HF TUNNEL ANTENNA

HF antenna for textile identification in bulk on a conveyor belt

A-ST1360 TUN

Product info

- Patented, fully ISO 15693 compliant bulk reading system for industrial laundries
- Fast and reliable identification of entire laundry bags on a conveyor belt
- Highest accuracy rates also as check-out solution for stacks of textiles
- Reads entire DATAMARS HF tag family (11mm - 15mm - 22mm)
- Reads up to 100 chips in 18 sec. and up to 50 chips in 9.5 sec (T-BT1315 HT)
- Available without transportation system (A-ST1360 TUN TOP) for easy integration into existing laundry structures

Product Description

Tunnel antennas help industrial laundries to solve the difficulty posed by transponder's position when used for dynamical industrial applications on conveyor belt systems. The tunnel antenna can identify textiles in soil bags or read textiles in bulk after bags have been unloaded on belt conveyor.

Having a modular concept, the industrial RFID tunnel antenna can be easily integrated into existing laundry infrastructures. Thanks to a specific anti-collision algorithm the A-ST1360 Tunnel antenna prioritises the reading accuracy in comparison to the reading speed.

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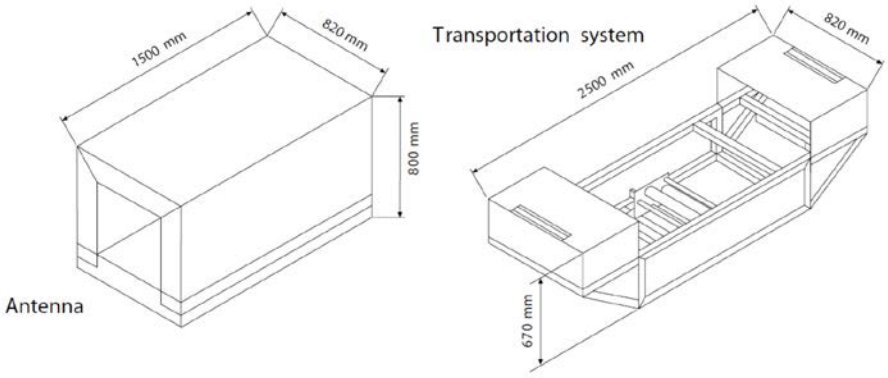
Technical data



Antenna

Dimensions (L x W x H)	External: 1500 x 820 x 800 mm; Internal: 1500 x 500 x 470 mm
Weight	150 kg
Temperature	Storage: -20°C – + 70 °C (- 4°F – +158°F) Operating: -15°C – + 60°C (- 5°F – +140°F)
Humidity	Up to 95% non-condensing
Operating frequency	13.56 MHz
Operating Power	1 - 4 W at 50 Ω
Reading speed	Up to 50 cm with Transponder T-BT1320
Power supply	Through reader R-IN1300 MC
Connection	3 coaxial cables supplied, Control cable

Transportation system (conveyor belt and cart)

Powered with 220 V AC, variable speed (up to 0.3 m/s). Electronic cabinet.	
Dimensions (L x W x H)	2500 x 820 x 670 mm
Weight	150 kg
Casing	Stainless steel

Ordering information

A-ST1360 TUN (IP) with transportation system, IP66	800 3075-221
A-ST1360 TUN TOP (IP) antenna only, IP66	800 3075-223

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