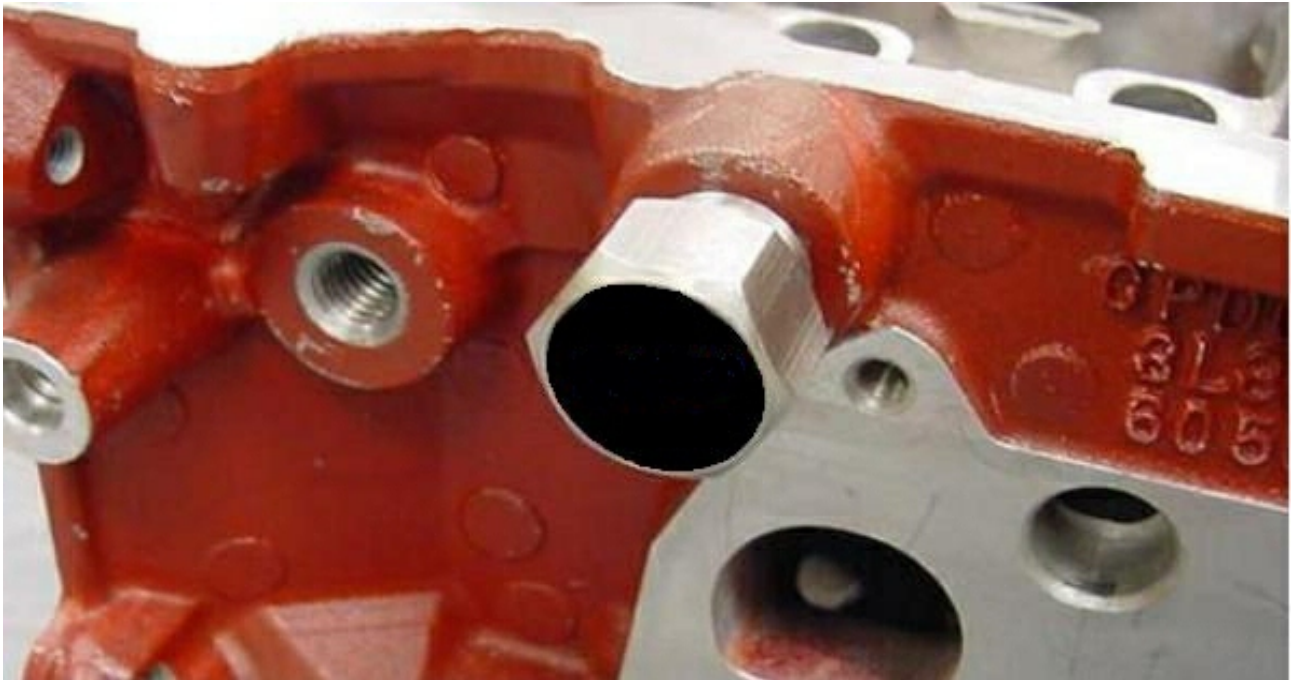


Solution Source

T-Lock UHF Passive TAG Introduction



Implement RFID technology into treasury management has substantial benefits in both cost and product value. However, traditionally RFID tag can only be applied to goods made of non-metal materials such as plastics. Now, the good news is, Teknopalas has released several solutions that enables the ability of RFID to work in metallic environment.

EmbeddingTag Technology

Most RFID on-metal tags are attached on the surface of the metallic assets by using high performance adhesive. This so-called traditional method is widely applied in this industry. However, it's not a perfect solution for most real life cases since RFIDs are susceptible to be damaged from impact of external forces and can be intentionally tampered. In order to make RFID tags more reliable, we discovered EmbeddingTag technology to prevent tampering as there is no way to remove the RFID tag without destroying the product.

Features:

- Perfectly combine with assets
- Protect RFID tags from external impacts and shocks
- Reliable in harshest environments
- More secure attachment
- More accurate



T-Lock Tag

T-Lock Tag is one of TPS tag solutions which applied EmbeddingTag technology by inserting specially designed high performance UHF RFID tag into the head of a bolt. T-Lock Tag can be screwed into assets to perfectly combine with it.

T-Lock Tag Description

Air interface protocol	EPC Class 1 Gen 2; ISO18000-6C
Memory configuration	96-EPC bits; 512-bit user memory
Operating frequency	UHF 866-868 MHz (EU)
Read Range	Up to 1.5m
Polarization	Linear
Protection class	IP68
Operating Temperature(°C & °F)	30 °C (-22 °F)---150 °C (302 °F)
Packaging Materials	Epoxy resin
Compliance	RoHS (EU version), CE (EU version)
Dimensions	
Bolt	standard sized
Thread	standard sized
Application	Industry Automotive Petrol & Chemical Industry

Notice: non-standard bolt or super high temperature application should be specially ordered.

Merkez Ofis: Yenidoğan Merve Mah. Atatürk Cad. No 314 - Sancaktepe - ISTANBUL
Tel: (+90) 216 465 94 00 / (+90) 216 465 94 01 / Faks: (+90) 216 465 94 02
WWW.teknopalas.com.tr



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