Scanning of data using barcodes or RFID during the entire washing process.
The amount of care, technology and know-how on the THERMOTEX agenda are on display here: Follow the path the yellow t-shirt takes from arrival (bottom left) to distribution (bottom right). Whether labelling, cleaning or sorting: Every step of the way, THERMOTEX has the right system and the right product.

### A SMALL SHIRT ON A BIG TRIP

#### LAUNDRY ENTRANCE/ENTRY
- grid container, laundry trolley
- residents’ laundry bags, container hoods (inside + outside), laundry bags, laundry nets
- UHF Gate, floor antenna

#### LABELLING
- heat seal machines
- thermal transfer printing systems
- labels, emblems
- RFID technology: tags, reading systems
- software: WinTexx 4, Saturn

#### SORTING
- RFID technology: HF/UHF tags
- reading systems:
  - HF tunnel antenna
  - IN-SorTexx sorting aid (with LED display) with scanner, table antenna or panel antenna
  - ascending conveyor (HF or UHF)
- software: Saturn

#### WASHING PROCESS
- laundry trolleys
- washing, drying, industrial ironing

#### SORTING
- RFID technology: HF/UHF tags
- reading systems:
  - panel antenna: hanging or with stand
  - Paternoster lift system
  - OUT-SorTexx sorting aid (with LED display), optionally with acknowledgement
  - picking trolley (HF or UHF)
- software: Saturn

#### PLACEMENT AND REPAIRS
- RFID technology: HF/UHF tags, table antenna, hand scanner
- thermal transfer printing systems and supplies
- heat seal machines and heat seal materials

#### LAUNDRY EXIT
- grid container, laundry trolley
- residents’ laundry bags, container hoods (inside + outside), laundry bags, laundry nets
- UHF box, floor antenna
RFID TECHNOLOGY: HF

The HF tags are ideal for the fully automatic identification of textiles in laundry processes and are equipped with a unique identification number that can be read worldwide. Among other things, this number allows assignment of carrier names, number of wash cycles and washing instructions.

THERMOTEX. The Next Generation.
**Tunnel antenna with conveyor belt**
They are ideal for integration into already existing conveyor systems. The scanning of whole packages, sacks or piles of laundry saves an enormous amount of time.

**Assignment made easy**
The tags find their place in various textiles such as clothing, wiping mops or flat linen. Equipped like this, everything goes where it belongs.

**HF reading systems**
The plug-in reading systems: plug in and start. These ensure smooth, problem-free laundry sorting. The innovative reading system comprises a reader and an antenna and ensures smooth logging of laundry at the highest level.

**HF tags in three sizes**
Small, medium or large: The HF tags are all very small (7, 11 and 16 mm), extremely robust and were specially developed for use in laundries.

**Accessories**
Our accessories, e.g. attachments for tag or patch dispensers complete our range of HF technology products.
HF TAGS

TAGS: 7, 11, 16 MM IN ACCORDANCE WITH DIN ISO 15693

- for the fully automatic identification of textiles
- contactless reading
- reading: single, pile, bulk
- for patching (with patches) or
  for sew-in (woven pockets)
- suitable for industrial ironing
- resistant to industrial washing

HF I-TAGS
Ø 7 MM
Art. no. 64336

Areas of application: residents’ laundry
Reading: single
Thickness: 2.0 mm
Reading distance: up to 16 cm
Laser engraving: no

HF I-TAGS
Ø 11 MM
Art. no. 62596

Areas of application: residents’ laundry, workwear, flat linen
Reading: single, pile
Thickness: 2.4 mm
Reading distance: up to 28 cm
Laser engraving: yes
Customer-specific logo possible

HF I-TAGS
Ø 16 MM
Art. no. 64446

Areas of application: workwear, mops / dusters, flat linen, bathrobes, towels etc.
Reading: single, pile, bulk, tunnel
Thickness: 2.8 mm
Reading distance: up to 42 cm
Laser engraving: yes
Customer-specific logo possible

HF O-TAGS
Ø 16 MM
Art. no. 65112

Areas of application: workwear, mops / dusters, flat linen, bathrobes, towels etc.
Reading: single, pile, bulk, tunnel
Thickness: 3.2 mm
Reading distance: up to 42 cm
Format: lenticular (rounded, soft edges)
Laser engraving: yes
Customer-specific logo possible

FOR THE HIGHEST MECHANICAL REQUIREMENTS
HF READING SYSTEMS

Our innovative reading systems are cutting-edge and ensure optimal laundry sorting thanks to the corresponding tags. Entire packages, sacks or piles of laundry can be scanned in seconds, saving much time in the process!

