

TR-CAU Conveyor Antenna



TAGSYS' TR-CAU is a high-frequency (HF) RFID Antenna designed specifically to quickly and reliably identify and track RFID-tagged garments and uniforms at the conveyor loading and sorting areas of industrial laundries.

AUTOMATIC READING AT CONVEYOR LOADING AND SORTING

TAGSYS' TR-CAU rugged design is able to withstand the harsh conditions of industrial laundries. The antenna is ISO 15693 compatible and integrates easily with existing conveyor installations and systems, allowing to rapidly and accurately process RFID-tagged garments at two levels:

- At the **conveyor loading points** (2 operations performed in one).
- At the **conveyor sorting areas** (automatic on-the-fly identification of fast moving items).

TAGSYS develops comprehensive multi-band RFID infrastructure for item-level tracking. This universal infrastructure includes purpose-built readers and tags, as well as RFID management software, all designed to work together seamlessly, at the highest performance levels, in the most demanding environments.

With a proven track record of delivering reliable RFID systems, TAGSYS has deployed over 250 million tags and 100,000 reader systems to over 500 customers in more than 40 countries.

More information on TAGSYS can be found at: www.tagsysrfid.com.



The antenna's large RFID detection surface delivers read rates close to 100% for on -the-fly sorting at a conveyor speed of 60 cm/s.

HIGH QUALITY ANTENNAS FOR CHALLENGING ENVIRONMENTS

Due to TAGSYS' extensive cross-industry experience in designing, manufacturing, and integrating complex and reliable RFID infrastructure systems, we offer high quality, competitively priced antennas adapted to a variety of industrial applications. TAGSYS' RFID antennas are available as OEM boards, packaged units and portable devices.

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TECHNICAL SPECIFICATIONS

FREQUENCY:
13.56 MHZ

PROTOCOLS SUPPORTED:
NXP ICODE 1 (C270)
ISO 15693/ISO 18000-3 Mode 1
(TAGSYS C370)
TAGSYS C210

RF OUTPUT POWER:
3.5W

READER COMPATIBILITY:
TAGSYS Medio L400
TAGSYS Medio L100 and L200
(specific cable length required)

CABLE:
2 coaxial cables of 5.25 m (17.2 ft.) each
Cable extension possible

CONNECTOR TYPE:
BNC

CERTIFICATIONS :
CE, FCC Part 15

DIMENSIONS OF INTERNAL RFID ANTENNA:
750 x 170 mm (29.5 x 6.7 in)

EXTERNAL DIMENSIONS OF PACKAGED ANTENNA:
998 x 418 x 34 mm (39.3 x 16.4 x 1.03 in)

WEIGHT:
5 Kg (11 lbs)

CASING:
Light blue plastic ABS and aluminum

INSTALLATION:
Installation tools not supplied
TAGSYS recommends a set-up on a pedestal or post (please consult us for more information).

OPERATING TEMPERATURE:
0°C to 40°C (32°F to 104°F)

OTHER SPECIFICATIONS:
To reach a near 100% read rate, we recommend a specific garment tagging method. Feasibility study on demand.

