cell configuration and the flexible dispensing mechanism enable high-capacity storage for up to 1200 garments (with up to 96 item variations and 1.5 cm thickness per item).

### > Easy-to-access Machine Maintenance Panel

The handy side panel enables easy access for technical maintenance. All unit mechanisms are highly protected from tampering or vandalism by unauthorized personnel.

### > Fast and Simple User Authentication

Polytex offers flexible user authentication methods, including swipe card, contactless tap and biometric face recognition (optional).

### > Industry-standard Data Security Protocols

Polytex solutions fully comply with ISO-27001, SOC-2 security requirements and GDPR data privacy regulations.

### > Intuitive, Multi-lingual Touchscreen

Accessible panel design with a large 15" screen, intuitive menu-driven navigation and easy swipe card interaction.

### > Health, Safety and Environmental Protection

All Polytex machines contain UL and CB markings to show that our products conform with EU standards for health, safety and environmental protection.



Workwear Management



Dashboard & Reports



Garment Tracking



Total Care Manager



Secure Connectivity



Inventory Control



Remote Maintenance

# TOTAL CARE MANAGER

## EMBRACE DIGITAL TRANSFORMATION TO INCREASE OPERATIONAL EFFICIENCY

The Polytex Total Care Manager enables you to create a fully automated workwear management system and a highly efficient digital experience for your employees.

### Gain Visibility and Control

Polytex improves decision-making with accurate and reliable real-time data.

- **Track Garment Usage Per Unit:** Optimize laundry service cycle based on actual usage per department and team.
- **Monitor Inventory Stock Levels:** Identify lost or damaged items to reduce purchase costs.
- **Improve Quality of Service:** Ensure workwear availability to increase employee satisfaction.



### Generate Dashboard Alerts and Reports

Leverage the Total Care dashboard to improve operational performance with real-time actionable alerts and up-to-date reports.



- **Operational KPIs and Reports:** Identify the status of workwear availability across sites, departments and teams.
- **Real-Time System Alerts:** Get real-time alerts about unit malfunctions, system events and performance issues.
- **Collaborative Data Sharing:** Export reports to PDF to share data with colleagues and managers.

## Access Data Anytime, Via Any Device

Manage your operations in a secure, robust and scalable Microsoft Azure working environment, from anywhere.

- **High Availability:** Increased productivity and network reliability with "4-Nines" SLA uptime.
- **Frequent Data Backups:** Automated data snapshots, hot-site disaster recovery and full access to your backup data.
- **Automated Updates:** Continuous feature enhancements and security updates, with no downtime to your operations.
- **Any Device:** Access from any computer or mobile device.



## Create Seamless System Integration

Expand your system capabilities and consolidate your data via REST API functions.



- **Connect to External Systems:** Create seamless integration with external systems, including laundry service and ERP applications.
- **Automate Workflow Processes:** Improve efficiency by eliminating manual data input activities.
- **Expand System Capabilities:** Gain access to data and services provided by third-party applications.

## Ensure Your Data Is Safe

Polytek complies with industry standard ISO27001 and SOC2 security regulations to ensure your data is completely safe and compliant with GDPR requirements.

- **Multi-level Threat Protection:** Safeguarded by Microsoft Azure security mechanisms.
- **Policy-based Data Privacy:** No disclosure of your data to unauthorized people.
- **Automated Security Updates:** Frequent security updates to your system environment and data repositories.



# DISPENSING UNITS

## Model D200 PRO

Compact, modular dispensing unit suitable for any scale volume. Offers high capacity, fast throughput and a small footprint.



### Key Features

- Capacity of up to 600 items (1.5 cm height)
- Up to 30 item variations
- 15" touchscreen with interactive UI
- Easy access and serviceability

### Technical Specifications

Unit Dimensions:	191(w) x 80(d) x 198(h) cm
Dispensing Throughput:	Approx. 6 seconds
Electricity:	230V, 50Hz / 115V, 60Hz

## Cell Configuration

Storage cells are fully customizable to meet customer needs and requirements for any type of workwear item, size and color.

Item Type



Color



Size



Type A  
16 Cells





## Model D300 PRO

Full-size dispensing unit suitable for large-scale volume. Offers high capacity, fast throughput and a small footprint.