HF SYSTEM TUNNEL ANTENNA
WITH CONVEYOR BELT

- ideal for integration into existing conveyor systems
- reading of whole packages, bags or piles of laundry
- great saving of time
- 100% reliability

The pictured system includes:
- tunnel antenna
- mat belt conveyor
- Long-Range reader
- antenna multiplexer
- control unit with frequency converter
- belt speed adjustable up to 13 m/min.

Areas of application

| Tag use     | 16 mm |
| Reading     | pile, recording contents of whole bags, piles of laundry and individual items |
| Tunnel external dimensions (L x W x H) | 800 x 550 x 550 mm |
| External dimensions (L x W x H) | 1.904 x 710 x 1.361 mm |
| Tunnel opening (L x W x H) | 430 x 430 mm |
| Interfaces  | Ethernet, optional: RS232, USB |

Art. no. 17858
HF READING SYSTEMS

HF-SYSTEM MID-RANGE COMPACT

Areas of application: residents’ laundry, workwear, mops/dusters, bathrobes, towels etc., for intermediate checking

Reading: single

<table>
<thead>
<tr>
<th>Tag use (in mm) and reading distance</th>
<th>0 – 3 cm</th>
<th>0 – 8 cm</th>
<th>0 – 10 cm</th>
</tr>
</thead>
</table>

Antenna dim. (L x W x H): 250 x 300 x 12 mm

Decoder dim.: integrated into antenna

Interfaces: USB HID

Art. no. 20077

The pictured system includes:
- Mid-Range reader with integrated antenna
- shielded
- especially for metal tables

HF-SYSTEM MID-RANGE TABLE

Areas of application: residents’ laundry, workwear, mops/dusters, bathrobes, towels etc.

Reading: single, pile

<table>
<thead>
<tr>
<th>Tag use (in mm) and reading distance</th>
<th>0 – 5 cm</th>
<th>0 – 15 cm</th>
<th>0 – 20 cm</th>
</tr>
</thead>
</table>

Antenna dim. (L x W x H): 250 x 300 x 12 mm

Decoder dim.: 170 x 105 x 45 mm

Interfaces: RS232, Ethernet, USB

Art. no. 18533

The pictured system includes:
- HF decoder
- HF antenna

HF-SYSTEM MID-RANGE LOOP

Areas of application: workwear, mops/dusters, bathrobes, towels etc.

Reading: single, pile

<table>
<thead>
<tr>
<th>Tag use (in mm) and reading distance</th>
<th>0 – 13 cm</th>
<th>0 – 28 cm</th>
</tr>
</thead>
</table>

Antenna dim. (L x W x H): 430 x 450 x 23 mm

Decoder dim.: 170 x 105 x 45 mm

Interfaces: RS232, Ethernet, USB

Art. no. 17027

The pictured system includes:
- also available as a table system
- HF decoder
- HF antenna
HF-SYSTEM LONG-RANGE TABLE SHIELDED

Areas of application: residents' laundry, workwear, mops/dusters, bathrobes, towels etc.

Reading: single, pile

Tag use (in mm) and reading distance:
- 0 – 14 cm
- 0 – 29 cm
- 0 – 38 cm

Antenna dim. (L x W x H): 443 x 501 x 146 mm

Decoder dim.: 420 x 200 x 120 mm

Interfaces: RS232, Ethernet, USB

Art. no. 21482

HF-SYSTEM LONG-RANGE TABLE

Areas of application: residents' laundry, workwear, mops/dusters, bathrobes, towels etc.

