



IBM Research

The Clipped Tag

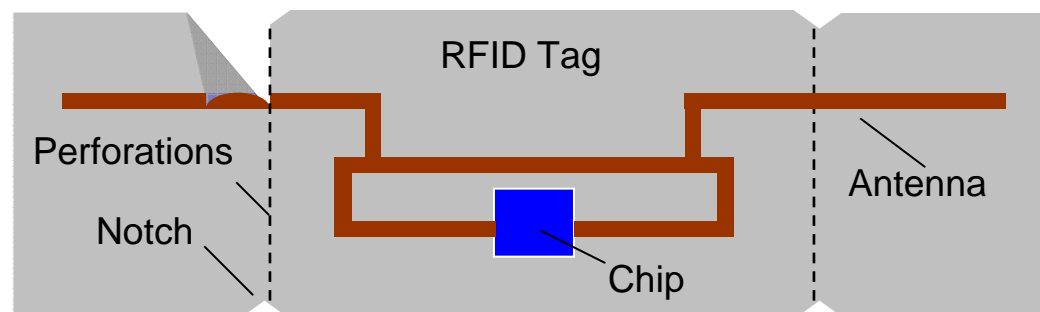
Thanks to:

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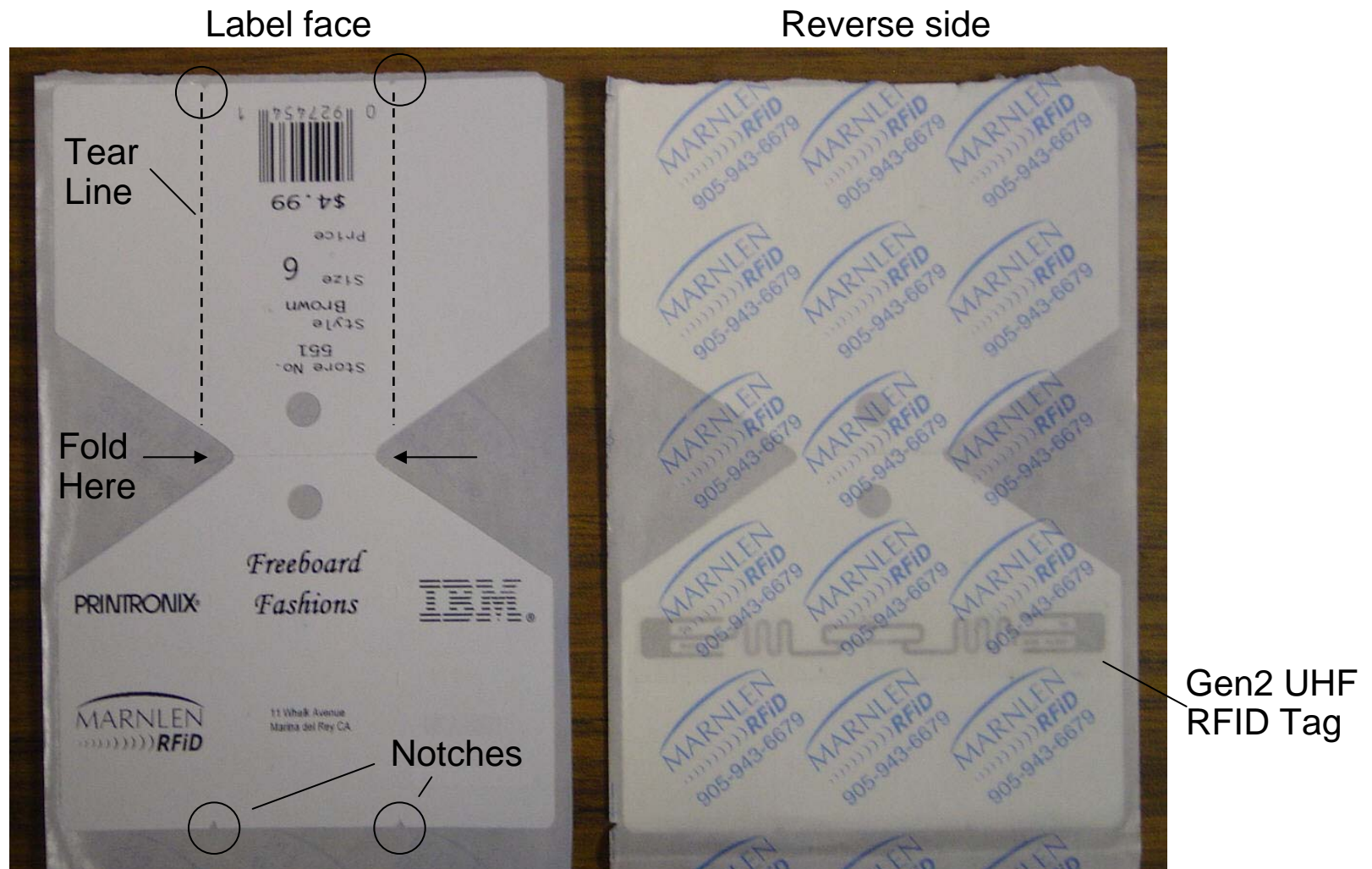
Provide **RFID tag structures** that permit a consumer to disable a tag by mechanically altering the tag to limit the readability of the RFID tag

- Adds the option of consumer choice
- Provides visual confirmation that tag has been deactivated
- May be read later if desired by close proximity, e.g. for returned items