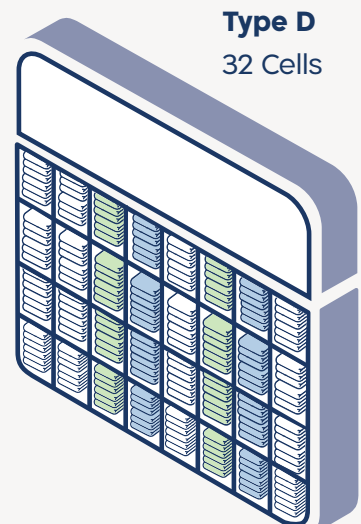
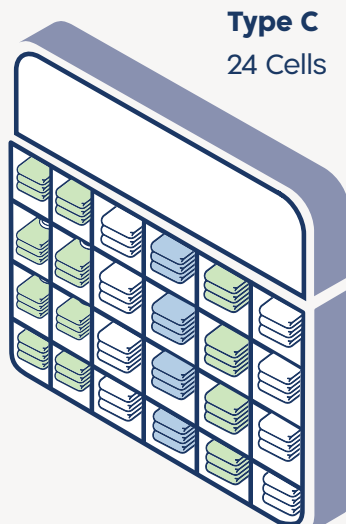
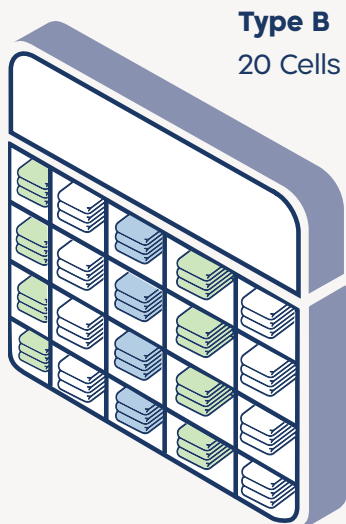


### Key Features

- Capacity of up to 1200 items (1.5 cm height)
- Up to 60 item variations
- 15" touchscreen with interactive UI
- Easy serviceability

### Technical Specifications

Unit Dimensions:	342(w) x 80(d) x 198(h) cm
Dispensing Throughput:	Approx. 6 seconds
Electricity:	230V, 50Hz / 115V, 60Hz



# RETURN UNITS



## Model R310 PRO

Full-size return unit suitable for large-scale volume of workwear. Can be moved to any location.

### Key Features

- Standalone, portable unit with 2 return cells
- Capacity of up to 360 items
- 7" touchscreen with interactive UI
- Extended laundry cart space

### Technical Specifications

Unit Dimensions:	153(w) x 80(d) x 198(h) cm
Cart Dimensions:	84(w) x 70(d) x 180(h) cm
Extended Cart Option:	75(w) x 91(d) x 180(h) cm
Electricity:	230V, 50Hz / 230V, 60Hz



## Laundry R210 Chute

Convenient pull-door laundry chute with laundry cart capacity of up to 300 items for holding dirty items.

### Technical Specifications

Chute Dimensions:	100(w) x 89(d) x 198(h) cm
Cart Dimensions:	90(w) x 82(d) x 170(h) cm
Electricity:	230V, 50Hz / 230V, 60Hz

\* Supports UHF tags only

## Model R310X

Powerful, wall-mounted workwear return unit that provides speed, reliability, site-specific capacity and easy operation.

**Capacity:** Unlimited, defined by available room space

**Electricity:** 230V, 50 Hz / 230V, 60Hz



## Model R110X

Workwear return unit that provides speed, reliability, site-specific capacity, and ease of operation.

**Capacity:** Unlimited, defined by available room space

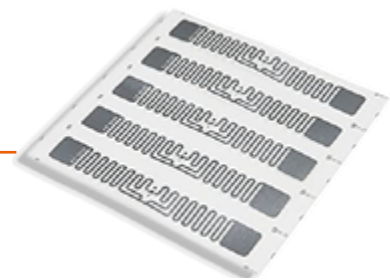
**Electricity:** 230V, 50Hz / 115V, 60Hz



# GARMENT TRACKER

## STREAMLINE GARMENT TRACKING CAPABILITIES WITH RFID TAGS

Polytex RFID garment tracking solutions enable you to generate real-time data for each stage of the workwear management process with high accuracy. Polytex garment tracking solutions support all types of RFID methods, including HF and UHF tags, and are fully customizable to meet any operational requirement and scale.



Ultra-High Frequency  
RFID Clothing Tags

### Customer Benefits

#### ④ Track Laundry Wash Cycles

Wash cycle metrics help predict the end-of-life date for each garment. With RFID tags you can record the number of wash cycles per item and plan for future workwear inventory stock levels and purchases.

#### ④ Reduce Loss and Theft

RFID tags provide accurate check-in and check-out data. Garments are automatically assigned to the person who retrieves the item from the dispensing unit and not to the person who returns the item.