Reading: single, pile

Tag use (in mm) and reading distance:
- 0 – 16 cm
- 0 – 28 cm
- 0 – 42 cm

Antenna dim. (L x W x H): 430 x 450 x 25 mm

Decoder dim.: 420 x 200 x 120 mm

Interfaces: RS232, Ethernet, USB

The pictured system includes:
- HF industrial decoder
- HF antenna

Art. no. 21476

HF-SYSTEM LONG-RANGE LOOP

Areas of application: residents' laundry, workwear, mops/dusters, bathrobes, towels etc.

Reading: single, pile

Tag use (in mm) and reading distance:
- 0 – 16 cm
- 0 – 28 cm
- 0 – 42 cm

Antenna dim. (L x W x H): 430 x 450 x 23 mm

Decoder dim.: 420 x 200 x 120 mm

Interfaces: RS232, Ethernet, USB

The pictured system includes:
- HF industrial decoder
- HF antenna

Art. no. 17274
HF HAND-HELD SCANNING SYSTEM TYPE 21

Areas of application: controlled reading of individual items or on hangers

Reading: single

Tag use (in mm) and reading distance:
- Contact reading: 0 - 5 cm
- Contact reading: 0 - 10 cm

Interfaces: USB, Bluetooth

- Optional: Ethernet and RS232 possible in conjunction with a base station
- Control info via display screen

Art. no. 19333

HF-SYSTEM LONG-RANGE-PANEL

Areas of application: sorting facilities, individual reading stations

Multi-tag: compatible

Dimensions (LxWxH): 1,150 x 280 x 30 mm

Interfaces: RS232, Ethernet, USB

- for reading of hanging items in a conveyor system

The pictured system includes:
- HF industrial decoder
- HF antenna

With flexible holder

Art. no. 17275

STAND FOR LONG-RANGE-PANEL

- For ironing stations and folding robots
- The pictured system includes either:
  - Holder with 4 feet
  - Floor holder with adjustable angle

1. Stand for panel
   Art. no. 19840
2. Floor holder for Panel
   Art. no. 20145

Optional: Bluetooth base station (#22078)
RFID PICKING TROLLEY FOR HF AND UHF
THE MOBILE AND STATIONARY SOLUTION

The pictured system includes:
- Loop antenna
- Industrial decoder
- Socket strip; fourfold
- PC support
- 2 fixed and 2 steering wheels with brake, Ø125 mm rubberized

ADVANTAGES OF THE PICKING TROLLEY
- Mobility and flexibility
- Robust construction with mounting option for notebooks or all-in-one touch screen systems
- Integration of RFID reading systems in HF, UHF or as a combined solution
- Configurable and customisable to customer requirements (special construction)
- Optional: power-independent operation is possible by way of integration of UPS equipment with ACD power rack 250V / 60Ah - 300W
- Optional: a pre-configured, fan-free All-In-One touch screen system

ACCESSORIES
ATTACHMENTS FOR TAGS – PATCHES, LABELS AND WOVEN TAG POCKETS

Patches allow the tags to be attached easily using a heat seal machine.

PATCHES
- Patch standard quality
  - PO703 (100% polyester), white
- Other formats on request

LABELS
- Self-adhesive labels
- Pre-fixing allows the optimum alignment of the tag under the label before heat-sealing
- Other formats on request

Areas of application
within different steps of the process, mobile or stationary

Dim. (L x W x H)
600 x 600 x 1,400 mm

Interfaces
USB HID, USB Virtuell-Com, RS232, Ethernet

RFID HF picking trolley
Art. no. 18260

Roll length: 50 m

Quality Format Art. no.
Fixtexx 2026 84 x 23.4 mm ca. 2,000 56942
Fixtexx 2026 84 x 36.1 mm ca. 1,300 56941
Fixtexx 2041 53 x 19 mm ca. 2,300 65431

