

Development of the World's First RFID Beverage Can.

Toyo Seikan Kaisha, LTD. has developed the world's first metal beverage can equipped with RFID tag. We promote RFID familiar to consumers by RFID beverage cans and PET bottles with our technology.



Product Characteristics: Antenna is Can Tab Ring

Communication is possible even if the can body is made of metal.

Conventional RFID tag cannot communicate on metal surface. But, our RFID beverage can enables the communication by designing the tab ring as an antenna and connecting it to IC chip.

Reduction of energy loss by metal

There is a little space between the lid and the tab. It reduces the energy loss.

Matching circuit for general IC chips

The IC chip connects to the tab ring. We designed the tab ring as a matching circuit for the IC chip. This enables us to manufacture the RFID cans with the conventional IC chips.

Extension of communication range

Although the conventional tab ring can be used as an antenna, we extended the communication range with the optimization of tab design.

Usability

No need to modify existing equipment

As the IC chip is set on the tab ring, the design of can body and lid will not be changed. Also beverage manufacturers can still use conventional filling and closing equipments without any modification.

Easy Handling

The RFID tags located on the cans are able to communicate easily, because the direction of them will be arranged. Therefore this can is very easy to use.

Plans for Practical Use: In our life

Recently, RFID tags emerged in the field of corporate usage, i.e. SCM and traceability. We make RFID become more familiar to consumers by the spread of RFID beverage cans and RFID PET bottles.

Toyo Seikan Kaisha LTD. and consumer product companies are making every effort to develop new applications of these RFID tag-embedded packages and its market.

Contact Us

<http://www.toyo-seikan.co.jp/e/inquiry.html>