

# TAGSYS HF RFID Tunnel 50x50



TAGSYS' 50x50 HF RFID Tunnel is the ideal solution for reliably identifying, in a few seconds only, a large number of RFID-tagged items, whether stacked, in bulk or in bags or boxes.

## THE BEST READ RATES ON THE MARKET

TAGSYS' RFID Tunnel incorporates a state-of-the-art patented 3D RFID antenna configuration linked to a powerful RFID reader to provide the best multiread performance on the market. With a guaranteed 99.95% product read rate, a universal requirement in manufacturing plants and warehouses, TAGSYS' RFID Tunnel improves operational efficiencies in shipping and receiving by automating the inventory verification process.

RFID tag data can be automatically uploaded in the local management system using TAGSYS' PLC.

The TAGSYS' RFID Tunnel is ISO 15693 compliant. It is available with or without conveyor and ideally suited for multiread applications.

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](http://www.tagsysrfid.com).



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## PRODUCT SPECIFICATIONS

### ELECTRICAL

#### **OPERATING FREQUENCY:**

13.56MHz

#### **CHIP COMPATIBILITY:**

TAGSYS C370 (NXP SLI), C370-L (NXP SLI-L)  
ISO 15693 and ISO 18000-3 Mode 1  
ICODE UID

#### **POWER SUPPLY:**

230V-50Hz or 110V-60Hz / 0.5 kW

#### **COMMUNICATION INTERFACES:**

Serial port RS232 (up to 115200 Bds), USB, Ethernet

#### **ELECTRICAL INTERFACES:**

External contact to start /stop the conveyer

#### **RFID READER:**

TAGSYS Medio L400

#### **READ RATE:**

Up to 99.95% for +50 RFID-tagged items at belt speed greater than 7m/minute

### MECHANICAL

#### **TUNNEL EXTERNAL DIMENSIONS:**

90 x 90 x 120 cm (35.5 x 35.5 x 47.2 in)

#### **TUNNEL INTERNAL DIMENSIONS:**

50 x 50 x 120 cm (19.7 x 19.7 x 47.2 in)

#### **TUNNEL WEIGHT:**

80kg (176.4 lbs)

#### **TUNNEL WEIGHT WITH CONVEYOR:**

320kg (705.5 lbs)

#### **CONVEYOR LENGTH:**

310 cm (10.2 feet)

#### **CONVEYOR BELT TYPE:**

Robust PVC belt, easy to wash

#### **BELT SPEED:**

Up to 15m per minute (50 fpm)

#### **OPERATING TEMPERATURE:**

10°C to 40°C (50° to 104°F)

#### **OTHER SPECIFICATIONS:**

- Optical sensors to trig the reading
- Stack light for 'read' signal and 'no read' alarm
- Custom automation capacities (PLC included)
- Easy integration of a label application device upon the tunnel exit

### SOFTWARE

DLLs and SDK packages for developers

User-configurable Stand Alone mode (tags ID issued automatically on serial port)

### CERTIFICATIONS

CE, UL, FCC