More Info

CUSTOMISED OPTION ALSO POSSIBLE
HF TECHNOLOGY: ACCESSORIES

ACCESSORIES
ATTACHMENTS FOR TAGS - PATCHES, LABELS AND WOVEN TAG POCKETS

WOVEN TAG POCKETS

<table>
<thead>
<tr>
<th>Variants</th>
<th>plain or with woven-in logo, available with or without tag already inserted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tag</td>
<td>max. 16 mm</td>
</tr>
<tr>
<td>Material</td>
<td>polyester</td>
</tr>
<tr>
<td>Dimensions (W x H)</td>
<td>24 x 40 mm (standard format)</td>
</tr>
</tbody>
</table>

Other formats and variants on request Art. no. 62218

PATCH DISPENSER AND HAFTEX PATCHES

The patch dispenser keeps your tag patches always ready to hand. The self-adhesive patches permit highly efficient work procedures when handling the tags.

<table>
<thead>
<tr>
<th>Haftex patches</th>
<th>Format</th>
<th>Art. no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000 labels per roll</td>
<td>rectangular, 35 x 35 mm</td>
<td>58034</td>
</tr>
<tr>
<td>1,000 labels per roll</td>
<td>round, Ø 50 mm</td>
<td>58434</td>
</tr>
</tbody>
</table>

Patch dispenser Art. no. 15627

CONTAINER MARKING

<table>
<thead>
<tr>
<th>Printing type</th>
<th>thermal transfer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>HF, ISO 15693, ICode SLI</td>
</tr>
<tr>
<td>Material</td>
<td>PET white, plain</td>
</tr>
<tr>
<td>Adhesive</td>
<td>permanently adhesive</td>
</tr>
<tr>
<td>Packaging</td>
<td>on a roll</td>
</tr>
<tr>
<td>Dimensions (W x H)</td>
<td>50 x 50 mm, 1 column</td>
</tr>
</tbody>
</table>

Suitable for plastic transport containers

Other formats and variants on request Art. no. 63866
CUSTOM-BUILTS

Custom-builts by THERMOTEX are tailored to the individual processes and requirements of the customer. They are ideal for integration into existing conveyor systems. Custom-builts according to your requirements.

ASCENDING CONVEYORS

☞ two systems in one: the ascending conveyor is a transportation belt for delivery to a loading system with the simultaneous logging of the laundry items
☞ the laundry item incl. tag is read by the antenna in the transport bag or separately when passing through and transferred to the next processing station
☞ the pictured system includes:
  · HF tunnel antenna
  · Mat belt conveyor with ergonomic hopper and sideguide
  · HF long-range reader
  · Switch cabinet with operating elements

ASCENDING CONVEYOR FOR FRONT LOADING WASHING MACHINE

Engineer Markus Bucher, technical director of the development department at THERMOTEX, explains: “Do you have problems with the loss of high-quality textile products? Then rely on RFID technology and make your laundry cycle transparent: We will be happy to help you. Our HF tunnel systems are available in different versions. Whether with a simple mat belt conveyor or as an ascending conveyor system with intelligent control technology, there are interesting possibilities for you to convert the existing process to your benefit. In order to meet your exact requirements, we are also happy to implement special designs.”
RFID client project: 
Iron-on station

THE PROBLEM:
The chipped laundry items should be detected quickly and accurately in the ironing-on process. This is the only way to ensure that the work process is carried out efficiently.

THE SOLUTION:
Our client now relies on the hanging UHF panel antenna in combination with the perfectly matched UHF tags. At the iron-on station, the antenna reads the chipped textiles and passes them on to the sorting system with a specific destination.

The antenna offers a high degree of flexibility in mounting and alignment in order to optimally adjust the application together with the client and his staff. The savings in time and costs are quickly noticed!

IN USE:
The UHF panel antenna can be attached to the existing iron-on modules according to the client’s wishes. After all, the antenna adapts flexibly to each customer, and not the customer to the antenna!

We would be delighted to advise you on your RFID project!
UHF reading systems

The innovative UHF reading systems from THERMOTEX are adjusted to technically and optimally meet the requirements of the various applications. Together with the corresponding tags, they ensure the identification of the textiles and optimal laundry sorting throughout the entire laundry cycle.