#### ④ Ensure ESD Compliance

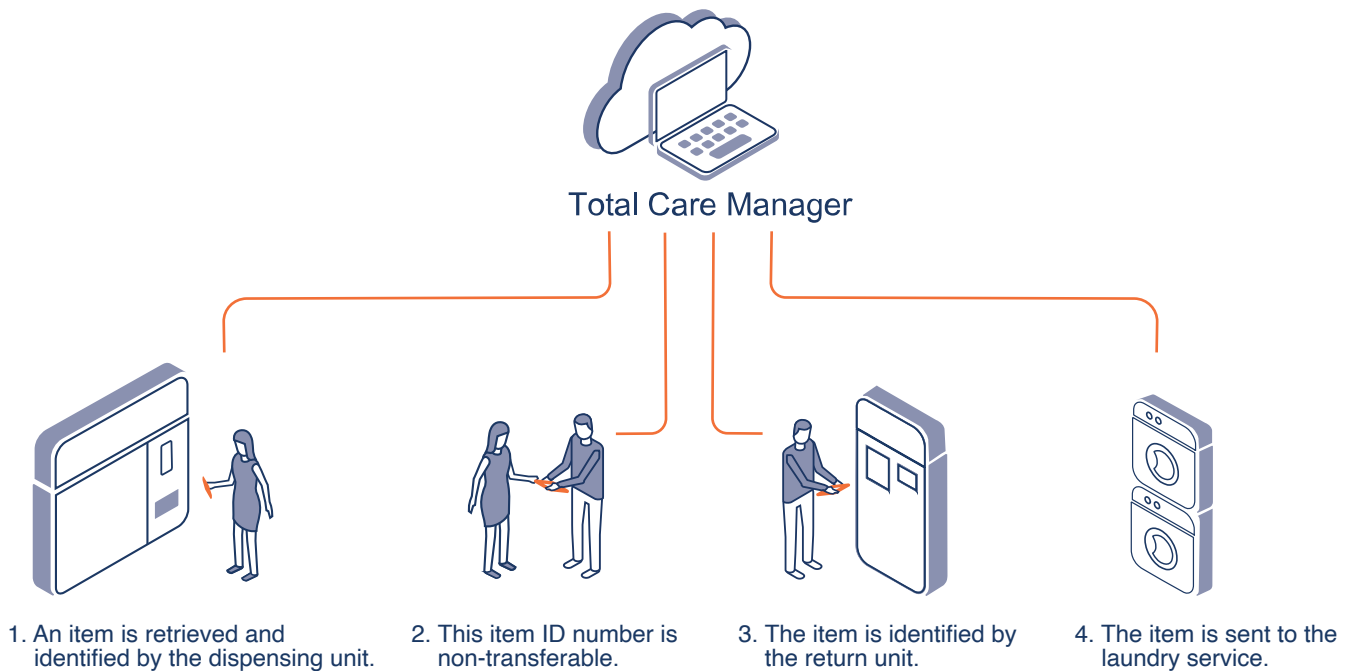
To ensure compliance, RFID tags record when, where and how garments are washed and dried, including what machine and detergents are used, and the temperatures at which the washer and dryer were set.

#### ④ Control Laundry Service Costs

Identify and record hundreds of workwear items sent to the laundry service as well as when they return. RFID tags ensure there is no loss during the laundry process and enables accurate billing to control laundry costs.

## Garment Tracking in Action

RFID tags are stitched, sealed or embedded into scrubs and workwear items. Each RFID tag provides a unique digital identifier to enable full tracking capabilities. When an item is used by an employee, the Polytex dispensing and return units capture each action and register the status of the workwear item in the Polytex Total Care Manager database. The unique item ID is registered even when a workwear item is returned by a different person.



## Full Cycle Integration

Integrate the Polytex Garment Tracker solution with Total Care Manager to gain full control over your workwear operations. Total Care Manager provides accurate, real-time statistics and detailed reports for any item of workwear in your inventory.

- **Inventory Control:** Monitor and control inventory level for usable workwear items.
- **Availability:** Identify availability of items based on type, size and popularity.
- **Billing Audit:** Ensure accurate billing and return of items from your laundry service.
- **Usage Data:** Generate accurate usage and return data for each staff member.

