

Registration tunnel

TEXLOG®

REGISTRATION TUNNEL

Flexible registration of all types of textile items in incoming and outgoing goods



The registration tunnel offers you the solution for fast bulk registration of textiles and everyday textiles, especially for incoming and outgoing goods processes. The textiles can be transported through the tunnel in a laundry trolley. After successful scanning, the textile master data is sent to a server-side administration software, where the master data can be further processed.

Intuitive application start

The registration tunnel has three light barriers, which are located at the entrances and in the middle of the registration tunnel. When users and laundry trolleys pass through the light barriers, the process is automatically started or the application moves on to the next process step.

Intelligent user guidance through light bars

In the registration tunnel, there are light strips or light bands on the ceiling in the scanning area and in the booking area. These can tell the user, independent of language, by the colour displayed and the speed of the colour gradient, where they are currently in the process and what the capture status is (for example, scan in progress, scan almost complete, scan successfully completed or scan failed).

Capture the environment

In addition to the scanned items, items in the pre-capture area and in the exit area of the capture tunnel are also optionally taken into account. The textiles detected in the outside area of the registration tunnel are deducted from the collected scan result.

Optimisation of scan results

The scan algorithm used can always run through a standardised number of scan cycles, as desired. For further optimisation of the results, several scanning cycles can also be adjusted for each pass by leaving the trolley in the scanning tunnel for further scanning cycles. The progress of the process and the number of textiles scanned can be tracked at all times via a touch display.

Interactive user guidance

Various displays indoors and outdoors as well as within the registration tunnel guide the employee specifically through the desired process, for example goods receipt, goods issue or article registration. If necessary, existing processes with inserted delivery notes can still be used by integrating a hand scanner into the process.

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TECHNICAL DATA

Product feature

- Dimensions approx. HxWxD: 2270 mm (overall height with external antennas) x 1290 mm (external width) x 3320 mm (total length with external antennas)
- Clearance height approx. 2050mm
- Total weight approx. 150 - 200 kg per segment (standard: 3 segments), equals approx. 100 kg/m²

Operating conditions

- Indoor installation
- Operating temperature range: +5°C - +45°C
- Humidity: < 95 %, non-condensing

Elektrical layout

- Protection class 1, IP 21-41
- Nominal operating voltage: 110-230 V
- Operating voltage range: -15 % to +10 %.
- Frequency: 40 Hz to 60 Hz
- Power consumption: max. 150 W

Controls

- ARM processor with real-time operating system
- Ethernet interface 100 MBit
- UHF reader (865-868 MHz) with ISO 18000 - 6C protocol
- Light barriers at the access areas and in the middle of the registration tunnel
- Coloured light bands inside the registration tunnel
- One 10" touch display for operator guidance in the operating area and booking area
- Hand scanner optional

Recorded quantity of articles

- approx. 400 articles per scan