CONTAINER AND BULK LOGGING

The innovative UHF reading systems from THERMOTEX comprise the perfectly coordinated symbiosis of reader and antenna. Together with the corresponding tags, they ensure optimal laundry logging and tracking. This way, they contribute to the optimisation of the processes, increase your savings in terms of costs and time, and thus improve the efficiency of your company. The systems can be integrated into already existing IT systems and are also available as customer-specific solutions.

The system offers a significant advantage for bulk logging where a large quantity of chipped textiles can be identified simultaneously.

UHF tags

Due to their long range, the UHF tags are particularly suitable for container and bulk logging as well as for coverage of a room or defined area.

Tags for attachment to the containers

Tags for textiles

UHF reading systems

The innovative UHF reading systems from THERMOTEX are adjusted to technically and optimally meet the requirements of the various applications. Together with the corresponding tags, they ensure the identification of the textiles and optimal laundry sorting throughout the entire laundry cycle. We allow you precise detection rates for your UHF applications!
UHF TAG

F10 TAG

1. UNPRINTED
   plain, without optical recognition
   Art. no. 67631

2. WITH LOGO
   with multi-coloured, customer-specific logo to ensure laundry is marked as customer property
   Art. no. 67632

3. WITH EPC NUMBER
   EPC number permanently visually readable. Data matrix code readable with every smartphone
   Art. no. 67582

4. WITH LOGO AND EPC NUMBER
   EPC number permanently visually readable. Data matrix code readable with every smartphone. Customer-specific logo possible for marking of laundry as property of the customer
   Art. no. 67966

5. WITH BARCODE
   The barcode number can always be read optically and is coupled with the EPC number. Barcode readable with every smartphone
   Art. no. 67967

All tags on this page are shown in their original size.
EMBROIDERED TAGS
The tags are made of tried and tested materials and are suitable for heat sealing or sewing in. They are available in various sizes and variants and are suitable for standard or wet washing. THERMOTEX programmes and manages the number ranges, thus providing the greatest possible security for your laundry processes.

F10 TAG
- Dimensions: 58 x 18.5 mm
- Thickness: 0.5 mm, < 2.5 mm in chip area
- Areas of application: reading of workwear, flat textiles and contract textiles e.g. in goods receipt/shipping or inventory of cupboards/rooms
- Reading: bulk reading, e.g. in grid carts
- Reading distance: up to 6 m
- Use with: UHF Box, Gate, Shelf, Fix Shelf, hand-held readers, Universal
- Application: sewing in / heat sealing

F20 TAG
- Dimensions: 70 x 15 mm
- Thickness: 1 mm, < 1.7 mm in chip area

F10 TAGS ON ROLLS
- All F10 variants are available on a roll
- Particularly suitable for garment manufacturers
- Allows the automatic merging of tag and flat laundry items, for example
## OUR UHF EMBROIDERED TAG IS RESISTANT TO INDUSTRIAL WASHING PROCESSES AND CAN BE PUT THROUGH AN INDUSTRIAL IRONER!

### F11 TAG

6. Art. no. 68108

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>70 x 11 mm · thickness: 0,5 mm, 2,5 mm in chip area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Areas of application</td>
<td>reading of workwear, flat textiles and contract textiles</td>
</tr>
<tr>
<td>Reading</td>
<td>bulk reading, e.g. in grid carts</td>
</tr>
<tr>
<td>Reading distance</td>
<td>up to 6 m</td>
</tr>
<tr>
<td>Use with</td>
<td>UHF Box, Gate, Shelf, hand-held readers, Universal, Table Plus</td>
</tr>
<tr>
<td>Application</td>
<td>for sewing into the seam of a textile item</td>
</tr>
</tbody>
</table>

### F12 TAG

7. Art. no 68163

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>36 x 11 mm · thickness: 0,5 mm, 2,5 mm in chip area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Areas of application</td>
<td>reading of residents’ laundry</td>
</tr>
<tr>
<td>Reading</td>
<td>single, pile</td>
</tr>
<tr>
<td>Reading distance</td>
<td>up to 1 m</td>
</tr>
<tr>
<td>Use with</td>
<td>Shelf, hand-held readers, Table Plus</td>
</tr>
<tr>
<td>Application</td>
<td>for patching with an identification label, which can be customised with an individual name or logo</td>
</tr>
</tbody>
</table>

