

UHF OPEN TUNNEL

UHF Tunnel for clean pack conveyor reading

S-UHF-TUNNEL-101



Product info

- Seamless integration: can be mounted on existing conveyor belt
- No laundry flow disruption: read packs on the fly without stopping conveyor belt
- Read UHF tags and singulate packs even when spacing between packs is limited
- State-of-art reading performance
- Software-based solution to filter stray reads exceptional accuracy
- Available in two sizes to match different conveyor belt widths

Product Description

Datamars UHF Open Tunnel has been designed to work on virtually any laundry conveyor belt. It's the perfect reading system to read clean pack of textiles.

As the tunnel is completely opened it doesn't interfere with the flow of textiles and its operation is transparent to the laundry process. Stray reads (unwanted reading of tags located nearby the tunnel) are filtered out by software algorithms.

The tunnel is available in two sizes: Narrow and Wide. The Narrow model will fit a conveyor with a maximum belt width of 60cm while the Wide model will work for belts from 60 to 80 cm.

The tunnel also automatically adapts to different conveyor speeds. Built from lightweight aluminium and stainless steel, it resists the harshest laundry environments.

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Technical data

Maximum External Dimensions (L x W x H)	1500 x 1200 x 1500 mm (60'' x 48'' x 60'')
Maximum Internal Dimensions (W x H)	550 x 500 mm (22'' x 20'')
Minimum Conveyor Length (packs shall be loaded before light barrier)	3000 mm (118'')
Maximum Weight (Tunnel)	Approx. 120 Kg (265 lb)
Typical Distance Between Tag Bundles*	600 mm (16'')
Typical Conveyor Speed*	15 m/min (49 fpm)
RFID Compliances	ISO/IEC 18000-6C EPC Class I Gen 2 ETSI EN 302 208 (865 – 868 MHz) FCC part 15.247 (902 – 928 MHz)
Interface	Ethernet RJ-45 connector
Default Data Format	EPC followed by CRLF (Carriage Return Line Feed) characters
Operating Voltage Range	Single phase 100-240 V AC, 50-60 Hz
Typical Power Consumption	Approx. 50 W
Operating Temperature	0°C to +40°C (32°F to +104°F), non-condensing

*Depending on the object size, density of tags, conveyor speed, etc.

Ordering information

S-UHF-TUNNEL-101-N (ETSI)	800 3075-890
S-UHF-TUNNEL-101-N (FCC)	800 3075-892
S-UHF-TUNNEL-101-W (ETSI)	800 3075-891
S-UHF-TUNNEL-101-W (FCC)	800 3075-893
S-UHF-TUNNEL-101-INSTALLKIT	-

NOTE: Tunnel designed to be installed on an existing conveyor. If a conveyor is needed, it shall be ordered separately.