

LAUNDRY

SMART TRACKING FOR LAUNDRIES

Enabling full automation and 100% read-rate

Today's industrial launderers face challenges in order to remain efficient and competitive. Garment losses can account for up to 10% of processed garments. Up to 5% of barcode labels fail to be read with traditional identification systems. In addition, barcode labels often need replacement as they deteriorate after several washing cycles and rough handling.

Recognizing this challenge, TAGSYS has developed an extensive offer based on RFID (radio frequency identification) dedicated to linen suppliers and industrial laundries. This offer not only significantly improves the sorting process at the laundry, but also provides a unique way of delivering and automatically collecting garments at customer premises.

This solution includes:

● **Garment Tags**

The Garment Tag is based on TAGSYS' Ario™ smart label operating at 13.56 MHz, the frequency that works best in industrial laundry environments. Coated in thin plastic, the Garment Tag is resistant to water, extreme temperatures, chemicals and harsh environments. Small and thin, it can easily and unobtrusively be affixed and patched onto fabric. The Garment Tag is available in read-only, read/write and multi-read (read several tags/garments at the same time).

● **Automatic Check-in and Check-out Stations**

RFID reading stations (includes antennas and readers) are affixed to table-tops and enable tags on garments to be rapidly read while operators sort soiled garments as they enter the facility to be processed. Successful reading is confirmed on a PC screen and through an audible signal. A similar system allows clean garments to be accurately packaged and picked up for delivery at the various customer sites.

Dimensions* (L x W)	31.5 x 43 cm (12.6 x 17.2 inches)
Electrical	110 - 230 VAC

*may vary

● **Universal Reading Station**

The Universal Reading Station enables automatic sorting on conveyor and 100% garment read-rate "on the fly". The RFID antennas and powerful reader inside the station enable rapid identification of all garment types and sizes on conveyor (pants and shirts).



LAUNDRY

The system is reliable enough to ensure just about 100% of garments read-rate (customer testimonials upon request). The frequency at which this system works offers the best resistance to industrial ambient noise generated by neon lights, engines and PC screen. The Universal Reading Station is adaptable to customer requirements and conveyor characteristics and easily mounted onto conveyor systems.

Dimensions* (L x W x D)	136 x 51 x 11 cm (54 x 20 x 4 inches)
Communication Interface	RS232 / RS422 / RS485
Electrical	110 - 230 VAC - 50-60 Hz
Conformity	CE, FCC

**may vary*

● **Additional Services**

TAGSYS works with leading companies to develop new systems and services to further improve the efficiency of laundry processes.

Ask about the "Smart Hanger", an innovative system incorporating RFID tags into garment hangers themselves.

Ask about the "Automatic Garment Dispenser" that enables reliable and fast garment collection and distribution in environments where self-service and convenience are essential, such as hospitals and factories.