Example: Removable Electrical Connection – Tear-off (the “ketchup packet”) for partial antenna removal



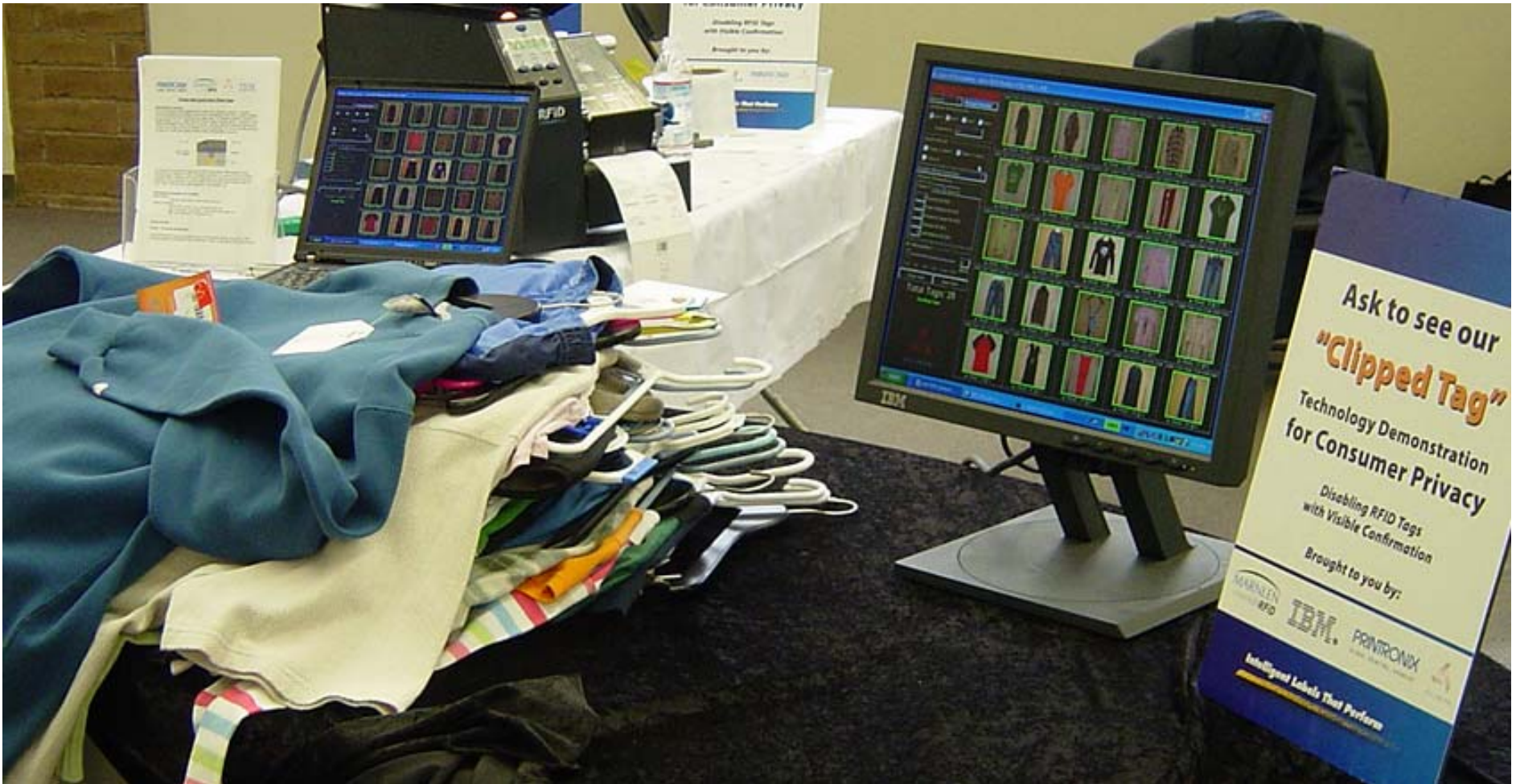
Apparel Hang Tags on Printer Roll before Folding



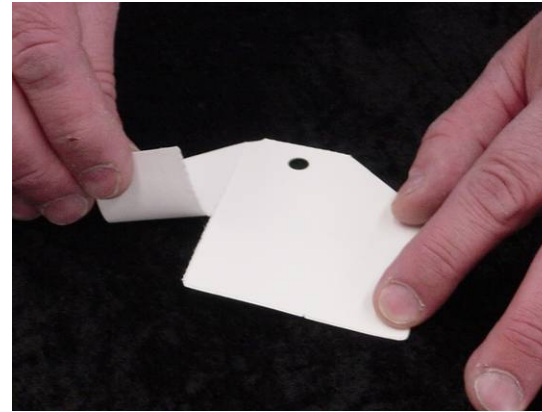


Tags are printed with graphics, and EPC numbers are written by Printronix printer. Tags are folded and applied to 25 items of apparel.





Antenna under the table is used to read 25 items for check out.



We demonstrate a read distance of 30 feet (10 meters) before tag modification, and about 1 inch (2 cm) after tag modification.

Summary

- Clipped Tag samples have been successfully designed and manufactured using standard RFID tag inlays.
- The reality of the Clipped Tag proposal has been established by IBM's work with Marnlen RFID and Printronix
 - Tags are consistent with commercially available readers and printers
 - After the point-of-sale, read range may be reduced from 30 feet to a few inches
- Provide visual confirmation that tag has been deactivated
- May be read later if desired by close proximity, e.g. for returned items