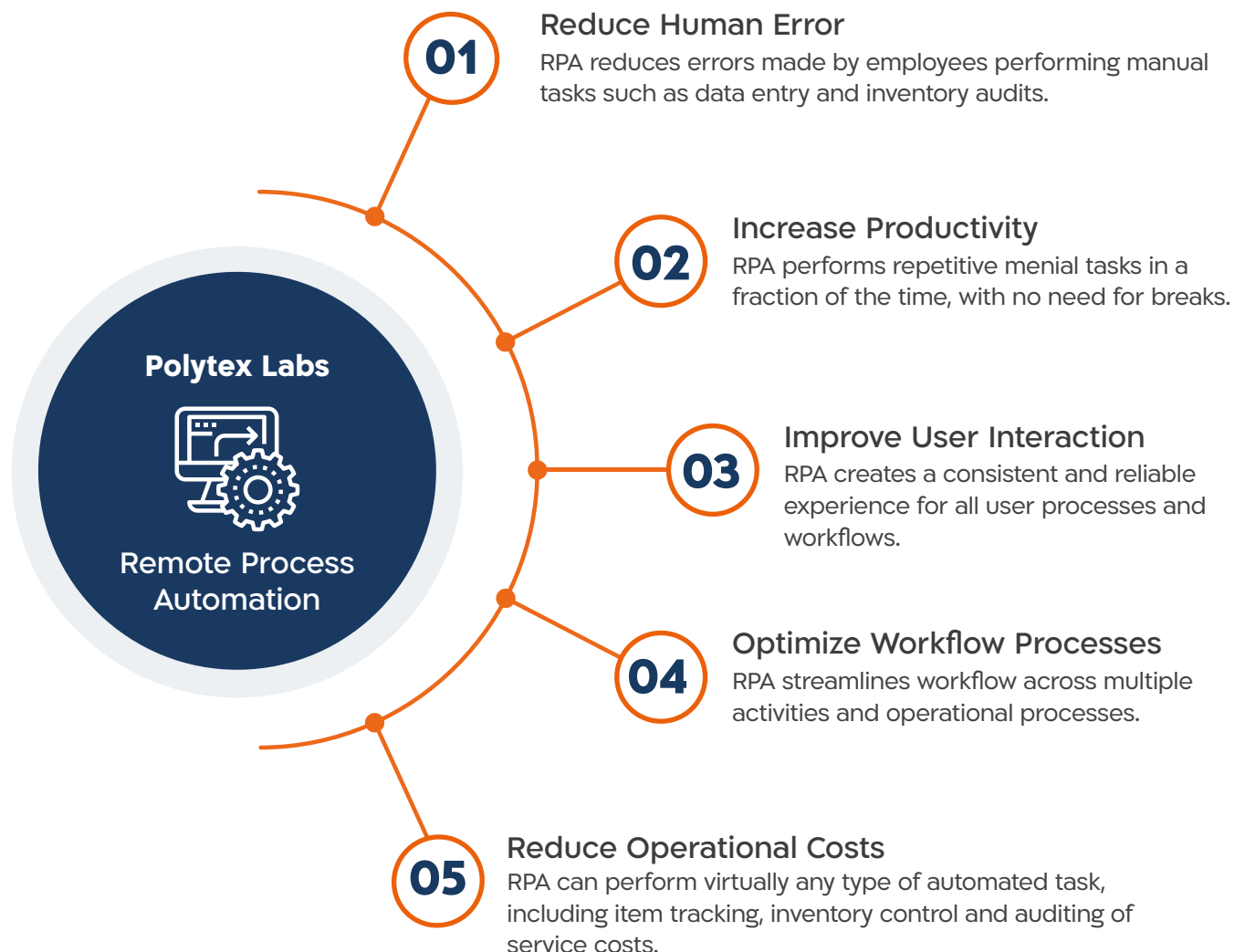


## DOING MORE WITH LESS IS VITAL TO LONG-TERM BUSINESS SUSTAINABILITY

At Polytex we continually adapt, pivot and evolve to navigate this ever-changing world. Our customers are no different. That is why at Polytex we invest heavily in Robotic Process Automation (RPA), flexible product design and process-driven digital transformation technologies. Our technology solutions help customers to increase resiliency, improve operational efficiency and promote long-term business sustainability.

