



# RFID Livestock Management

Wireless system for Animal Identification and Tracking Management





# Livestock

## Overview

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- ✓ IDT RFID Animal ID Tag
- ✓ Advantages of RFID Tags





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## Introduction

- ✓ Livestock management solutions aid in herd care processes optimizing productivity, helping ensure food safety and quality.
- ✓ IDTECH SOLUTIONS is a high technology enterprise which professionally engages in RFID tags and applications.
- ✓ RFID ensure consistent tag quality and reliability.
- ✓ It does not require a line-of-sight between the tag and reader, and RFID tags can be read at a distance.
- ✓ The technology improves automation, logistics and reduces labour costs.



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### What is RFID?

#### Radio Frequency Identification:

- RFID is an Automatic Data Capture technology that uses radio-frequency waves to read a movable item to identify, categorize & track.
- RFID is fast, reliable, and does not require physical line of sight or contact between reader/scanner and the RFID tagged item.





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### Why RFID for Animal tracking

- ✓Provides proof of origin
- ✓Age verification and disease control
- ✓Theft protection
- ✓Storing and updating vaccination data
- ✓Provides accurate and efficient trace back information.
- ✓Provides necessary basis for full animal movement tracking.



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### INTERNATIONAL COMMITTEE FOR ANIMAL RECORDING (ICAR)

- ✓The aim of ICAR is to promote the development and improvement of the activities of performance recording and the evaluation of farm livestock.
- ✓ICAR establishes rules and standards and specific guidelines for the purpose of identifying animals, the registration of their parentage, recording their performance and their evaluation.
- ✓ICAR has defined a procedure for testing RFID transponders with ISO standards as well as establishing conditions for the granting and use of a manufacture code.



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### Animal Bio Glass Tag

- ✓ 134.2KHz RFID LF Bio glass tube tag is an Ideal tracking instrument for cattle.
- ✓ Standard Glass Tag units are enclosed in bio-compatible glass, making them harmless to animals.
- ✓ It is pre loaded in a sterilized injector sealed in plastic ready for injection under an animal's skin.
- ✓ The Chip we use meet the International ISO11784/5 FDX-B standards and accredited by the International Committee for Animal Recording (ICAR).





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### IDS Animal ID Transponder Syringe

- ✓ RFID transponders help manage and safeguard livestock, pets, lab animals and products in the food supply chain.
- ✓ ID Tech Animal ID Transponder Syringe contains a syringe body, a hi-tag's 256 chip, six barcode stickers, a printed package and sterilization for both syringe and the chip.
- ✓ Using a unique numbered RFID tag provides a very efficient method of identifying animals and collecting data far more quickly.
- ✓ Each unique RFID tag can be linked to a database that includes that animal's specific information such as date of birth, inoculations, breeding specifics such as blood relation etc







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### IDR RFID Animal Handheld Reader



- ✓IDR RFID Reader series offers three durable and versatile RFID reader models that are ideal for companion animal veterinary practices, pet rescue shelters and low-volume manual scanning operations.
- ✓IDR Reader has the Bluetooth communication function(PT180B), by which you can transfer the information on the reader wirelessly to PC.
- ✓IDR has USB communication function(PT180U) also.
- ✓I.D TECH provides the reader's software development kit (SDK).



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## IDT RFID Animal ID Tag

•RFID Animal Ear Tag is designed and produced on the imported high-level Microchips and it can be served to read and write, and also has a unique design for data security.

•In animal raising and butchering, it can trace the animal's identification by using RFID readers together.

•Tags we use meets the international standard of ISO11784/5 FDX-R

•Tags with barcode and name are available in two types

- ✓ RFID Ear Tags
- ✓ Visual Ear Tags

•For visual purpose we can add letters, numbers or 2D codes by laser printing.





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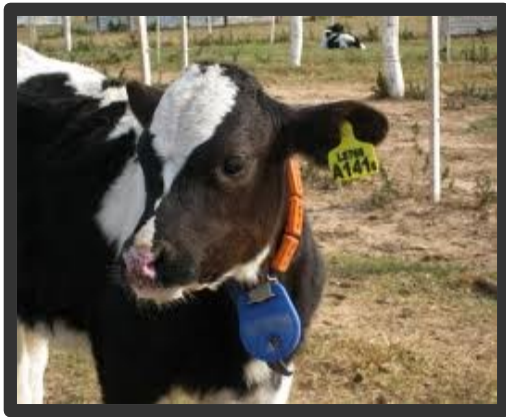
## Advantages of RFID Tags

- ✓Improvement of disease prevention.
- ✓Control and crisis management.
- ✓Strengthening of the present tracing and tracking system.
- ✓Brand protection.
- ✓consumer protection from animal-borne diseases.
- ✓Proactive rather than reactive system.



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## How Livestock RFID works?



Apply Ear Tags or implant boluses in your animal

Read RFID identification codes to track individual animals using Readers

Use the included software to integrate data seamlessly to your livestock management

# ID Tech Solutions Pvt. Ltd.

# THANK YOU

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