---

F10 with EPC number

F10 with logo and EPC number

F12 on mouth and nose protection

---

All tags on this page are shown in their original size.
UHF TAGS FOR THE MARKING OF TRANSPORT SYSTEMS

- **UHF SELF-ADHESIVE LABELS**
  - suitable for thermal transfer printing
  - adhesive: permanently adhesive
  - material: PET white, plain
  - packaging: on rolls
  - Art. no. 66982

- **ACCESSORIES: WOVEN TAG POCKETS**
  - size of the pocket: 35 x 80 mm
  - quality: taffeta
  - tube woven
  - cut in hot condition
  - for F10 & F11 tags
  - for sewing

- **UHF TAGS FOR MOUNTING**
  - robust, durable tag
  - waterproof

- **UHF CONTAINER TAG C2**
  - dimensions (L x W x H): 52 x 16 x 8.5 mm
  - max. writing/reading distance: 2 m
  - for screwing on to containers
  - Art. no 65690
  - with laser inscription and bracket Art. no 67784
  - with laser inscription and bracket for cable tie mounting Art. no 67809

- **UHF CONTAINER TAG C3**
  - dimensions (L x W x H): 95 x 35 x 8 ± 0.4 mm
  - max. writing/reading distance: 5 m
  - mounting on metal by means of rivets, screws or industrial adhesive
  - Art. no 68872
**UHF SYSTEM LONG-RANGE UNIVERSAL AND INDUSTRY SOLUTION UNIVERSAL I**

- up to 4 antennas can be connected in the standard system
- offers the possibility of room detection
- special industry solution: 4 - 8 external SAT antennas (depending on application) with the Universal i switch cabinet
- standard system consisting of:
  - UHF long-range decoder
  - 1 - 4 external SAT antennas (depending on application)
- industrial system consisting of:
  - UHF long-range decoder integrated in control box
  - 4 - 8 external SAT antennas (depending on application)

**REGISTER OF WHOLE ROOMS**

Stationary registering of chipped textiles and items is yesterday’s news. Use our long-range universal UHF system to identify entire spaces. Depending on the application, in industrial use for example, up to 8 antennas can be connected to the control cabinet.

**Areas of application**
- flexible deployable in the laundry process

**Reading**
- single, stack, bulk reading

**Tag use**
- all UHF tags

**Antenna dim. (L x W x H)**
- 130 x 130 x 39 mm

**Interfaces**
- Ethernet, USB, RS232

**Universal i**
Control box for industrial use with up to 8 antennas

**UHF SYSTEM LONG-RANGE UNIVERSAL AND INDUSTRY SOLUTION UNIVERSAL I**

**MAKE A CONSULTATION APPOINTMENT NOW!**
info@thermo-tex.de
Tel.: +49 781 9616-0

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**UHF system long-range universal 1 - 4**
- Universal 1  
  Art. no. 18546
- Universal 2  
  Art. no. 21168
- Universal 3  
  Art. no. 21169
- Universal 4  
  Art. no. 21170

**UHF system long-range universal i 4 - 8**
- Universal i 4  
  Art. no. 22312
- Universal i 5  
  Art. no. 22308
- Universal i 6  
  Art. no. 22309
- Universal i 7  
  Art. no. 22310
- Universal i 8  
  Art. no. 22311
UHF SYSTEM SHORT RANGE COMPACT
TABLE WORK STATION FOR SORTING
LAUNDRY AT THE LAUNDRY EXIT

Application: table work station in laundries, hospitals and nursing homes
Reading: single and conditional pile reading
Tag use: all UHF tags
Antenna dim. (L x W x H): 376 x 276 x 26.8 mm
Interfaces: USB HID

