



TIKOS pool laundry with chip bulk recording

The mass individual item tracking

The TIKOS pool laundry and chip bulk recording modules can read data at various workstations (regardless of whether barcode or RFID chip), **simplify work steps** and eliminate sources of error.

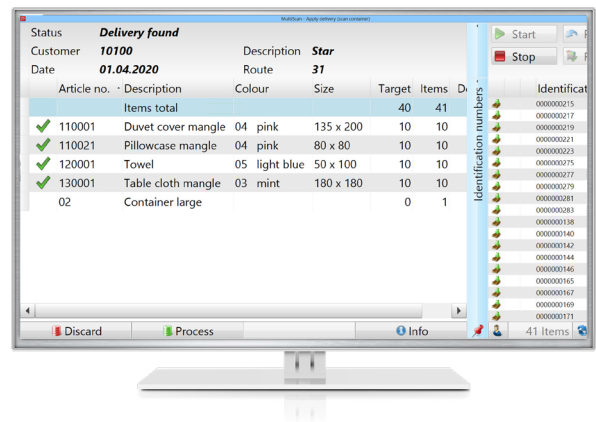
Barcode vs. RFID

The choice of the right data medium is the **basis of laundry labelling**. TIKOS allows the use of barcodes, QR codes or RFID chips - alone or in combination. RFID chips offer a further advantage in addition to unique identification, as they can be read in bulk, which means that several hundred items can be scanned at once as well as being read individually.

High reading rate and grouping into bundles

Modern RFID technology makes it possible to **read chips** in laundry items **at many points in the production process**. Due to this high reading rate, the production flow can be recorded and evaluated, as a reading can be carried out at every work station. In addition, TIKOS enables the bundling of laundry items. Individual items, such as mops, towels, sheets, etc. are read and **combined into bundles** if they are identified as unmixed and complete.

It can be set in advance whether the containers are to be bundled on the basis of the first or most frequently read parts or whether a manually defined packaging unit, e.g. defined by the customer, is to be used. At goods-out, only one chip in the so-called bundle has to be read, whereby all other laundry items in the bundle are identified as outgoing. Despite bulk reading, a very high reading rate is possible.



Status Delivery found						
Customer	10100		Description	Star		
Date	01.04.2020		Route	37		
Article no.	Description	Colour	Size	Target	Items	D
Items total				40	41	
✓ 110001	Duvet cover mangle	04 pink	135 x 200	10	10	
✓ 110021	Pillowcase mangle	04 pink	80 x 80	10	10	
✓ 120001	Towel	05 light blue	50 x 100	10	10	
✓ 130001	Table cloth mangle	03 mint	180 x 180	10	10	
02	Container large			0	1	

Identification numbers:

- 000000215
- 000000217
- 000000219
- 000000221
- 000000223
- 000000275
- 000000277
- 000000279
- 000000281
- 000000283
- 000000285
- 000000287
- 000000289
- 000000291
- 000000293
- 000000295
- 000000297
- 000000299
- 000000301
- 000000303
- 000000305
- 000000307
- 000000309
- 000000311

Event laundry

Individual item tracking also offers numerous advantages in the event laundry sector. Through the respective chip numbers, barcodes or QR codes, the current circulation status of each individual laundry item can be clearly determined. If the items are not returned by the customer on time, a day-specific rental fee can be calculated automatically or, in conjunction with the residual value management module, even the residual value can be calculated automatically.

Advantages

- Simple bulk recording
- Reading of barcode, QR code, RFID chip, the latter with table or tunnel antennas as well as container portals (gates)
- Connection of industry-standard antenna technology
- Several connection variants: RS232 (serial interface), USB, IP
- Precise tracking of individual items
- Numerous evaluations such as customer or stock levels, expiration statistics or movement histories
- Clear event laundry management
- Software-controlled improvement of the reading rate