

RFID Tags & Inlays

RFID (Radio Frequency Identification) tags or inlays are passive antennas with an attached chip that holds alpha & numerical memory.

Tapecon specializes in:

- UHF (900-920 Mhz) – read distance 6" to 20'
 Gen 2 – Read/Write

Uses of RFID (UltraHighFrequency):

To Identify and track movement of product, such as –

- Re-usable Totes & Bins
- Parking & Security Access
- Warehouse/Distribution
- Luggage – Airlines & Trains

Tapecon UHF Converting Capabilities

RFID Inlays are manufactured dry (without adhesive). As RFID expands into unique and varied applications, innovative constructions are needed to fit various performance requirements. Tapecon's long history of Custom Converting and Fabricating plays into customer needs and solutions:

- High performance adhesive laminations
- Film constructions for printing & imprinting
- Durability for harsh environments
- Laminating, Die-cutting, Printing, Insertion, Testing.

Tapecon Sourcing of RFID Tags & Inlays:

- Motorola
- Avery
- Impinj
- Other Custom Format Tag Configurations

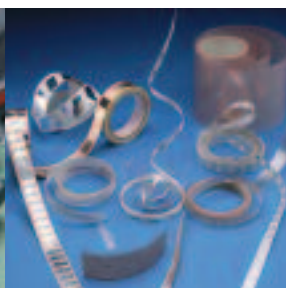
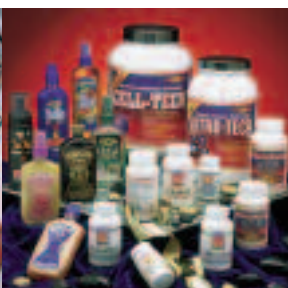
Why Tapecon?

- Over 89 years of printing & converting technology
- Over 20 years in flexible conductive circuitry
- Knowledgeable and experienced engineering staff
- Management of high or low volume projects



Source -03.06

See other side for questionnaire



RFID LABEL APPLICATION QUESTIONNAIRE

- 1.** Is this a UHF Gen 2 tag application?
- 2.** Where are the RFID read points? What is the read distance? What reading interrogation environment?
- 3.** Whose hardware & software will be used?
- 4.** Is it item level or batch tracking?
- 5.** Have any other RFID tags been tested or used?
- 6.** Who will write to the tag? Whose equipment?
- 7.** Do the RFID labels need to be furnished in rolls? If so, what direction?
- 8.** Will there be any printing or imprinting on the face?
- 9.** What will the RFID Label be applied to? What type of surface? How much space? What is the position or location?
- 10.** What is the product to be tracked? Are there considerations for liquids or metals that cause RF interference? Is there limited space?
- 11.** Are there any special conditions the RFID Label must withstand, such as washing, spray cleaning, weather, temperature extremes, or re-use?
- 12.** What is the time frame for implementation – prototype, trial run, implementation stages? What are the volumes for each stage?

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