

## RFID Tag and Label solutions

Labels, Hard Tags, On-Metal, High Temp, System Development



[www.inotecbsl.com](http://www.inotecbsl.com)



### RFID Labels - HF & UHF

INO-TAG is the name of our flexible RFID label range, which we offer in a range of materials including: paper, polyester and polycarbonate. Our RFID labels can be supplied fully printed in full colour and encoded or blank for subsequent in-house printing and encoding, using RFID enabled thermal transfer printers.

We also convert RFID inlays into a wide range of durable, permanent and flexible RFID smart label constructions, with a choice of adhesives matched to your application. inotec RFID labels allow fast accurate automatic identification of objects without the need for contact or 'line-of-sight' scanning.

- Supplied blank or pre-printed and encoded
- Durable constructions for indoor and outdoor use
- Choice of materials and adhesives to match your application

### RFID HardTags - all frequencies

inotec offer a wide range of RFID Hard Tags in all frequencies and to suit any RFID application. Many are suitable for high temperature and on-metal applications. Our transponders are protected by a special rugged plastic casing, which makes them ideal asset identification in harsh environments, industrial and logistic processes. Hard Tags can be supplied in many formats and sizes with blank chips or fully encoded with your data. Human readable and barcode information can be added directly to the casings or by utilising our range of durable label solutions.

- All frequencies
- Wide range of formats and sizes
- High temperature and On-metal solutions

### On-Metal Solutions

inotec has for many years offered on-metal Hard Tag RFID solutions. We have now developed two new low profile, flexible, on-metal label solutions to add greater flexibility to our range. The **inotag Flex on metal Tag** has been developed to offer a very low profile (less than 2mm) with the flexibility and durability to be applied directly to metal assets, even those with uneven or difficult profiles. **inotag Flex on metal Spacer Tag** is finished with an even stronger industrial foam adhesive which gives this Tag a larger profile 4.7mm. This however also offers an increased level of durability enhancing the resistance to wash processes, heat and cold, as well as strong shearing forces, vibrations and mechanical damage.

- Pump Motors / Valves
- Roll Cages / Pallets
- Gas Cylinders / Beer Kegs / Fire Assets
- Wheel Rims / Tubes and Pipes

**HF 13.56 MHz**  
**UHF EPC Gen 2**

**Supplied blank**  
**or pre printed**  
**and encoded**

**Solutions for any**  
**application**

**High Temp and**  
**On-metal solutions**

**Wide range of**  
**formats and sizes**

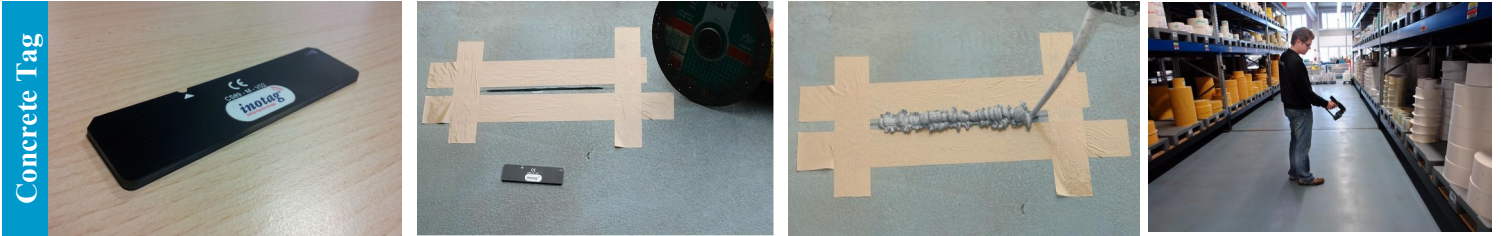


**Flexible, low profile**  
**On-metal labels**

**Ideal for difficult shaped**  
**and uneven profiles**



## CONCRETE TAG - RFID inside concrete



### Concrete Tag RFID

The inotec RFID Concrete tag system was developed to provide RFID identification and traceability in the toughest environments.

Designed for long-term use in the most aggressive heavy traffic warehouses - this innovative solution uses the high mechanical strength of the concrete to give the tag unrivalled durability.

These UHF tags can be recessed and embedded into hardened concrete or positioned in reinforcement frames as concrete is poured - embedding the tags up to 16cm below the surface.

- **Excellent read range from truck mounted scanners, walking operators with hand held devices or readers mounted on pick trolleys.**
- **Flexibility with RFID technology: the tags can be reprogrammed with new data as required, according to the customer needs: for voice key applications or changing locations.**
- **Works outdoors: Tag is completely protected from weathering, chemicals and vandalism.**
- **The tag can be remotely disabled: No restoration work is needed to the floor slab or surface when leaving site.**

### Installation

We offer full installation by our Safe Contractor certified teams. It can be done indoors and outdoors, in all types of floors (concrete, resin, asphalt, tiles ...).

A slit is formed in the slab, the tag is placed inside at 20 mm below the floor level and the recess is sealed, using a tough epoxy resin.

The resin hardens in 2 hours and finally reaches full cure after 24 hours.

### Specifications:

UHF EPC Gen2, 512 bit memory  
Format 165 x 51 x 2 mm,  
Protection IP 69, temperature range -40 ° C / +85 ° C.  
Available in 3 size formats



**Can be installed beneath painted linemarking**

**With UHF RFID**

**Resistant to heavy traffic movements**

**Up to 16cm below the surface**

**For use inside or outside**

**Weather, Chemical and Vandal Proof**

**Supplied Blank or encoded**