UHF system short range compact Art. no. 23049

MORE INFORMATION ON PAGE 11

RFID PICKING TROLLEY FOR HF AND UHF
THE MOBILE AND STATIONARY SOLUTION

Application: within different steps of the process, mobile or stationary
Dim. (L x W x H): 600 x 600 x 1,400 mm
Interfaces: USB HID, USB Virtuell-Com, RS232, Ethernet

The pictured system includes:
- Loop antenna
- Industrial decoder
- Socket strip; fourfold
- PC support
- 2 fixed and 2 steering wheels with brake, Ø125 mm rubberized

RFID UHF picking trolley Art. no. 20488

UHF-SYSTEM LONG-RANGE PANEL
FOR SORTING SYSTEMS

Application: for reading of hanging items in a conveyor system
Reading: single and bulk reading
Tag use: all UHF tags
Antenna dim. (L x W x H): 1,120 x 8 x 600 mm
Interfaces: Ethernet, USB, RS232

UHF system long-range panel Art. no. 22776
UHF SYSTEM SHELF
THE FLEXIBLE SOLUTION

With our shelf antenna, no need remains unfulfilled. Whether in the standard system or as a special construction: you will be satisfied

<table>
<thead>
<tr>
<th>Application</th>
<th>table workstation in the laundry process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>single, stack</td>
</tr>
<tr>
<td>Tag use</td>
<td>all UHF tags</td>
</tr>
<tr>
<td>Antenna dim.</td>
<td>400 x 400 x 30 mm</td>
</tr>
<tr>
<td>Interfaces</td>
<td>USB, optional: Ethernet, RS232</td>
</tr>
</tbody>
</table>

UHF system Shelf   Art. no. 22276

UHF SYSTEM FIX SHELF

flexibly deployable in the laundry process

| Reading           | single, stack                             |
| Tag use           | all UHF tags                              |
| Antenna dim.      | 340 x 330 x 20 mm                        |
| Interfaces        | USB, optional: Ethernet, RS232            |

UHF system Fix Shelf   Art. no. 21689

UHF CUSTOM-BUILTS
UHF ASCENDING CONVEYOR FOR EXAMPLE

The ascending conveyor is a transportation belt for delivery to a loading system with the simultaneous logging of laundry items. The laundry item incl. tag is read by the antenna in the transport bag or separately when passing through and transferred to the next processing station.

optional:
Light sensor barrier
for automatic start
of the conveyor belt
UHF GATE
SUITABLE FOR BULK READING

- for bulk logging of various types of laundry in grid carts (e.g. mops, bathrobes, door mats, flat textiles, work clothes, contract laundry)
- for expansive logging of a room or defined area (e.g. inventory cupboards/rooms)
- avoids losses, therefore cost savings
- for logging and tracking grid containers as well as transport equipment
- can also be applied to HF and LF technology

General data
- area of application: container scanning in goods receipt (or dispatch, with limitation)
- tag use: all UHF tags
- reading: bulk reading
- interfaces: Ethernet, USB, RS 232
- fast decoder control technology with intelligent antenna illumination ensures time-optimised logging
- high container throughput thanks to intelligent illuminated display
- suitable for europallets

Technical data
- external dim. (W x H x D): 1,500 x 2,260 x 1,900 mm
- inner dim. (W x H x D): 1,033 x 1,986 x 1,800 mm

control light for reading status
green = „counting process“ complete

FOR SCANNING AND ROLLING THROUGH

UHF Gate
Art. no. 21587
UHF BOX

The UHF Box is available with one or two pairs of doors. The doors lock during the scanning process. They can be opened again as soon as all textiles have been logged.

Are you a fan of easy solutions for optimal work processes? Then the UHF Box variant with self-opening and closing doors is perfect.