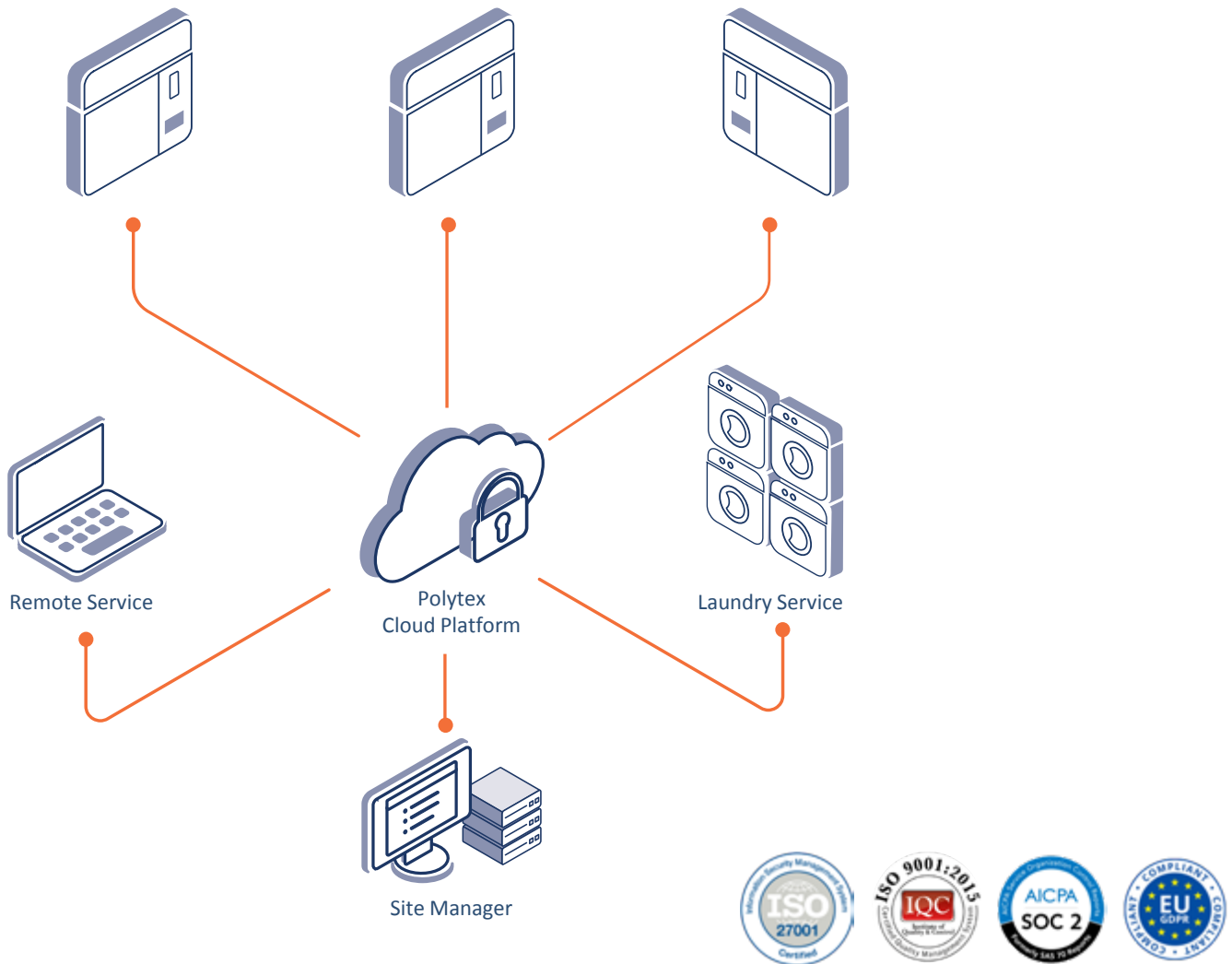
### Integrating Robotic Process Automation

Robotic process automation is a software technology that replaces human activity with digital interactions and processes. By integrating Polytex RPA software and hardware mechanisms, customers can assign valuable and high-quality personnel to other more valuable and productive tasks.



## Secure Built-in Cloud Connectivity

The Polytex cloud platform ensures your management application is secure and always up to date. Our platform offers self-service connectivity to any machine with real-time access to data and reports.



## What the Experts Say

"At least 40% of all businesses will die in the next 10 years...if they don't figure out how to change their entire company to accommodate new technologies."

John Chambers  
Executive Chairman, Cisco Systems



Established in 2003, Polytex Technologies is a global leader in “digital-first” workwear management solutions. Polytex drives digital transformation technology across the entire workwear management lifecycle with a wide range of automated dispensing and return units. Polytex machines connect to a SaaS-based cloud management system that features full workwear monitoring and control capabilities. Our solutions are used by hospitals and healthcare institutes, manufacturing sites, hospitality and fitness centers. Polytex has over two decades of field-proven industry experience in large-scale commercial laundry services, and over 4,000 installed units located in North and South America, Europe and Asia.

## Contact Us

For more information about Polytex products and services, visit our website at: [www.polytex-technologies.com](http://www.polytex-technologies.com)



To contact a Polytex sales representative, send an email to: [info@polytex-technologies.com](mailto:info@polytex-technologies.com)