UHF BOX VARIANTS

**UHF Box**
suitable for grid containers
- external dim. (WxDxH): 1,500 x 1,000 x 2,260 mm
- inner dim. (WxDxH): 1,033 x 900 x 1,986 mm
- UHF Box with one door pair: Art. no. 21595
- UHF Box with two door pairs: Art. no. 21832

**UHF Box L**
suitable for euro-pallets
- external dim. (WxDxH): 1,500 x 1,500 x 2,260 mm
- inner dim. (WxDxH): 1,033 x 1,400 x 1,986 mm
- UHF Box with one door pair: Art. no. 21000
- UHF Box with two door pairs: Art. no. 21822

**UHF Box XL**
suitable for euro-pallets incl. pallet truck
- external dim. (WxDxH): 1,500 x 1,900 x 2,260 mm
- inner dim. (WxDxH): 1,033 x 1,800 x 1,986 mm
- UHF Box with one door pair: Art. no. 21833
- UHF Box with two door pairs: Art. no. 21834

General data:
- areas of application: detection of textiles in incoming / outgoing goods in lock operation
- tag use: F10, F11, C2, C3
- reading: bulk reading
- fast decoder control technology with intelligent antenna illumination allows time-optimised detection
- interfaces: Ethernet, USB, RS 232
- optional:
  - with automatic door drive
  - with glass insert
UHF PERSONNEL LOCK

- UHF box as a lock for targeted control of the flow of goods
- field of application: detection of textiles in incoming / outgoing goods in lock operation

UHF Personnel lock

Size L
- external dim. (W×D×H): 1.500 x 1.620 x 2.260 mm
- inner dim. (W×D×H): 1.033 x 1.400 x 1.986 mm
- Art. no. 23030

Size L+
- external dim. (W×D×H): 1.500 x 1.620 x 2.360 mm
- inner dim. (W×D×H): 1.033 x 1.400 x 2.086 mm
- Art. no. 22764

Height-adjustable on request

UHF PERSONNEL LOCK

- UHF box as a lock for targeted control of the flow of goods
- field of application: detection of textiles in incoming / outgoing goods in lock operation

UHF Personnel lock

Size L
- external dim. (W×D×H): 1.500 x 1.620 x 2.260 mm
- inner dim. (W×D×H): 1.033 x 1.400 x 1.986 mm
- Art. no. 23030

Size L+
- external dim. (W×D×H): 1.500 x 1.620 x 2.360 mm
- inner dim. (W×D×H): 1.033 x 1.400 x 2.086 mm
- Art. no. 22764

Height-adjustable on request

THE MOST ACCURATE SINGLE CONTAINER SCANNING, 500 ITEMS IN 10 SECONDS
UHF READING SYSTEMS

UHF / HF HAND-HELD READING SYSTEM
TYPE 102

- **areas of application:** intermediate checks and verification of single elements
- **reading:** single
- **tag use:** all UHF tags
- **interfaces:** USB HID

**TYP 102**  Art. no. 18862

UHF HAND-HELD READING SYSTEM
TYP 900

- **areas of application:** intermediate checks and verification of single elements
- **reading:** single
- **tag use:** all UHF tags
- **dimensions** (L x W x H): 311 x 142 x 45 mm
- **visible wirelessly**
- **interfaces:** USB, Bluetooth (in conjunction with the base station)
- **optional:** Ethernet and RS232 possible in conjunction with a base station

**TYP 900**  Art. no. 17326
Bluetooth base station  Art. no. 22078

RFID MIDDLEWARE

- **flexible interface for your RFID reading systems**
- **simple conversion of the data from RFID reading systems**

**Middleware**  Art. no. 19490
**areas of application:** mobile reading, intermediate checks and verification, inventory

**reading:** single, piles

**reading distance:** UHF: up to 9 m | Barcode: up to 90 cm

**tag use:** F10, F11, F12

**optional:** 2D barcode scanning

**dimensions** (W x H x T): 98 x 170 x 158 mm

**weight:** 445 g

**interfaces:** Bluetooth virtuell COM, Bluetooth HID

**in battery mode**

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**Bluetooth TSL 2128P**
- Art. no. 23061

**2D-Bluetooth TSL 2128P**
- Art. no. 23058

The app for quick and simple data entry. Connect your smartphone to your UHF handheld reader and you’re ready to go. The following functions are available to you with the Pro version:

- AlienTag checker
- Tag reader
- UHF tagfinder
- Barcode reader

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**Arrange a consultancy appointment straight away:**
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